



*Nkomazi*  
*Local Municipality*

9 Park Street  
Malalane,  
1320

Tel: (013) 790 0245

Fax: (013) 790 0886

Customer Care No. (013) 790 0990

## CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL

**BID NO: NKO 25/ 2025**

**NKOMAZI LOCAL MUNICIPALITY  
PRIVATE BAG x 101  
MALELANE  
1320**

**The Municipal Manager  
Mr XT Mabila**

**TEL.: 013 – 790 0245  
FAX.: 013 – 790 0886**

**VAT Registration No: 4300102938**

**PLEASE NOTE THAT THIS DOCUMENT MUST ACCOMPANY YOUR PROPOSAL AND RELEVANT DOCUMENTATION**

<b>Name of Bidder</b>	
<b>Address</b>	
<b>Contact Numbers</b>	
<b>Telephone No. or Cell phone No.</b>	
<b>Fax No.</b>	
<b>E-mail Address</b>	
<b>Tendered Amount (VAT INC)</b>	

**CLOSING DATE: 19/06/2025**



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Private Bag X101  
Malalane,  
1320

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[www.nkomazi.gov.za](http://www.nkomazi.gov.za)

**BID NO: NKO:25/2025: CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL FOR NKOMAZI LOCAL MUNICIPALITY.**

The Nkomazi Local Municipality invites interested parties who are registered as CIDB grade 7CE and 7GB or higher for construction of sports facility in Schoemansdal. Tender documentation with complete details is available upon the payment of a non-refundable amount of **R1 635.36** on each tender document or can be downloaded for free on the e-Tender portal. Tender document(s) will be available as from **08/05/2025** and to be obtained at Nkomazi Local Municipality: Budget and Treasury office (Old Malalane Taxi Rank), 22 Impala Street from the Cashiers Desk from **07h45 to 15h30** (Monday-Friday).

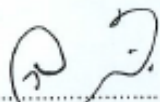
A non-compulsory tenderer briefing session will be held on **15/05/2025 at 10h00** at the Municipal Town Hall (Kobwa Hall) at Fish Eagle. Bidders are advised not to commit fraudulent activities or forgery to document. All abusers of the SCM system, including or faking of returnable documents, may be reported to SAPS and restricted from doing business with any public institution for a period not exceeding 10 years in line with section 28 and 29 of the prevention and combating of corrupt activities Act 12 of 2004.

A preferential system shall apply whereby this contract will be allocated to a bidder in accordance with the Preferential Procurement Policy Framework Act, no 5 of 2000 and as defined in the bid document, read in conjunction with the Preferential Procurement Regulation, 2022 where 80 points will be allocated in respect of price and 20 points in respect of targeted goals.

Completed bid documentation must be deposited on/before **12h00 on 19/06/2025** in the Tender Box situated at the main entrance of the municipality (Civic Centre), 9 Park Street, Malalane.

Tenders/Bids must be submitted in a sealed envelope or container on which the tender/bid number and addressee is clearly marked. No bids transmitted by fax or e-mail will be accepted. It must be noted that the municipality is not bound to accept the lowest on any other tender. Tender/bid documentation which is incomplete or filled incorrectly, not filled in the official bid documentation or which is received after the closing of the bids, will be ignored. It must also be noted the tender submitted in a wrong tender box will not be considered.

For Supply Chain enquiries contact Mr. R. Mabuza at 013 790 0386, and for technical enquiries contact Ms. Lungile Bhiya at 013 790 0145, between 07H15 – 16H00 on working weekdays.

  
Mr. XT MABILA  
MUNICIPAL MANAGER

**25.04.2025**  
Date

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DESCRIPTION		COLOUR
<b>PORTION 1: TENDER</b>		
<b>PART T1</b>	<b>TENDERING PROCEDURES</b>	
	T1.1 TENDER NOTICE AND INVITATION TO TENDER	White
	T1.2 TENDER DATA	Pink
<b>PART T2</b>	<b>RETURNABLE SCHEDULES</b>	
	T2.1: LIST OF RETURNABLE DOCUMENTS	Yellow
<b>PORTION 2: CONTRACT</b>		
<b>PART C1</b>	<b>AGREEMENTS AND CONTRACT DATA</b>	
	C1.1 FORM OF OFFER AND ACCEPTANCE	Yellow
	C1.2 CONTRACT DATA	Yellow
	C1.3 FORM OF GUARANTEE	Yellow
	C1.4 AGREEMENT WITH ADJUDICATOR	Yellow
	C1.5 OCCUPATIONAL HEALTH AND SAFETY AGREEMENT	Yellow
<b>PART C2</b>	<b>PRICING DATA</b>	
	C2.1 PRICE INSTRUCTIONS	Yellow
	C2.2 BILL OF QUANTITIES	Yellow
<b>PART C3</b>	<b>SCOPE OF WORK</b>	
	C3.1 STANDARD SPECIFICATIONS	Blue
	C3.2 PROJECT SPECIFICATIONS	Blue
	C3.3 PARTICULAR SPECIFICATIONS	Blue
<b>PART C4</b>	<b>SITE INFORMATION</b>	
	C4.1 SITE INFORMATION	Green
<b>PART C5</b>	<b>ANNEXURES</b>	
	C5.1 DRAWINGS	White
	C5.2 GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT	White

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**Bidders will be evaluated on the following administrative compliance. Therefore, the undermentioned documents must be complied with, and where an attachment is required, it should be attached.**

## **PART A**

**The following conditions must be complied with failure to adhere to any of these conditions will lead to immediate disqualification:**

- a. All pages must be submitted, and all pages that require completion must be completed in the tender document. Therefore, no page removal is allowed.
- b. Painting over rates/use of correcting fluid is not allowed.
- c. Failure to submit documents required in this tender documentation.
- d. Form of offer not filled (it should be completed in words and numbers).
- e. The bid has been submitted before the closing date and time.
- f. Initial or sign all pages of the tender documents.
- g. Certified copies of documentation must not be older than three (3) months to be regarded as valid. Copies of "certified copies" will not be accepted as true copies of original documents.
- h. All declarations and authorisation forms must be duly signed.
- i. Price amendment without initials and signature of authorised personnel in the bills of quantity is not allowed.
- j. Original certified copy of company registration certificate (CK) and all pages certified.
- k. Original certified copies of ID's all Directors/members/board members.
- l. Copy of the SARS Tax PIN or tax clearance certificate.
- m. Original certified copy of current municipal account for all addresses that appear on the CSD report (not older than 3 months and not in arrears for more than three months) or copy of valid Lease Agreement of the **business**. If the rates and taxes account are not in the names of the company, the attached municipal rates and taxes statement must be submitted together with an original affidavit from the property owner whose names are reflected on the municipal rates and taxes statement to confirm that the company operates from their property. If the business is situated in an area in which the respective municipality does not bill, attach the proof of residence issued by the municipality stating that the area in question is not billed.
- n. Original certified copies of current municipal account for all addresses that appear on the CSD report (not older than 3 months and not in arrears for more than three months) or copy of valid Lease Agreement for **all directors and/or board members** of the company. If the rates and taxes account are not in the names of the directors/members of the company, the attached municipal rates and taxes statement must be submitted together with an original affidavit from the property owner whose name is reflected on the municipal rates and taxes statement. If the directors and/or board members reside in an area where the respective municipality does not bill, attach the proof of residence issued by the municipality stating that the area in question is not billed.
- o. Signed Letter of Authority on the company letterhead
- p. CSD detailed report (printed after the tender advert and on or before tender closing date)
- q. Joint Venture Agreement (In case of a Joint Venture) must be submitted
- r. Joint Ventures must be registered on CSD as Joint Venture.
- s. Sign all applicable pages.
- t. Complete the bill of quantity.
- u. Alterations to the bid document or submission of a copy of the original bid document is not allowed.
- v. Completion of the bid document using pencil is not allowed
- w. Minimum Bank rating of code C.
- x. The bid must be submitted before the closing date and time.

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**PART B****SPECIAL DISQUALIFICATION CRITERIA**

Non-submission of the following documents will result in the bidders not being able to go to the next stage:

NO	DOCUMENT NAME	RETURNABLE / INCLUDED IN THE BID DOCUMENT (Mark)		
		Included in Bid Doc	Returnable	Required Documents from Supplier
A.	CSD Registration Report (printed after the tender advert and on or before tender closing).	Yes		Yes
B.	An Original/certified Tax Clearance or SARS Pin?	Yes		Yes
C.	Stamped Bank Rating letter not older than 3 months	No		Yes
D.	Certified copy of Company Registration (CK) (If the copy has more than one page, all pages must be certified  Copy of B-BBEE Certificate (SANAS accredited) or sworn affidavit	No		
E.	Certificate of Attendance at a Tender Site Meeting	Yes		Yes
F.	Record of Addenda to Tender Documents (If applicable)	Yes		Yes
G.	Amendments, Qualifications and Alternatives (If applicable)	Yes		Yes
H.	Authority of Signatory; Original if a copy must be certified (must be on the company letterhead)	No		Yes
I.	Copy Workmen's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Disease Act No. 130 of 1993)	No		Yes
J.	Fully Completed MBD Forms: MBD2, MBD3.1, MBD3.2, MBD4, MBD5, MBD6.1, MBD7.1, MBD7.2, MBD7.3, MBD8, MBD9	Yes		Yes
K.	Municipal Declaration And Returnable Documents	No		Yes
<b>INFORMATION REQUIRED FOR EVALUATION PURPOSES</b>				
L.	Key Personnel	Yes	Yes	Yes
M.	Qualifications and Relevant Experience of the Contracts Manager (Curriculum Vitae Format)	Yes	Yes	Yes
N.	Qualifications and Relevant Experience of the Site Agent (Curriculum Vitae Format)	Yes	Yes	Yes
O.	Relevant Experience of the Safety Officer (Curriculum Vitae Format)	Yes	Yes	Yes
P.	Relevant Experience of the Foreman (Curriculum Vitae Format)	Yes	Yes	Yes
Q.	Schedule of tendering firms experience (Similar work and environment)	Yes	Yes	Yes
R.	Provisional Programme	Yes	Yes	Yes
S.	Schedule of Plant and Equipment/Letter of Intent to Hire	Yes	Yes	Yes

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T.	Contractor/Service provider's Health & Safety Plan Declaration	Yes	Yes	Yes
U.	Certified CIDB Grading Certificate		Yes	Yes
V.	Bill of quantities	Yes		Yes

**“Acceptable bid”** means any bid which, in all respects, complies with the conditions of bid and specifications as set out in the bid documents, including conditions as specified in the Preferential Procurement Policy Framework Act (Act 5 of 2000) and related legislation as defined in this bid document, read in conjunction with the Preferential Procurement Regulation, 2022 where 80 points will be allocated in respect of price and 20 points in respect of targeted goals.

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## PART A INVITATION TO BID

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NKOMAZI LOCAL MUNICIPALITY)</b>					
BID NUMBER:	NKO: 25/2025	CLOSING DATE:	19/06/2025	CLOSING TIME:	12:00 PM
DESCRIPTION	CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL				
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).</b>					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (9 Park Street - Malalane Private Bag X101)

<b>SUPPLIER INFORMATION</b>					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
<b><u>ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?</u></b>	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		<b><u>ARE YOU A FOREIGN-BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?</u></b>		
			<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3]		
<b><u>TOTAL NUMBER OF ITEMS OFFERED</u></b>			<b><u>TOTAL BID PRICE</u></b>		<b><u>R</u></b>
<b><u>SIGNATURE OF BIDDER</u></b>	.....		<b><u>DATE</u></b>		
<b><u>CAPACITY UNDERWHICH THIS BID IS SIGNED</u></b>					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>			<b>TECHNICAL INFORMATION MAY BE DIRECTED TO:</b>		
DEPARTMENT	SCM		CONTACT PERSON	Miss Diego Diketane	
CONTACT PERSON	Richard Mabuza		TELEPHONE NUMBER	(013) 752 2357	
TELEPHONE NUMBER	(013) 790 0386		FACSIMILE NUMBER	086 556 3501	
FACSIMILE NUMBER			E-MAIL ADDRESS	diego@ecaconsult.co.za	
E-MAIL ADDRESS	richard.mabuza@nkomazi.gov.za				

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**PART B**  
**TERMS AND CONDITIONS FOR BIDDING**

**1. BID SUBMISSION:**

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR ONLINE**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

**2. TAX COMPLIANCE REQUIREMENTS**

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
- 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

**3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS**

- 3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO
- 3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO
- 3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO
- 3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO
- 3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO

**IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.**

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID. NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER: .....

CAPACITY UNDER WHICH THIS BID IS SIGNED: .....

DATE: .....

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**T1.1 TENDER SUBMISSION, TERMS AND CONDITIONS****General**

- Bids must be in South African rands, fixed price basis including VAT;
- The Nkomazi Local Municipality reserves the right to call interviews with short-listed bidder before final selection;
- The Nkomazi Local Municipality reserves the right to negotiate price with preferred bidder
- Bidders must provide details of physical address and contact numbers to enable the Nkomazi Local Municipality to assess the ability of the bidder to deliver on the submission made;
- A bidder must submit a comprehensive tender and cannot tender for portions of the scope;
- The Nkomazi Local Municipality is not compelled to accept the lowest price offer or any other tender.

**1. BID INSTRUCTIONS**

- 1.1 The tender document(s) have been drafted to ensure that essential information is furnished upon the correct completion of the document(s). Where there is insufficient space, or additional particulars are required to be furnished, such must be provided on a separate annexure, clearly indicated.
- 1.2 Tender document(s) may not be retyped or redrafted. Also, no photocopies of the original document(s) may be used.
- 1.3 Tender document(s) may be completed by mechanical devices such as typewriters; alternatively black ink must be used to fill in the document(s).
- 1.4 Tenderer must ensure that no pages are missing from the bid document(s), and that the pages of the bid are numbered consecutively. Nkomazi Local Municipality shall not be held liable with regard to claims arising from the fact that pages are missing or duplicated.
- 1.5 Firm tender prices (rates) and delivery periods are preferred, and tenders must clearly state whether prices and delivery periods will remain firm for the duration of the contract or not.
- 1.6 Tenderer must be strictly to specification. In cases where items are not to specification, deviations must be clearly indicated. It must also be noted that supplier/tenderer may quote for other items other than the one indicated on the schedule of quantity on a separate sheet, but it would not form part of items to be evaluated for.
- 1.7 Tender prices must be quoted in South African currency and in the specified units, unless the contrary is clearly indicated.
- 1.8 All the documents herewith form part of the bid and failure to comply with any part thereof may invalidate a bid.
- 1.9 Nkomazi Local Municipality may issue Briefing Notes during the briefing session which may contain amendments or information that may assist bidders in articulating their bids.

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- 1.10 Nkomazi Local Municipality require as a condition of the bid that the compulsory explanatory meeting be attended by prospective bidders. This requirement will be clearly stated in the tender advertisement as well as in the documentation.
- 1.11 Nkomazi Local Municipality requires the furnishing of a non-refundable bid deposit together with the drawing of bid documentation (if applicable). Where such a non-refundable bid deposit is requested in the bid documentation, no bid will be accepted unless such a deposit (or cash) is submitted in the form of a bank cheque payable to Nkomazi Local Municipality before submission of the bid.
- 1.12 Tenders must be submitted to the addressee before the closing time. Bids submitted after the closing time shall be considered late, and will not be admitted for consideration.
- 1.13 The contractor/Service provider shall not abandon, transfer, assign or sublet a contract or part thereof without prior written consent of the council.
- 1.14 It is an irrefutable condition of this contract that the successful tenderer will have to negotiate and conclude a service level agreement with the council.

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## **1.2 TENDER DATA**

### **1.2.1 GENERAL**

The Conditions of Tender reproduced are the Standard Conditions of Tender as contained in Annex F of SANS 294 – Construction Procurement Processes, Methods and Procedures which contain references to the Tender Data for details that apply specifically to this tender.

The Tender Data shall be read with the Standard Conditions of Tender in order to expand on the Tenderer's obligations and the Employer's undertakings in administering the tender process in respect of the project under consideration.

The Tender Data contained hereafter shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of Tender Data given below is cross-referenced to the relevant clause in the standard Conditions of Tender.

### **1.2.2 TENDER DATA APPLICABLE TO THIS TENDER**

**F.1.1** The Employer for this Contract is: **NKOMAZI LOCAL MUNICIPALITY**

#### **F.1.2 Tender Documents**

(a) **The Tender Document** consists of the following:

#### **TENDER**

**T1: Tendering Procedures**

T1.1: Tender Notice and Invitation to Tender

T1.2: Tender Data

**T2: Returnable Documents**

T2.1: List of Returnable Documents

T2.2: Returnable schedules and forms

#### **CONTRACT**

**Part 1: Agreements and Contract Data**

C1.1: Form of Offer and Acceptance

C1.2: Contract Data

**Part 2: Pricing Data**

C2.1: Pricing Instructions

C2.2: Bill of Quantities

**Part 3: Scope of Work**

C3: Scope of Work

**Part 4: Site Information**

C4: Site information

The Tender Document shall be obtained from the Employer or his authorized representative at the physical addresses stated in the Tender Notice, upon payment of the deposit stated in the Tender Notice.

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#### F.1.4 The Employer's Agent is:

Name : **ECA Consulting (Pty) LTD**  
Address : Unit 201, 29 Marloth Street, Mbombela 1200  
Telephone : 013 752 2357  
Fax : 086 556 3501  
E-Mail : [diego@ecaconsult.co.za](mailto:diego@ecaconsult.co.za) [mbombela@ecaconsult.co.za](mailto:mbombela@ecaconsult.co.za)

#### F.1.5 The Employer's right to accept or reject any tender offer

The Employer is not obliged to accept the lowest or any tender offer.

#### F.2.1 Eligibility

A Tenderer will not be eligible to submit a tender if:

- a) The contractor submitting the tender must be registered with the CIDB in at least a Seven (7) Civil Engineering Works (7CE) and Seven (7) General Buildings (7GB) category for Civil and Building works, and must have a proven track record. In other words, both 7CE and 7GB registrations are required to submit a tender.
- b) the contractor submitting the tender is under restrictions or has principals who are under restriction to participate in the Employer's procurement due to corrupt or fraudulent practices;
- c) the Tenderer does not have the legal capacity to enter into the contract;
- d) the contractor submitting the tender is insolvent, in receivership, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of the foregoing;
- e) The Tenderer does not comply with the legal requirements stated in the Employer's procurement policy;
- f) The Tenderer who cannot demonstrate that he possesses the necessary technical qualifications and competencies, financial resources, equipment and other physical facilities, managerial capability, personnel, experience and reputation to perform the contract; or

**TENDERERS TO TAKE PARTICULAR NOTICE OF THIS CLAUSE AS TENDERERS WHO DO NOT COMPLY HEREWITH WILL NOT BE CONSIDERED ELIGIBLE.**

- g) The Tenderer who cannot provide proof that he is in good standing with respect to duties, taxes, levies and contributions required in terms of legislation applicable to the work in the contract.

#### F.2.7 Site visit and clarification meeting

The arrangements for the compulsory site inspection visit and clarification meeting are as follows:

**Location:** Municipal Town Hall, MALELANE (Kobwa Hall) at Fish Eagle

**Date :** 15 May 2025

**Starting time:** 10: 00AM

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## **F.2.12 Alternative tenders**

If a Tenderer wishes to submit an alternative tender offer, the only criteria permitted for such an alternative tender offer are:

### **(a) Individual items**

Individual items offered as alternatives to items in the Bill of Quantities will only be considered if listed and priced in Form G: *Amendments, Qualifications and Alternatives* in Part 2 of the Contract Document, accompanied by a detailed statement as necessary.

### **(b) Alternative designs**

Where a Tenderer desires to submit an alternative tender involving modifications to the design or method of construction that would alter the character of the tender, the following procedure must be observed:

- (i) The alternative offer must be accompanied by supporting information, drawings, calculations and a priced alternative Bill of Quantities to enable its technical acceptability, construction time and price to be fully assessed. Such information, drawings and Bill of Quantities must be sufficient for the proper evaluation of the tendered alternative, otherwise the offer will not be considered;
- (ii) Any alternative tender involving modifications to the design will be assessed on its merits and may be accepted. An accepted alternative design will become the design for the purpose of the contract.
- (iii) If an alternative design with its priced Bill of Quantities has been accepted, the sum thus tendered for the alternative will not be subject to re-measurement and will be the final amount payable to the Contractor, except only for variations arising from:
  - Changes in design parameters ordered by the Engineer;
  - Changes not arising from any failure or fault of the Contractor, but from modifications requested by the Engineer.
- (iv) A decision whether or not to adopt a technically acceptable modified design will be governed by the amount of the overall saving and the advantages to the Employer which the modified design can be reliably expected to achieve. Matters to be considered in arriving at the overall saving will include the effect of any deferment in starting date arising from extra time needed for the preparation of an amended contract for signature.
- (v) The priced alternative Bill of Quantities must include an amount equal to 5% of the amount tendered therein to cover the Employer's costs of checking the alternative design offered.

## **F.2.13 Submitting a Tender Offer**

### **F.2.13.5** Tender offers shall be submitted as an original only.

Under no circumstances whatsoever may the tender forms be retyped or redrafted. Photocopies of the original tender documentation may be used, but an original signature must appear on such photocopies.

### **F.2.13.6** A two-envelope procedure will not be followed.

## **F.2.15 Closing Time**

The closing time for submission of Tender Offers is as per the Tender Bulletin. Telephonic, telegraphic, facsimile, telex, electronic or e-mailed tenders will **not** be accepted.

## **F.2.16 Tender Validity**

All tenders shall remain valid for a period of ninety (90) days after the time and date set for the opening of tenders, or until the Tenderer is relieved of this obligation by the Employer, in writing, at an earlier date. However, the Tenderer may be requested in writing, not later than fourteen (14) days before this validity period will lapse, to extend the validity of this tender for a specific period. The written approval of the Tenderer must then be received before the lapsing of the original validity period, in order to remain valid.

Should a Tenderer –

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- Withdraw his tender during the period of its validity; or
- give notice of his inability to execute the contract or fail to execute the contract; or
- fail to sign the contract agreement or furnish the required security within the period fixed in the Contract Data or any extended time agreed to by the Employer;

then he shall be liable for and pay to the Employer –

- all expenses incurred in calling for fresh tenders, if it should be necessary;
- the difference between his tender and any less favourable tender accepted either by fresh tenders being called or by another tender being accepted from those already received;
- any escalation of the final contract price resulting from any delay caused in calling for fresh tenders:

Provided always that the Employer may exempt a Tenderer from the provisions hereof, if it is of the opinion that the circumstances justify such exemption.

#### **F.2.19 Access**

Access shall be provided for inspections and testing by personnel acting on behalf of the Employer.

#### **F.2.22 Return of Tender Documents**

Not applicable.

#### **F.2.23 Certificates**

The following certified certificates must be provided with the tender (Compulsory):

- Joint Venture Agreement and Power of Attorney in case of Joint Ventures;
- Workman's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993);
- Company/CC/Trust/Partnership registration certificates; and
- Certified Copies of Identity Document of company owner/directors.

**F.3.5** The two-envelope system **will not** apply to this tender.

#### **F.3.11 Evaluation of Tender Offers**

The Nkomazi Local Municipality has adopted a policy in the legislation applicable to procurement of tenders and management of Construction Contracts. To achieve the Government's community empowerment policies, an environment conducive to emerging and SMME's Contractors has to be created. Therefor the procurement policy adopted by Nkomazi Local municipality will be implemented in this contract to give effect to Section 217(2) of the Constitution and as published in Government Gazette no 16085, dated 23 November 1994.

**F.3.11.2** Tenders will be evaluated in a single stage in accordance with the standard tender evaluation Method 2: Financial Offer and preference:

##### **STAGE 1: TEST FOR RESPONSIVENESS/ELIGIBILITY**

In order for a tender to be considered responsive, it must comply with **ALL** of the following criteria:

- a) The tender documentation must be completed and signed in all respects;
- b) The Contractor must have the required CIDB grading;
- c) The tender documentation must include all necessary and applicable documentation as listed in F.2.23 above; and
- d) The tender must comply with the eligibility criteria noted in F.2.1.

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The following standard terms and conditions of bid have been accepted and laid down by the Council of Nkomazi Local Municipality and are applicable to all bids, contracts and orders, unless otherwise directed by the Council prior to the invitation of bids.

## 1. GENERAL DIRECTIVES

### 1.1. Formal contracts

Formal contracts shall only be concluded with bidders where this requirement is stated in the bid documents. In the absence of a formal contract, the duly completed and signed bid accepted by a letter of acceptance by Nkomazi Local Municipality and signed by both parties, shall be the contract between the parties, and this shall include the tender document.

### 1.2. Expenses

Unless otherwise indicated in the bid documents, Nkomazi Local Municipality shall not be liable for any expenses incurred in the preparation or submission of any bid.

### 1.3. Briefing Notes

Nkomazi Local Municipality may issue Briefing Notes from time to time during the bid submission phase so that prospective bidders will timeously be made aware of any and all information that might assist them in articulating their bids.

Briefing Notes will be sequentially numbered to facilitate easy reference.

### 1.4. Governing laws

Laws of the Republic of South Africa shall govern contracts arising from the acceptance of bids.

### 1.5. Site inspections and explanatory meetings

1.5.1 Nkomazi Local Municipality may require the attendance of a Compulsory site inspection or explanatory meeting. Where this is a condition of bid, bidders must attend the site inspection or explanatory meeting in order to submit a valid bid. Failure to attend or coming late for the said meeting will result in the bid being non-compliant.

1.5.2 Particulars of the place and time of the site inspection or explanatory meeting will be indicated in the advertisement and the bid documentation.

1.5.3 Minutes will be taken of all information disclosed during the site inspection or explanatory meeting, and copies of these minutes will be made available on request to all interested parties that attended the relevant inspection or meeting.

1.5.4 Where the attendance of the site inspection or explanatory meeting is an absolute requirement to the bid, bidders must be required to certify that they attended the site meeting or explanatory meeting and that they are fully aware of the scope of the bid.

## 2. INVITATIONS TO TENDER/BID

### 2.1. Service Provider Database

Nkomazi Local Municipality may issue invitations to bid for specific supplies or services to service providers listed on the Nkomazi Local Municipality service provider database.

Without derogating from the above, Nkomazi Local Municipality reserves the right to go to open bid for the obtainment of supplies or services.

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Requests for listing on the service provider database of Nkomazi Local Municipality will be issued from time to time in the local media.

## **2.2. Documents to be used**

2.2.1 Bids must make use of the prescribed bid documents, and supply all necessary and required information called for therein.

2.2.2 Failure of a bidder to submit a bid duly signed in black ink, or to provide all required documentation or to complete bid documentation and certificates in all respects, may invalidate the bid.

2.2.3 Bidders should not qualify their bids by their own conditions, and such bidders run the risk of having their bid declared invalid.

2.2.4 Nkomazi Local Municipality may request the furnishing of a non-refundable bid deposit together with the submission of bids. This is to defray in part the cost of non-responsive bids, and to prevent nuisance bids being submitted.

## **3. Samples**

3.1.1. Prospective bidders may be charged for samples provided to them by Nkomazi Local Municipality. Failure to do so may render the bid invalid. Nkomazi Local Municipality shall not be liable for any cost involved in the supply of samples by a tenderer/ bidder;

3.1.2. Where samples are called for in the bid documents, samples must be clearly marked with the bid numbers, item number and name of the bidder. Samples must reach the designated address for the submission of bids no later than the closing time;

3.1.3. Nkomazi Local Municipality may accept goods offered on loan for trial purposes, but is under no obligation to purchase the loaned goods, or any similar goods, and Nkomazi Local Municipality accepts no responsibility in the event of breakage of damage, or for the depreciation of depreciable goods.

## **4. Closing of tenders/bids**

4.1. Bids close at 12:00 AM on the closing date as indicated in the bid documents.

4.2. Extension of the closing date may be granted in certain circumstances where such extension is justified. Any extension will however be published before the original closing date or can be communicated during briefing session.

4.3. Tenders/bids shall be considered late if they are received at the address indicated in the bid documents after the closing time on the closing date. A late bid shall not be admitted for consideration, and where practicable, shall be returned unopened to the bidder.

## **5. Submission of tenders/bids**

5.1. Tender/bid documents must be deposited in the bid box at the address indicated in the bid documentation, failing which at a clearly indicated alternative site (where applicable).

5.2. Tenders/bids must be deposited in a sealed envelope or container, which envelope or container must clearly indicate the bid number and description of bid (where applicable).

5.3. Tenders/bids must be submitted in English.

5.4. Tenders/bids received by facsimile, telegram, telex, e-mail or other similar media will not be accepted as validly submitted bids (where applicable).

5.5. Only original tenders/bids or photocopies of the original documentation which is submitted in the prescribed manner may be accepted as valid bids.

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5.6. All tenders/bids received prior to the closing date shall be kept in safe custody until the closing time of bids.

## 6. Opening of tenders/bids

6.1. Tenders/bids will be opened in public (where applicable) as soon as practicable after the closing time.

6.2. Tenders/bids will be given a registration mark and a list of bids received will be placed on record.

## 7. Validity periods

The period for which bids are to remain valid and binding shall be indicated in the bid documents. The validity period is calculated from the closing time and will continue until the close of business on the last day of the period, and where this day falls on a Saturday, Sunday or public holiday, the bid will remain valid and binding until the close of business on the following business day.

## 8. Tender/bid prices and delivery periods

8.1. Firm tender/bid prices and delivery periods are preferred.

8.2. "Firm" prices are deemed to be prices which, are only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of any tax, levy or duty, which in terms of a law or regulation is binding on the bidder and will demonstrably have an influence on the prices of supplies or on the cost of rendering services.

8.3. "Non-firm" prices are deemed to be all prices which are not "firm."

8.4. Where non-firm prices are offered, Nkomazi Local Municipality may require the submission of proof regarding labour and material costs, or other factors which are specified by the bidder, and should these costs be seen to be unrealistic, it may negatively affect the consideration of the bid.

8.5. Where applicable, the value of certificates (payment) issued in terms of the contract, shall be increased or decreased by applying a "contract price adjustment factor" calculated according to the formula and the conditions set out in the Contract Price Adjustment Schedule referring to the General Conditions of Contract for works of engineering construction.

8.6. Expressions relating to the delivery of supplies or services which are unspecified such as "soonest" or "earliest" etc. are not acceptable. Where it has not been indicated whether prices or delivery periods are firm or not, bided prices and delivery periods shall be deemed to be firm and the contractor shall be bound thereby.

## 3. CONSIDERATION OF TENDER/BIDS

3.1. All bids validly submitted will be taken into consideration. Each tender/bid will be reviewed and evaluated for its ability to deliver the specific requirements of the bid in line with set criteria of paragraph 3.3.

3.2. Nkomazi Local Municipality is under no obligation to accept any tender/bid, or to accept the lowest tender/bid.

3.3. All tenders/bids will be reviewed and evaluated in accordance with the following criteria:

- General Information supplied by the bidder
- Compliance with bid requirements
- Pricing
- Technical Evaluation
- Preferential Procurement points

3.4. Nkomazi Local Municipality may elect to invite verbal presentations from bidders for clarification of the content of their bids.

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- 3.5. Nkomazi Local Municipality may, where a bid relates to more than one item, accept such tender/bid in respect of any specific item or items, and may also accept part of the specified quantity of any specific item or items.
- 3.6. Any decision by Nkomazi Local Municipality shall be final and Nkomazi Local Municipality shall only on request provide reasons for the acceptance or passing over of a bid.
- 3.7. Where a bid has been granted on the strength of information furnished by the bidder, which later proves to be incorrect, Nkomazi Local Municipality may, in addition to any other remedy it may have, recover all costs and damages suffered or sustained by Nkomazi Local Municipality as a result of the award of the bid from the bidder, and/or cancel the agreement and claim damages from the bidder.
- 3.8. Nkomazi Local Municipality will award a preference to bids in accordance with the Preference Certificate in the form of BBBEE status level certificate [T 5].
- 3.9. In the event of equal bids, the following order of priority will normally be applied in the consideration of equal bids:

#### **Evaluation of bids that scored equal points**

- 3.9.1. In the event that two or more bids have scored equal total points, the successful bid must be the one that scored the highest points for BBBEE,
  - 3.9.2. IF two or more bids have equal points, including equal preference points for BBBEE, the successful bid must be the one scoring the highest score for functionality if functionality is part of the evaluation process,
  - 3.9.3. In the event that two or more bids are equal in all respects, the award must be decided by the drawing of lots
- 1.1. Successful bidders will be notified in writing of the acceptance of their bids.

## **4. TERMS AND CONDITIONS**

### **4.1 Information provided**

Nkomazi Local Municipality provides the bid documentation or any other information, in good faith. Any party or parties considering entering into a contract with Nkomazi Local Municipality on the basis of such information should conduct their own investigations and obtain the necessary professional advice and council, at their cost, necessary to formulate their own opinion regarding all matters related to the bid. Nkomazi Local Municipality cannot be held liable for any costs or damages flowing from a failure to do so by any bidder.

### **4.2 Legal and regulatory framework**

- 4.2.1. All bids must function and be implemented within the general legal and regulatory framework relating to the supply or service, and requires compliance with all law by any bidder.
- 4.3.2. The onus is on the bidder to ensure compliance of its bid as well as during the implementation of the bid with the applicable legal and regulatory requirements, and Nkomazi Local Municipality reserves the right to reject any bid on the basis of non-compliance by the bidder with the applicable legal and regulatory framework.
- 4.4.3. Where relevant Nkomazi Local Municipality may request the Respondent to submit proof of compliance with any aspect of the legal and regulatory framework.

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#### 4.3 No representations or warranties

All information contained in or provided as part of the bid documentation is offered in good faith and for the guidance of bidders. Nkomazi Local Municipality does not make any representation (express or implied), or provide any warranty as to the accuracy, completeness or correctness of bid documentation. Nkomazi Local Municipality shall not be liable for any claim for loss or damage to any bidder arising from any error, misstatement or omission contained in the bid documentation or any reliance thereon.

#### 4.4 Declaration of interest

In order to prevent allegations of favouritism or nepotism in the procurement process, bidders must complete the Declaration of Interest & Interest in the State. (T4)

#### 4.5 Reservation of rights

- 4.5.1. Nkomazi Local Municipality reserves the right to consider all possible options during the evaluation of bids. This includes the right not to proceed with the bid, suspend or temporarily defer the bid, or not to award the bid to any bidder. No liability shall attach to Nkomazi Local Municipality in the exercising of any of these rights.
- 4.5.2. If Nkomazi Local Municipality elects not to award the bid to any bidder, it may at its sole discretion, solicit bids in such manner as it may deem necessary in its absolute and sole discretion.
- 4.5.3. Copyright of all documents, data, designs, electronic aids, programmes etc. forming part of the bid documentation or developed by Nkomazi Local Municipality, shall remain to vest in Nkomazi Local Municipality.

#### 4.6. Queries relating to the bid

- 4.6.1. Any queries relating to a bid or any process should be addressed in writing (registered mail, facsimile or e-mail), marked for the attention to:

**The person and address stated in the bid documentation**

- 4.6.2. Queries will be responded to in writing, and the written query and response may be distributed to all prospective bidders who have collected the bid documentation. The names of bidders raising queries will not be made known.

#### 4.7. Information to be provided by bidders

The onus is on the bidder to ensure that all requirements contained in the bid documentation are complied with and all information requested from the bidder is supplied.

#### 4.8. Independent submission

By submitting a bid, each bidder certifies that –

- 4.8.1. Its bid has been submitted independently, without consultation, communication or agreement for restricting competition, with any other bidder or to any other competitor; and
- 4.8.2. No attempt has been made or will be made by the bidder to induce any other person or firm to submit a bid for the purpose of restricting competition.

#### 4.9. Sole property of Nkomazi Local Municipality

- 4.9.1. All materials, information and data submitted by bidders shall become the sole property of Nkomazi Local Municipality, with the exception of –

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4.9.1.1. Confidential financial statements of the bidder; and

4.9.1.2. Copyright material, trade secrets or other proprietary information clearly identified as such by the bidder.

#### **4.10. Confidentiality**

4.10.1. Nkomazi Local Municipality undertakes to keep confidential all information received from any bidder which is clearly identified as confidential in the bid and which is not already public knowledge or available in the public domain or in the hands of Nkomazi Local Municipality or required to be disclosed by legal or regulatory requirements, and the bidder accordingly indemnifies Nkomazi Local Municipality against any claim or liability for its refusal to disclose the relevant information/data to any person seeking access thereto. Failure to honour such indemnity shall be deemed to be a waiver by the bidder of its right to exemption from disclosure and shall Nkomazi Local Municipality be authorised to provide a copy of the relevant information/data or any part thereof to the requester.

4.10.2. Information disclosed by Nkomazi Local Municipality is deemed as confidential and it is expected that bidders treat it as such. This includes all information which is not public knowledge or available in the public domain or required to be disclosed by legal or regulatory requirements. Bidders will be held liable for non-compliance in this regard.

4.10.3. No information of bidder shall be made available to another bidder or any person unless requested by the court of law. Bidder can be allowed to request to see his/her bid document or to seek clarity of his/her failure, but not to have access to other bidder's information.

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## PART T2: RETURNABLE SCHEDULES

### T2.1: LIST OF RETURNABLE DOCUMENTS

DOCUMENT REF	DESCRIPTION	ACTION
A.	CSD Registration Report	Attach
B.	Certified Tax Clearance Certificate and SARS Pin	Complete/Attach
C.	Stamped Bank Rating letter not older than 3 months	Complete/Attach
D.	1. Certified copy of Company Registration (CK) (If the copy has more than one page, all pages must be certified. 2. Copy of B-BBEE Certificate (SANAS accredited) or sworn affidavit	Attach
E.	Certificate of Attendance at a Tender Site Meeting	Complete
F.	Record of Addenda to Tender Documents (If applicable)	Complete
G.	Amendments, Qualifications and Alternatives (If applicable)	Attach
H.	Authority of Signatory; Original if a copy must be certified (must be on the company letterhead)	Complete/Attach
I.	Copy Workmen's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Disease Act No. 130 of 1993)	Attach
J.	Fully Completed MBD Forms: MBD3.1, MBD3.2, MBD4, MBD5, MBD6.1, MBD7.1, MBD7.2, MBD7.3, MBD8, MBD9	Complete
K.	Municipal Declaration And Returnable Documents	Complete
L.	Key Personnel	Complete/Attach
M.	Qualifications and Relevant Experience of the Contracts Manager (Curriculum Vitae Format)	Complete/Attach
N.	Qualifications and Relevant Experience of the Site Agent (Curriculum Vitae Format)	Complete/Attach
O.	Relevant Experience of the Safety Officer (Curriculum Vitae Format)	Complete/Attach
P.	Relevant Experience of the Foreman (Curriculum Vitae Format)	Complete/Attach
Q.	Schedule of tendering firms experience (Similar work and environment)	Complete/Attach
R.	Provisional Programme	Complete/Attach
S.	Schedule of Plant and Equipment/Letter of Intent to Hire	Complete/Attach
T.	Contractor/Service provider's Health & Safety Plan Declaration	Complete
U.	Certified CIDB Grading Certificate	Complete/Attach

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## **A CENTRAL SUPPLIER DATABASE REGISTRATION NUMBER**

### **IMPORTANT NOTES:**

All tenderers must comply with the Preferential Procurement Regulations 2001 promulgated with the Preferential Policy Framework Act No 5 of 2000:

- 1. Kindly provide your Central Supplier Database Registration Number**

.....

- 2. Attach to this page a valid Central Supplier Database Report not older than 30 days.**

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## **B: PROOF OF TAX COMPLIANCE STATUS AND A VALID SARS PIN**

### **IMPORTANT NOTES:**

1. The following is an abstract from the Preferential Procurement Regulations 2001 promulgated with the Preferential Policy Framework Act No 5 of 2000:

#### **"Valid Tax clearance certificate / Central Supplier Database Registration Number**

No contract may be awarded to a person who has failed to submit an original Tax Clearance Certificate from the South African Revenue Service ("SARS") certifying the taxes of that person to be in order or that suitable arrangement have been made with SARS."

2. The ST 5.1 form, Application for Tax Clearance Certificate (in respect of tenders), must be **completed by the tenderer in every detail and submitted to the Receiver of Revenue** where the tenderer is registered for income tax purposes. The Receiver of Revenue will then furnish the tenderer with a Tax Clearance Certificate that will be valid for 6 months from date of issue.

Each party to a Consortium/Joint Venture/Sub-contractors must complete a separate Tax Clearance Certificate.

### **TAX CLEARANCE CERTIFICATE / SARS PIN**

*[Tax Clearance Certificate obtained/ PIN from SARS to be attached to this page]*

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### C: BANK RATING AND CONFIRMATION OF BANKING DETAILS

Tenderers financial capacity to finance and undertake a contract of this nature will also be checked and consequently it is a requirement that the details below be provided.

NAME OF TENDERER					
NAME OF ACCOUNT HOLDER AT BANK					
TYPE OF ACCOUNT (Please tick)	CURRENT/CHEQUE	<input type="checkbox"/>	SAVINGS	<input type="checkbox"/>	TRANSMISSION
BANK					
BRANCH NAME					
ACCOUNT NUMBER					
BRANCH CODE					
BANK RANKING CODE					
BANK TELEPHONE NO					
BANK ADDRESS					
NAME OF BANK MANAGER					
TELEPHONE NUMBER					
FAX NUMBER					
NO OF YEARS ABOVE ACCOUNT HAS BEEN WITH BANK					
CREDIT FACILITIES AVAILABLE (State Amount)					

**NB! Attach to this page a stamped bank rating letter not older than 3 months.**

SIGNATURE: .....  
(of person authorised to sign on behalf of the Tenderer)

DATE: .....

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## **D: REGISTRATION CERTIFICATES OF AN ENTITY (CIPC AND BBBEE)**

### **1. ENTITY REGISTRATION:**

Tenderer to note that the registration certificates are to be attached to this page.

### **2. BBBEE CERTIFICATION:**

The Tenderer must attach hereto a certified copy of their B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS).

For these tenders that are submitting a Joint Venture tender submission, a consolidated BBBEE certificates must be submitted as individual certificates or they will not be accepted for securing preferential procurement points.

SIGNATURE: .....  
(of person authorised to sign on behalf of the Tenderer)

DATE: .....

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## E: CERTIFICATE OF ATTENDANCE AT CLARIFICATION MEETING

This is to certify that (*Tenderer*) .....

of (*address*).....

..... was represented by the person(s) named below at the compulsory meeting held for all tenderers on TBA

We acknowledge that the purpose of the meeting was to acquaint myself / ourselves with the site of the works and / or matters incidental to doing the work specified in the tender documents in order for me / us to take account of everything necessary when compiling our rates and prices included in the tender.

### Particulars of person(s) attending the meeting:

Name: ..... Signature: .....

Capacity: .....

Name: ..... Signature: .....

Capacity: .....

**Attendance of the above person(s) at the meeting is confirmed by the Employer's representative, namely:**

Name: ..... Signature: .....

Capacity: .....

***NB! Failure to submit an original complete and signed certificate of attendance will lead to disqualification.***

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**F: RECORD OF ADDENDA TO TENDER DOCUMENTS**

We confirm that the following communications received from the Employer before the date of submission of this tender offer, amending the tender documents, have been taken into account in this tender offer.

ADD. No.	DATE	TITLE OR DETAILS
1		
2		
3		
4		
5		

SIGNATURE: .....  
(of person authorised to sign on behalf of the Tenderer)

DATE: .....

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## G: AMENDMENTS, QUALIFICATIONS AND ALTERNATIVES

*(This is not an invitation for amendments, deviations or alternatives but should the Tenderer desire to make any departures from the provisions of this contract he shall set out his proposals clearly hereunder. The Employer will not consider any amendment, alternative offers or discounts unless forms (a), (b) and (c) have been completed to the satisfaction of the Employer).*

I / We herewith propose the amendments, alternatives and discounts as set out in the tables below:

### (a) AMENDMENTS

PAGE, CLAUSE OR ITEM NO	PROPOSED AMENDMENT

**Notes:** (1) Amendments to the General and Special Conditions of Contract are not acceptable;

(2) The Tenderer must give full details of all the financial implications of the amendments and qualifications in a covering letter attached to his tender.

### (b) ALTERNATIVES

PROPOSED ALTERNATIVE	DESCRIPTION OF ALTERNATIVE

Notes: (1) Individual alternative items that do not justify an alternative tender, and an alternative offer for time for completion should be listed here.

(2) In the case of a major alternative to any part of the work, a separate Bill of Quantities, programme, etc, and a detailed statement setting out the salient features of the proposed alternatives must accompany the tender.

(3) Alternative tenders involving technical modifications to the design of the works and methods of construction shall be treated separately from the main tender offer.

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(c) DISCOUNTS

ITEM ON WHICH DISCOUNT IS OFFERED	DESCRIPTION OF DISCOUNT OFFERED

**Note:** The tenderer must give full details of the discounts offered in a covering letter attached to his tender, failing which, the offer will be prejudiced

SIGNATURE: .....  
(of person authorised to sign on behalf of the Tenderer)

DATE: .....

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## H: CERTIFICATE OF AUTHORITY FOR SIGNATURE OF AN ENTITY

Indicate the status of the tenderer by ticking the appropriate box hereunder. The tenderer must complete the certificate set out below for the relevant category.

(I) Company	(II) Close Corporation	(III) Partnership	(IV) Joint Venture	(V) Sole Proprietor

### (I) CERTIFICATE FOR COMPANY

I ....., chairperson of the Board of Directors of  
....., hereby confirm by resolution of the Board (copy  
attached) taken on ..... 20....., that

Mr/Ms ....., acting in the capacity of  
....., was authorised to sign all documents in  
connection with this tender and any contract resulting from it on behalf of the company.

**Signature of Chairman:** .....

**Signature of Signatory:** .....

### As Witnesses:

1..... Name in Block Letters.....

2..... Name in Block Letters.....

**Date:** .....

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**(II) CERTIFICATE FOR CLOSE CORPORATION**

We, the undersigned, being the key members in the business trading as  
.....hereby authorise Mr/Ms .....  
acting in the capacity of ....., to sign all documents  
in connection with the tender for Contract No ..... and any contract resulting from it on our  
behalf.

**Signature of Signatory:** .....

**As Witnesses:**

1..... Name in Block Letters.....

2..... Name in Block Letters.....

**Date:** .....

NAME	ADDRESS	SIGNATURE	DATE
	.....		
	.....		
	.....		
	.....		

**Note:** *This certificate is to be completed and signed by all of the key members upon whom rests the direction of the affairs of the Close Corporation as a whole.*

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**(III) CERTIFICATE FOR PARTNERSHIP**

We, the undersigned, being the key partners in the business trading as,

.....hereby authorise

Mr/Ms..... acting in the capacity of

....., to sign all documents in connection

with the tender for Contract No ..... and any contract resulting from it on our behalf.

**Signature of Signatory:** .....

**As Witnesses:**

1..... Name in Block Letters.....

2..... Name in Block Letters.....

**Date:** .....

NAME	ADDRESS	SIGNATURE	DATE

**Note:** *This certificate is to be completed and signed by all of the key partners upon who rests the direction of the affairs of the Partnership as a whole.*

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#### (IV) CERTIFICATE FOR JOINT VENTURE

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize

Mr/Ms....., authorized signatory of the company,

.....acting in the capacity of lead partner, to sign all documents in

connection with the tender offer for Contract No .....and any contract resulting from it on our behalf.

This authorization is evidenced by the attached power of attorney signed by legally authorized signatories of all the partners to the Joint Venture.

**Signature of Signatory:** .....

**As Witnesses:**

1..... Name in Block Letters.....

2..... Name in Block Letters.....

**Date:** .....

NAME OF FIRM	ADDRESS	AUTHORISING SIGNATURE, NAME AND CAPACITY
Lead partner		

**Note:** *This certificate is to be completed and signed by all of the key partners upon who rests the direction of the affairs of the Partnership as a whole.*

**NB!** Please attach to this page the joint venture agreement that constitutes the forming of the Joint Venture together with the Joint Venture roles and responsibilities and financial inputs/duties: This Joint Venture agreement is to be fully signed by each companies managing directors and witnesses.

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**(V) CERTIFICATE FOR SOLE PROPRIETOR**

I....., hereby confirm that I am the sole owner of the  
Business trading as:

**Signature of Sole owner:** .....

**As Witnesses:**

1..... Name in Block Letters.....

2..... Name in Block Letters.....

**Date:** .....

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**I: WORKMENS' COMPENSATION REGISTRATION CERTIFICATE (OR PROOF OF PAYMENT OF CONTRIBUTIONS IN TERMS OF THE COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT NO. 130 OF 1993)**

*[Certified Copy of the Certificate or Proof of Payment thereof obtained from the Workmen's Compensation Commissioner to be inserted here]*

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**J: RETURNABLE SCHEDULE REQUIRED ONLY FOR TENDER EVALUATION PURPOSES, FORMS (MBD Forms)**

MBD3.1:	Pricing Schedule-Firm prices
MBD3.2:	Pricing Schedule-Non-firm prices
MBD4:	Declaration of Interest
MBD5:	Declaration for procurement above R10m (all applicable taxes included)
MBD6.1:	Preference Points claim form in terms of the preferential procurement regulations 2011
MBD7.1:	Contract form-purchase of goods/works
MBD7.2:	Contract Form-rendering of services
MBD7.3:	Contract Form-Sale of Goods/Works
MBD8:	Declaration of bidder's past Supply Chain Management Practices
MBD9:	Certificate of Independent bid determination

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**PRICING SCHEDULE – FIRM PRICES  
(PURCHASES)**

**NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED**

**IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT**

Name of Bidder.....	Bid Number.....
Closing Time .....	Closing Date .....

OFFER TO BE VALID FOR.....DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
----------	----------	-------------	--

Required by: .....

- At: .....

.....

Brand and Model .....

Country of Origin .....

- Does the offer comply with the specification(s)? \*YES/NO

If not to specification, indicate deviation(s) .....

Period required for delivery .....

\*Delivery: Firm/Not firm

Delivery basis .....

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

\*\* "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

\*Delete if not applicable

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**PRICING SCHEDULE – NON-FIRM PRICES  
(PURCHASES)**

**NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.**

**IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT**

Name of Bidder.....	Bid number.....
Closing Time .....	Closing Date .....

OFFER TO BE VALID FOR.....DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCUDED)
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Required by: .....

- At: .....

Brand and model .....

Country of origin .....

- Does the offer comply with the specification(s)? \*YES/NO

If not to specification, indicate deviation(s) .....

Period required for delivery .....

- Delivery: \*Firm/Not firm

\*\* "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

\*Delete if not applicable

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## PRICE ADJUSTMENTS

### A NON-FIRM PRICES SUBJECT TO ESCALATION

IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES

IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1 - V)Pt \left( D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{R4t}{R4o} \right) + VPt$$

Where:

Pa	=	The new escalated price to be calculated.
(1-V) Pt	=	85% of the original bid price. Note that Pt must always be the original bid price and not an escalated price.
D1, D2..	=	Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1,D2...etc. must add up to 100%.
R1t, R2t.....	=	Index figure obtained from new index (depends on the number of factors used).
R1o, R2o	=	Index figure at time of bidding.
VPt	=	15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

The following index/indices must be used to calculate your bid price:

Index...(D1)..... Dated..... Index... (D3)..... Dated..... Index..... Dated.....

Index...(D2)..... Dated..... Index...(D4)..... Dated..... Index..... Dated.....

FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	PERCENTAGE OF BID PRICE
D1 = a = Labour	0.2
D2 = b = Contractor's equipment	0.35
D3 = c = Material	0.35
D4 = d = Fuel	0.1

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**B PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS**

Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE

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# DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state:
2. Any person or having kinship with a person in the service of state, or persons who act on behalf of Nkomazi Local Municipality, including a blood relationship, may make an offer or offers in terms of this bid invitation. In view of possible allegations of favouritism or bias, should the resulting bid, or part thereof, be awarded to persons employed by State, or to persons who act on behalf of Nkomazi Local Municipality, or to persons connected with or related to them, it is required that the bidder or his authorised representative shall declare any interest of whatever nature and/or relationship (including blood relationship) to any employees, or persons who act on behalf of, or persons connected with or related to Nkomazi Local Municipality.

3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid:

3.1. Full Name of the bidder or his representative: .....

3.2. Identify Number: .....

3.3. Position occupied in the Company (director, trustee shareholder):

.....

3.4. Company Reference Number: .....

3.5. Tax Reference Number: .....

3.6. VAT Registration Number: .....

3.7. The names of all directors'/trustees'/ shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.

YES/NO

3.8. Are you presently in the service of the state?

3.8.1 If yes, furnish particulars: .....

.....

❖ MSCM Regulations: "in the service of the state" means to be-

(a) A member of-

- (i) Any municipal council
- (ii) Any provincial legislature, or
- (iii) The national Assembly or the national council of provinces
- (b) A member of the board of directors of any municipal entity;
- (c) An official of any municipality or municipal entity;
- (d) An employee of any national or provincial department, national or provincial public entity or constitutional institution

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- within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (e) A member of the accounting authority of any national or provincial public entity; or
- (f) An employee of parliament or a provincial legislature

❖ Shareholder means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

3.9. Have you been in the service of the state for the past twelve months?

YES/NO

If yes, furnish particulars: .....

.....

3.10. Do you, have any relationship (family, friend, other) with a person employed by state/Nkomazi Local municipality, who may be involved in the evaluation and adjudication of this bid?

\*YES / NO

3.10.1 If yes, furnish particulars:

.....

.....

3.11. Are you, aware of any relationship (family, friend, other) between the bidder and any person employed by state/Nkomazi Local Municipality, who may be involved in the evaluation and adjudication of this bid?

\*YES / NO

3.11.1 If yes, furnish particulars:

.....

.....

3.12. Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in the service of state?

YES/NO

3.12.1 If yes, furnish particulars.

.....

.....

3.13. Are any spouses, child or parent of the company's directors trustees, managers, principle shareholders or stakeholders in service of state?

YES/NO

13.13.1 If yes, furnish particulars.

.....

.....

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13.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract.

13.14.1 If yes, furnish particulars.

YES/NO

.....  
.....

4. Full details of directors. Trustees/ members/ shareholders.

Full Name	Position filled in the “State”	ID number	State number	employee

.....  
Signature

.....  
Bid Number

.....  
Date

.....  
Capacity

.....  
Name of the Company

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**DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (ALL APPLICABLE TAXES INCLUDED)**

For all procurement expected to exceed R10 million (all applicable taxes included), bidders must complete the following questionnaire:

Are you by law required to prepare annual financial?  
statements for auditing?

\*YES / NO

If yes, submit audited annual financial statements for the  
past three years or since the date of establishment if  
established during the past three years.

\*YES / NO

.....

.....

Do you have any outstanding undisputed commitments for?  
municipal services towards any municipality for more than  
three months or any other service provider in respect of  
which payment is overdue for more than 30 days?

If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards any  
municipality for more than three months or other service provider in respect of which payment is overdue for more than  
30 days.

If yes, provide particulars.

.....

.....

.....

.....

\* Delete if not applicable

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Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?

\*YES / NO

If yes, furnish particulars

.....

.....

Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?

\*YES / NO

If yes, furnish particulars

.....

.....

#### CERTIFICATION

I, THE UNDERSIGNED (NAME) .....

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature Date

.....  
Position Name of Bidder

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## PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

**NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022**

### 1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
  - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).
- 1.2 **To**
- a) The applicable preference point system for this tender is the 80/20 preference point system.
- 1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
- (a) Price; and
  - (b) Specific Goals.

- 1.4 The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10
<b>Total points for Price and SPECIFIC GOALS</b>	<b>100</b>

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 Nkomazi Local Municipality reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by Nkomazi Local Municipality.

### 2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“The Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

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### 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

#### 3.1. POINTS AWARDED FOR PRICE

##### 3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

**80/20**                      or                      **90/10**

$$Ps = 80 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right) \text{ or } Ps = 90 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

#### 3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

##### 3.2.1.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

**80/20**                      or                      **90/10**

$$Ps = 80 \left( 1 + \frac{Pt - P_{max}}{P_{max}} \right) \text{ or } Ps = 90 \left( 1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

#### POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

(a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or

(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

- Table 1: Specific goals for the tender and points claimed are indicated per the table below.
- Note to organs of state: where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.
- Note to tenderers: the tenderer must indicate how they claim points for each preference point system.)

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### POINTS FOR CONTRACTING AN ENTERPRISE OWNED BY HISTORICALLY DISADVANTAGED PERSONS OR INDIVIDUALS

A total of 4 preference points shall be allocated on a proportional or pro rata basis for contracting an enterprise owned by historically disadvantaged persons or individuals who meet the following requirements -

HISTORICALLY DISADVANTAGED PERSONS OR INDIVIDUALS	POINTS ALLOCATION	SOURCE DOCUMENTS REQUIRED TO CLAIM POINTS
100% black person or people owned enterprise	1	A copy of a <b>Full CSD report</b> not older than 3 months
More than 30% woman or women shareholding or owned enterprise	1	
more than 30% youth shareholding or owned enterprise	1	
More than 30% people living with disability shareholding or owned enterprise	1	A copy of a Medical Certificate to confirm disability

### POINTS FOR IMPLEMENTING OF RDP PROGRAMMES

A total of 6 preference points shall be allocated on a proportional or pro rata basis for implementing of programmes for RDP -

Enterprises regarded as *EMEs located within the Ehlanzeni District Municipality area of jurisdiction	1	<p>➤ A copy of a Full CSD report not older than 3 months</p> <p>NB: Points will only be awarded if the CSD physical address is the same as the address for the proof of residence required in 1.9 above.</p>
Enterprise who will sub-contract minimum of 30% of the contract value to EMEs in the ward or local communities where the services of work to be rendered will be undertaken;	1	<p>➤ Joint venture requirements as per the tender document and all relevant legislations pertaining to joint ventures</p>
Points for Corporate Social Investment (CSI) or Social Labour Plan proposition	3	<p>Comprehensive Methodology on how the tenderer is planning to invest back to the community of Nkomazi Local Municipality:</p> <ul style="list-style-type: none"> <li>• Community development grounded on the principles of empowerment, social justice, collective action to mention but a few.</li> <li>• These undertakings shall form part of the service level agreements SLA and be managed as such.</li> </ul>
Points for valid B-BBEE level 1 contribution (SANAS accredited B-BBEE certificate for	1	<p>➤ Certified Valid BBBEE certificate</p> <p>➤ or Certified Valid EME and SME a sworn</p>

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generic enterprise, and for EME and SME a sworn affidavit or CIPC issued certificate confirming annual turnover and level of Black Ownership).		affidavit ➤ or Certified Valid CIPC issued certificate confirming annual turnover and level of Black Ownership
<b>MAXIMUM SCORE</b>	<b>10</b>	

\*All certified copies must not be older than three months.

**TENDERER'S MUST SCORE A MINIMUM OF 70 POINTS IN ORDER FOR THE BID TO BE ELIGIBLE IN TERMS OF F.2.1 (f).**

**TECHNICAL EVALUATION CRITERIA**

KEY ASPECT OF CRITERION	BASIS FOR POINT ALLOCATION	POINTS AWARDED	MAX SCORE	VERIFICATION METHOD
<b>COMPANY EXPERIENCES IN CIVIL ENGINEERING AND GENERAL BUILDING PTOJECTS</b> (Name of traceable reference, contract details to be included for verification).  <b>(Returnable Document Q)</b>	The Contractor must have completed civil engineering projects and general building projects over R40m in value that within the past 10 years. Points scored for number of projects:			
	<ul style="list-style-type: none"><li>The Contractor have successfully completed at least 5 civil engineering projects and 5 general building projects with a value of R 30 million to R 40 million and above.</li></ul>	50	50	Attach appointment letters, completion certificates (Photos Optional)
	<ul style="list-style-type: none"><li>The Contractor have successfully completed at least 5 civil engineering projects and 5 general building projects with a value of R 20 million to R 30 million.</li></ul>	30		
	<ul style="list-style-type: none"><li>The Contractor have successfully completed at least 5 civil engineering projects and 5 general building projects with a value of R 10 million to R 20 million.</li></ul>	10		
	<ul style="list-style-type: none"><li>No evidence of experience in projects.</li></ul>	0	0	No appointment letters and completion certificates.
Key Personnel:  <b>CONTRACT'S MANAGER</b> Qualifications and experience of Contract Manag. in Civil E. <b>(Returnable Document M)</b>	Contract's Manager: Must have the following years of appropriate post qualification experience:			Attach recent CV & certified copies of Civil qualifications and LIC NQF 5 qualification.
	<ul style="list-style-type: none"><li>BTech / BEng / BScEng degree in Civil Engineering</li></ul>	5	15	
	<ul style="list-style-type: none"><li>NQF 5 (Labour Intensive) Qualification</li></ul>	5		
	<ul style="list-style-type: none"><li>10 years' experience or more.</li></ul>	5		
	<ul style="list-style-type: none"><li>No submission of supporting documents</li></ul>	0	0	
Key Personnel: <b>SITE AGENT / SITE MANAGER</b> Qualifications and experience of	Site Agent / Site Manager: Must have the following years of appropriate post qualification experience:			Attach recent CV & certified copies of Civil qualifications
	<ul style="list-style-type: none"><li>National Diploma in civil Engineering.</li></ul>	6	10	Not meeting
	<ul style="list-style-type: none"><li>5 years' experience or more.</li></ul>	4		

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Construction Site manager / full-time site agent in Civil Engineering Projects and General Building Projects. <b>(Returnable Document N)</b>	<ul style="list-style-type: none"> <li>No submission of supporting documents</li> </ul>	0		min. or no supporting doc. submitted.
---	---	---	--	---------------------------------------

Key Personnel: <b>REGISTERED HEALTH AND SAFETY OFFICER</b> Certified relevant safety qualification with construction experience <b>(Returnable Document O)</b>	Registered Health and Safety officer with relevant safety qualification with construction experience			Attach recent CV & certified copies of qualifications
	<ul style="list-style-type: none"> <li>Registered professional</li> </ul>	3	5	
	<ul style="list-style-type: none"> <li>Two years' experience or more.</li> </ul>	2		
	<ul style="list-style-type: none"> <li>No submission of supporting documents</li> </ul>	0	0	Not meeting min. or no supporting doc. submitted.
<b>BANK RATING</b> Financial Capability / Resources of Contractor  <b>(Returnable Document C)</b>	Rating A & B	10	10	Bank Rating obtained for this tender value.
	Rating C	6		
	Rating D and lower	0	0	Not meeting min. rating of "C disqualification"
<b>LOCALITY</b> <b>(Returnable Document K)</b>	Contractor located within the District	6	10	
	Contractor located within the province of Mpumalanga	4		
	Contractor not located within the province of Mpumalanga	0		
			<b>100</b>	

## STAGE 2: FINANCIAL OFFER AND PREFERENCES

All tenders that meet the stage 1 criteria for responsiveness will progress through to the evaluation phase as set out in this tender document.

### F.3.11.4 Points scored for price (Contract Value less than R 50 000 000)

The 90/10 preference point system will be used to allocate points for tenders in this category.

**It is estimated that tenders on this contract will be evaluated on the 90/10 preference point system.**

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**1. DECLARATION WITH REGARD TO COMPANY/FIRM**

1.1 Name of company/firm:.....

1.2 VAT registration number:.....

1.3 Company registration number:.....

**1.4 TYPE OF COMPANY/ FIRM**

☐ Partnership/Joint Venture / Consortium

☐ One person business/sole propriety

☐ Close corporation

☐ Company

☐ (Pty) Limited

[Tick applicable box]

**1.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES**

.....  
.....  
.....

**1.6 COMPANY CLASSIFICATION**

☐ Manufacturer

☐ Supplier

☐ Professional service provider

☐ Other service providers, e.g. transporter, etc.

[Tick applicable box]

1.7 Total number of years the company/firm has been in business:.....

1.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

a) disqualify the person from the bidding process;

b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;

c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;

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- d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
- e) forward the matter for criminal prosecution.

#### WITNESSES

.....

.....

.....  
SIGNATURE(S) OF BIDDERS(S)

DATE: .....

ADDRESS .....

.....

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

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**CONTRACT FORM - PURCHASE OF GOODS/WORKS**

**THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL BIDDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL BIDDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.**

**PART 1 (TO BE FILLED IN BY THE BIDDER)**

1. I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents to (name of institution)..... in accordance with the requirements and specifications stipulated in bid number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the purchaser during the validity period indicated and calculated from the closing time of bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
  - (i) Bidding documents, viz
    - Invitation to bid;
    - Tax clearance certificate;
    - Pricing schedule(s);
    - Technical Specification(s);
    - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
    - Declaration of interest;
    - Declaration of bidder's past SCM practices;
    - Certificate of Independent Bid Determination;
    - Special Conditions of Contract;
  - (ii) General Conditions of Contract; and
  - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT) .....

CAPACITY .....

SIGNATURE .....

NAME OF FIRM .....

DATE .....

**WITNESSES**

1 .....

2. ....

DATE: .....

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**CONTRACT FORM - PURCHASE OF GOODS/WORKS****PART 2 (TO BE FILLED IN BY THE PURCHASER)**

1. I..... in my capacity as..... accept your bid under reference number .....dated.....for the supply of goods/works indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating delivery instructions is forthcoming.
3. I undertake to make payment for the goods/works delivered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice accompanied by the delivery note.

ITEM NO.	PRICE (ALL APPLICABLE TAXES INCLUDED)	BRAND	DELIVERY PERIOD	B-BBEE LEVEL STATUS OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorized to sign this contract.

SIGNED AT .....ON.....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

WITNESSES

.....

.....

DATE: .....

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

### CONTRACT FORM - RENDERING OF SERVICES

**THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.**

#### PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

- I hereby undertake to render services described in the attached bidding documents to (name of the institution)..... in accordance with the requirements and task directives/proposals specifications stipulated in Bid Number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.
- The following documents shall be deemed to form and be read and construed as part of this agreement:
- Bidding documents, viz
    - Invitation to bid;
    - Proof of tax compliance status;
    - Pricing schedule(s);
    - Filled in task directive/proposal;
    - Preference claim form for Preferential Procurement in terms of the Preferential Procurement Regulations;
    - Declaration of interest;
    - Declaration of Bidder's past SCM practices;
    - Certificate of Independent Bid Determination;
    - Special Conditions of Contract;
  - General Conditions of Contract; and
  - Other (specify)
- I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
- I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
- I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
- I confirm that I am duly authorised to sign this contract.

NAME (PRINT) .....

CAPACITY .....

SIGNATURE .....

NAME OF FIRM .....

DATE .....

#### WITNESSES

1 .....

2 .....

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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CONTRACT FORM - RENDERING OF SERVICES  
PART 2 (TO BE FILLED IN BY THE PURCHASER)

I..... in my capacity as.....  
accept your bid under reference number .....dated.....for the rendering of services  
indicated hereunder and/or further specified in the annexure(s).

An official order indicating service delivery instructions is forthcoming.

I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract,  
within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	TOTAL PREFERENCE POINTS CLAIMED	POINTS CLAIMED FOR EACH SPECIFIC GOAL

4. I confirm that I am duly authorised to sign this contract.

SIGNED AT ..... ON .....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

WITNESSES

1 .....

2 .....

DATE: .....

BID NO:	NKO 25/ 2025	INITIALS	
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**CONTRACT FORM - SALE OF GOODS/WORKS**

**THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL BIDDER (PART 1) AND THE SELLER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL BIDDER AND THE SELLER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.**

**PART 1 (TO BE FILLED IN BY THE BIDDER)**

1. I hereby undertake to purchase all or any of the goods and/or works described in the attached bidding documents from (name of institution) ..... in accordance with the requirements stipulated in (bid number) ..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the seller during the validity period indicated and calculated from the closing time of bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
  - (iv) Bidding documents, viz
    - Invitation to bid;
    - Tax clearance certificate;
    - Pricing schedule(s);
    - Declaration of interest;
    - Declaration of Bidder's past SCM practices;
    - Special Conditions of Contract;
  - (v) General Conditions of Contract; and
  - (vi) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) cover all my obligations and I accept that any mistakes regarding price(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
5. I undertake to make payment for the goods/works as specified in the bidding documents.
6. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
7. I confirm that I am duly authorized to sign this contract.

**WITNESSES**

1. ....

2. ....

DATE:.....

NAME (PRINT) .....

CAPACITY .....

SIGNATURE .....

NAME OF FIRM .....

DATE .....

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

CONTRACT FORM - SALE OF GOODS/WORKS

PART 2 (TO BE FILLED IN BY THE SELLER)

1. I..... in my capacity as.....  
accept your bid under reference number .....dated.....for the purchase of goods/works  
indicated hereunder and/or further specified in the annexure(s).
2. I undertake to make the goods/works available in accordance with the terms and conditions of the contract.

ITEM NO.	DESCRIPTION	PRICE (ALL APPLICABLE TAXES INCLUDED)		

4. I confirm that I am duly authorized to sign this contract.

SIGNED AT .....ON.....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

WITNESSES

.....

.....

DATE

BID NO:	NKO 25/ 2025	INITIALS	
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**DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES**

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors, have:
  - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
  - b. been convicted for fraud or corruption during the past five years;
  - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
  - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	<p><b><i>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</i></b></p> <p><b><u>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</u></b></p> <p><u>The Database of Restricted Suppliers now resides on the National Treasury's website(<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) and can be accessed by clicking on its link at the bottom of the home page.</u></p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	<p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p><b>The Register for Tender Defaulters can be accessed on the National Treasury's website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b></p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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4.3.1	If so, furnish particulars:		
<b>Item</b>	<b>Question</b>	<b>Yes</b>	<b>No</b>
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.7.1	If so, furnish particulars:		

#### CERTIFICATION

I, THE UNDERSIGNED (FULL NAME) .....

CERTIFY THAT THE INFORMATION FURNISHED ON THIS  
DECLARATION FORM TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST  
ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....

**Signature**

.....

**Date**

.....

**Position**

.....

**Name of Bidder**

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

- 1 This Municipal Bidding Document (MBD) must form part of all bids<sup>1</sup> invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).<sup>2</sup> Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
  - a. Take all reasonable steps to prevent such abuse;
  - b. Reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
  - c. Cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

I, the undersigned, in submitting the accompanying bid:

\_\_\_\_\_  
(Bid Number and Description)

in response to the invitation for the bid made by:

\_\_\_\_\_  
(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: \_\_\_\_\_ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
  - (a) has been requested to submit a bid in response to this bid invitation;
  - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
  - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>3</sup> will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - (a) prices;
  - (b) geographical area where product or service will be rendered (market allocation)
  - (c) methods, factors or formulas used to calculate prices;
  - (d) the intention or decision to submit or not to submit, a bid;
  - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
  - (f) bidding with the intention not to win the bid.

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder

<sup>3</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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## K: MUNICIPAL DECLARATION AND RETURNABLE DOCUMENTS

The following particulars must be furnished in relation to tenders for municipalities and municipal entities where:

- a) consultancy services are required; and
- b) goods, services or a combination thereof where the estimated total of the prices exceeds R 10 million including VAT.

In the case of a joint venture, separate municipal declarations and returnable documents shall be submitted in respect of each partner.

### Section 1: Enterprise Details

<b>Name of enterprise:</b>	
<b>Contact person:</b>	
<b>Email:</b>	
<b>Telephone:</b>	
<b>Cell no</b>	
<b>Fax:</b>	
<b>Physical address</b>	
<b>Postal address</b>	

### Section 2: Declaration for consultancy services:

The enterprise has been awarded the following consultancy services by an organ of state during the last five years.

Name of organ of state	Estimated number of contracts	Nature of service, e,g, quantity surveying	Service similar to required service (yes / no) ?

Attach separate page as necessary

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**Section 3 Goods, services or a combination thereof where the estimated total of the prices exceeds R 10 million including VAT**

I / we certify that

1) *(tick one of the boxes):*

- ☐ the enterprise **is not** required by law to prepare annual financial statements for auditing
- ☐ the enterprise **is** required by law to have audited annual financial statements and attached the audited financial statements for the past three financial years, or since the establishment as the enterprise was established within the past three years.

2) the enterprise and its directors has / have no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days *(ie: all municipal accounts are paid up to date)*;

3) source of goods and / or services:

*(tick one of the boxes and insert percentages if applicable):*

- ☐ goods and / or services are sourced only from within the Republic of South Africa
- ☐  % of the total cost of goods and / or services will be sourced from outside the Republic of South Africa and the percentage of payment from the municipality or municipal entity which is expected to be transferred out of the Republic is . %

I furthermore confirm that the following contracts were awarded to the enterprise by an organ of state during the last five years and attached particulars of any material non-compliance or dispute concerning the execution of such contracts:

Name of organ of state	Estimated number of contracts	Nature of contracts

Attach separate page as necessary

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**PAGE TO WHICH ANY OF THE FOLLOWING MUST BE ATTACHED**

**Please select  
the relevant  
option by  
ticking below**

**IN THE CASE WHERE:**

**A. TENDERER AS LANDOWNER FOR PURPOSE  
OF CONDUCTING BUSINESS FROM  
PREMISES**

A.1 In the case where the tenderer owns the property from which the tenderer's business operates from, an original or certified copy of the tenderer's business most recent municipal account indicating the status of payment of all municipal rates and taxes i.e., property rates, electricity, water, refuse & sewer from the Municipality in which jurisdiction the said property is situated, must be submitted.

☐

**OR**

A.2 In the instance where the tender occupies Tribal land an original/certified copy of a letter from the councilor or tribal authority confirming that the tenderer is residing in the area and whether the area has municipal account. If the property rates, electricity, water, refuse is charged by the municipality, the original or certified copy of the statement not older than three (3) months in the name of the service provider or any of its directors must be attached.

☐

**NB:** Should there be **separate** tax invoices from the municipality for property rates and services (taxes), you are required to submit the most recent of each of these invoices.

**OR**

**B. TENDERER IS THE TENANT FOR PURPOSE OF CONDUCTING  
ITS BUSINESS FROM PREMISES**

B.1 In the case where the tenderer does not own property and is a tenant for the purpose of its business establishment, the tenderer to provide an original or certified copy of a certificate from its landlord certifying that all the tenant's payments in respect of all municipal rates and taxes i.e. property rates, electricity, water, refuse & sewer are paid up to date, or

☐

B.2 In the case where the tenderer as tenant is responsible for its own municipal accounts with the municipality then tenderer to provide an original or certified copy letter from the landlord certifying the above together with all most recent relevant municipal invoices i.e., property rates, electricity, water refuse & sewer.

☐

B.3 In the case where the tenderer operates in the property owned by relative And does not pay rent or rate an affidavit from the relative confirming such must be attached

☐

B.4 In case where the potential service provider is under incubation programme an original or certified copy of the letter from the incubator confirming that the service provider is using their facilities (property). The incubator is to provide their original or certified copy of rates account or letter from the landlord.

☐

**Failure to do so may lead to your tender not scored for functionality.**

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

I, the undersigned who warrants that I am duly authorised on behalf of the tendering entity, hereby declare that the contents of this Declaration are within my personal knowledge, and save where stated otherwise are to the best of my belief both true and correct

Signed

-----

Date

-----

Name

-----

Position

-----

*Enterprise name*

-----

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

## L: KEY PERSONNEL

In terms of the Project Specification, all unskilled workers are to be locally sourced.

The Tenderer shall list below the personnel which he intends to utilize on the Works, including key personnel which may have to be brought in from outside if not available locally.

Category of Employee	Number of Persons					
	Key Personnel, Part of the Contractor's Organisation		Key Personnel to be imported if not available locally		Unskilled Personnel to be recruited from local community	
	PDI	NON-PDI	PDI	NON-PDI	PDI	NON-PDI

SIGNATURE: ..... DATE: .....  
(of person authorised to sign on behalf of the Tenderer)

BID NO:	NKO 25/ 2025	INITIALS	
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## M: CURRICULUM VITAE OF KEY PERSONNEL –CONTRACTS MANAGER

The success of this project will largely depend on the ability of the **Key Personnel** to manage local resources that are largely unskilled. The Tenderer must indicate who they intend using for this function and must list the incumbent's experience.

**Failure to provide proof of a suitable candidate to manage the work on a permanent basis on site during the currency of the contract will result in dis-qualification in terms of **Clause C.2.1**.**

<b>Contracts Manager:</b>	<b>Years with firm:</b>
<b>Qualifications:</b>	
<b><u>Employment Record:</u></b>	
<b><u>Experience Record Pertinent to Required Service:</u></b>	
<b>(Indicate no of years' experience)</b>	

Attached certified copies of the following:

- CV with the relevant years of experience
- Certified qualifications
- NQF 5 (Labour Intensive) Qualification

SIGNATURE: ..... DATE: .....

*(of person authorised to sign on behalf of the Tenderer)*

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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N: CURRICULUM VITAE OF KEY PERSONNEL – SITE AGENT

Site Agent:	Years with firm:
Qualifications:	
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required Service:</u>	
(Indicate no of years' experience)	

- Attached certified copies of the following:
- CV with the relevant years of experience
  - Certified qualifications

SIGNATURE: ..... DATE: .....  
(of person authorised to sign on behalf of the Tenderer)

BID NO:	NKO 25/ 2025	INITIALS	
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O: CURRICULUM VITAE OF KEY PERSONNEL – REGISTERED HEALTH AND SAFETY OFFICER

Registered Health and Safety Officer:	Years with firm:
Qualifications:	
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required Service:</u>	
(Indicate no of years' experience)	

- Attached certified copies of the following:
- CV with the relevant years of experience
  - Certified qualifications

SIGNATURE: ..... DATE: .....  
(of person authorised to sign on behalf of the Tenderer)

BID NO:	NKO 25/ 2025	INITIALS	
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**P: CURRICULUM VITAE OF KEY PERSONNEL – FOREMAN**

<b>Plant Operator:</b>	<b>Years with firm:</b>
<b>Qualifications:</b>	
<b><u>Employment Record:</u></b>	
<b><u>Experience Record Pertinent to Required Service:</u></b>	
<b>(Indicate no of years' experience)</b>	

SIGNATURE: ..... DATE: .....  
(of person authorised to sign on behalf of the Tenderer)

BID NO:	NKO 25/ 2025	INITIALS	
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**Q: SCHEDULE OF TENDERING FIRM'S EXPERIENCE (SIMILAR WORK AND ENVIRONMENT)**

**[REFER TO THE TENDER DATA FOR THE SCOPE OF WORK)**

**5 x CIVIL ENGINEERING PROJECTS**

PROJECT NAME	DESCRIPTION	VALUE	REFERENCE

**Attach for each project, an appointment letter and completion certificates as proof. Failure to submit proof may lead to no points scored for functionality.**

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**5 x GENERAL BUILDING PROJECTS**

PROJECT NAME	DESCRIPTION	VALUE	REFERENCE

**Attach for each project, an appointment letter and completion certificates as proof. Failure to submit proof may lead to no points scored for functionality.**

SIGNATURE: ..... DATE: .....  
*(of person authorised to sign on behalf of the Tenderer)*

BID NO:	NKO 25/ 2025	INITIALS	
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**R: PROVISIONAL PROGRAMME**

The Tenderer shall detail below or attach a preliminary programme reflecting the proposed sequence and tempo of execution of the various activities comprising the work for this tender.

The programme must indicate all key activities, time frames and must clearly demonstrate the Tenderer's understanding of the scope of works.

The competency and clarity of the programme will help to inform the Employer's assessment of the Tenderer's eligibility to execute the contract.

**Attach to this page a construction programme which will also be used for your functionality criteria evaluation.**

SIGNATURE: ..... DATE: .....  
*(of person authorised to sign on behalf of the Tenderer)*

BID NO:	NKO 25/ 2025	INITIALS	
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## S: SCHEDULE OF PLANT AND EQUIPMENT

It is important that the Tenderer be able to demonstrate that he/she has adequate plant and equipment to efficiently execute the proposed scope of works.

**The Tenderer's response to this section will be used in assessing the eligibility of the tender offer.**

(a) Details of important equipment that is owned by **and is immediately available for this contract.**

Quantity	Description	Size	Capacity

Attach additional pages if more space is required.

(b) Details of important equipment that will be hired, or acquired for this contract if my/our tender is acceptable.

Quantity	Description	Size	Capacity

Attach additional pages if more space is required.

SIGNATURE: ..... DATE: .....

*(of person authorised to sign on behalf of the Tenderer)*

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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## T: CONTRACTOR/SERVICE PROVIDER'S HEALTH AND SAFETY DECLARATION

In terms of the Occupational Health and Safety Act No 85 of 1993 a Contractor may only be appointed to perform key services if the *Purchaser* is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the provisions of the Act.

To that effect a person duly authorised by the tenderer must complete and sign the declaration hereafter in detail.

### Declaration by Tenderer

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993) herein after referred to as the "Act"

2. I hereby declare that my company has the competence and the necessary resources to safely carry out the services specified under this contract in compliance with the Employer's Health and Safety Specifications.

3. I propose to achieve compliance with the Regulations by one of the following:

(a)	From my own competent resources	*Yes / No
(b)	From my own resources still to be appointed or trained until competency is achieved	*Yes / No
(c)	From outside sources by appointment of competent specialist subcontractors	*Yes / No

(\* = delete whatever is not applicable)

4. I confirm that copies of my company's approved Health and Safety Plan, will at all times be available for inspection by the *Purchaser's* personnel, Nkomazi Local Municipality officials and inspectors of the Department of Labour.

5. I hereby confirm that adequate provision has been made in my tendered rates and prices in the schedule of quantities to cover the cost of all resources, actions, training and all health and safety measures envisaged in the Act and that I will be liable for any penalties that may be applied for failure to comply with the provisions of the Act.

6. I agree that my failure to complete and execute this declaration to the satisfaction of the *Purchaser* will mean that I am unable to comply with the requirements of the Act and accept that my tender will be prejudiced and may as a result be rejected at the discretion of the *Purchaser*.

SIGNATURE: .....

DATE: .....

(of person authorised to sign on behalf of the Tenderer)

BID NO:	NKO 25/ 2025	INITIALS	
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## **U: CERTIFIED CIDB GRADING CERTIFICATE**

**Provide your CIDB registration details and attach a printout of the CIDB certification showing an active status.**

**Reminder: Tenderers for this contract requires to have both 7CE and 7GB contractors grading destination**

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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1. I/We hereby bid to supply all or any of the supplies and/or to bid all or any of the services as described and required in the bid documentation to Nkomazi Local Municipality, on the terms and conditions and in accordance with the specifications as stipulated in the bid documentation (which bid documentation shall be taken as part of, and incorporated into, this bid) at the prices and delivery periods as required therein.
2. I/We agree that –  
the offer herein contained shall remain binding on me/us and open for acceptance by Nkomazi Local Municipality during the validity period indicated in the bid documentation, which period shall be calculated from the closing time of the bid;
3. this bid and its acceptance shall be subject to the Standard Terms and Conditions of Bid [T 5] which are contained in this bid documentation and with which contents I am/we are fully acquainted with;
4. if I/we withdraw my/our bid within the validity period of the bid for which I/we have agreed that the bid shall remain open for acceptance, or fail to fulfil the contract when called upon to do so, Nkomazi Local Municipality may, without prejudice to any other remedies at its disposal, agree to the withdrawal or cancellation of the bid or contract that may have been entered into and I/we will then pay to Nkomazi Local Municipality any additional expense incurred by Nkomazi Local Municipality having to either accept any less favourable bid, or if fresh bids have to be invited, the additional expenditure incurred by the invitation of fresh bids and by the subsequent acceptance of any less favourable bid;
5. if my/our bid is accepted the acceptance may be communicated to me/us by letter by ordinary post or registered post and that the Post Office shall be regarded as my/our agent, and delivery of such acceptance to the Post Office shall be treated as a delivery to me/us;
6. The law of the Republic of South Africa shall govern the contract created by the acceptance of my/our bid and that I/we choose our *domicilium citandi et executandi* in the Republic at:  
  
.....
7. I/We furthermore confirm that I/we have satisfied myself/ourselves as to the correctness and validity of my/our bid and that the prices and scope of work bided cover all my/our obligations in terms of the bid documentation and that I/we accept that any mistakes regarding prices or calculations will be at my/our risk.
8. I/We hereby accept full responsibility for the proper execution and due fulfilment of all obligations and conditions devolving on me/us under this contract as the principal bidder liable for the contract.
9. I/We agree that any action arising from this contract may in all respects be instituted against me/us and I/we hereby undertake to satisfy fully any judgment obtained against me/us as a result of such action.

Signature ..... Tender/Bid no.....

Capacity .....

Duly authorised to sign on behalf of

.....

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**CONTRACT**

**PART C1: AGREEMENTS AND CONTRACT DATA**

**PART C2: PRICING DATA**

**PART C3: SCOPE OF WORK**

**PART C4: SITE INFORMATION**

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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## CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL

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<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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The Municipal Manager  
Nkomazi Municipality  
Private Bag X 101  
Malalane  
1320

Sir/Madam

**BID NO: NKO:25/2025 CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL**

DATE OF PUBLICATION OF TENDERS	CLOSING DATE AND TIME FOR SUBMISSION OF TENDERS	THIS TENDER HOLDS GOOD FOR ACCEPTANCE UNTIL
	<b>19/06/2025 @12:00</b>	<b>90 days</b>

1. Having examined the documents for the execution of the above-mentioned Project as well as any addenda subsequently issued, I/we the undersigned offer to **CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL** conformity with the above-said documents and addenda, for the sum of –

.....  
.....(Words)

(R..... \*) \* Excluding VAT

or such other sum as may be determined in accordance with the general conditions of contract and the tender rules applicable to this contract, as well as the conditions included in this form of tender.

2. I/We acknowledge that all the certificates, schedules and forms included in this document for completion by the Tenderer have been fully completed by me/us and form part of my/our tender.
3. I/We undertake to complete and deliver the whole of the Project comprised in this contract within 36 months including the holidays during December and January and any other specified non-working days, calculated from the commencement day of supervision.
4. In the event of my/our not completing the whole of the works within the period tendered by me/us in paragraph 3 hereof, I/we agree to pay the Employer, as a penalty for such default, the sum stated in the Appendix to Tender for each calendar day or part thereof in excess of my/our tendered time for completion and the Employer may, without prejudice to any other method of recovery, deduct such sum monthly from any monies due or to become due to me/us.
5. If my/our tender is accepted, I/we undertake -

To sign the form of agreement included in this document within a period of twenty-one (21) days of receipt of written acceptance of my/our tender subject to the prior provision of the approved contract guarantee by me/us.

6. I/We agree to abide by this tender for a period of ninety (90) days from the closing date fixed for the submission of tenders, and it shall remain binding upon me/us and may be accepted at any time before expiry of that period.
7. Unless and until a formal agreement is prepared and executed, this tender, together with the written acceptance thereof, shall constitute a binding contract between us and shall be deemed for all purposes to be the contract agreement.

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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8. In the event of there being any arithmetical errors in the priced bill of quantities, I/we agree to their being corrected, the rates being taken as correct.
9. I/We understand that you are not bound to accept the lowest or any particular tender you may receive, and that you shall not defray any expenses incurred by me/us in tendering.
10. I/We agree and undertake to commence the abovementioned Project within seven (7) days from the date on which the Project has been handed over to me/us by a written instruction from the Employer.
11. I/We declare that, notwithstanding anything contained in a covering letter to this tender, this tender is submitted entirely without qualifications.
12. I/We choose *domicilium citandi et executandi* at -

.....

in the Republic of South Africa.

Yours faithfully

SIGNED ON BEHALF OF TENDERER .....

NAME OF SIGNATORY (IN CAPITALS): .....

SIGNED ON THIS THE .....DAY OF .....IN THE YEAR OF.....

ON BEHALF OF: .....

ADDRESS.....

TELEPHONE NUMBER .....

FAX NUMBER: .....

WITNESS 1: .....

NAME IN CAPITALS: .....

WITNESS 2: .....

NAME IN CAPITALS: .....

BID NO:	NKO 25/ 2025	INITIALS	
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## C1.1 FORM OF OFFER AND ACCEPTANCE (CONTINUED)

### Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the tenderer's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of Contract identified in the Contract Data. Acceptance of the tenderer's offer shall form an agreement between the Employer and the tenderer upon the terms and conditions contained in this agreement and in the Contract that is the subject of this agreement.

The terms of the Contract, are contained in:

Part C1: Agreements and Contract Data, (which includes this agreement).

Part C2: Pricing Data.

Part C3: Scope of Work.

Part C4: Site Information.

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's Agent (whose details are given in the Contract Data) for delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of Contract identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now Contractor) within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding Contract between the parties.

Signature Block: Employer	
Signature .....	Date .....
Name .....	
Capacity .....	
for the Employer	
Signature of witness .....	Date .....
Name of witness .....	

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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## C1.1 Form of Offer and Acceptance (continued)

### Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such, letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of, offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here shall also be incorporated into the final draft of the Contract.

Subject .....

Details .....

.....

.....

Subject .....

Details .....

.....

.....

Subject .....

Details .....

.....

.....

Subject .....

Details .....

.....

.....

By the duly authorised representatives signing this agreement, the Employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the Contract between the parties arising from this agreement.

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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### C1.1 Form of Offer and Acceptance (continued)

**For the Tenderer:**

Signature(s)

Name(s)

Capacity

(Name and address of organization)

Name &  
signature of  
Witness

**For the Employer:**

Signature(s)

Name(s)

Capacity

(Name and address of organization)

Name &  
signature of  
Witness

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**Confirmation of Receipt**

The tenderer, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the ..... (day)  
of ..... (month)  
20..... (year)  
at ..... (place)

For the Contractor:

.....  
Signature

.....  
Name

.....  
Capacity

Signature and name of witness:

.....  
Signature

.....  
Name

BID NO:	NKO 25/ 2025	INITIALS	
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## CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL

### C1.2 Contract Data

Section 1.01 The General Conditions of Contract for Construction Works (2015) published by the South African Institution of Civil Engineering, is applicable to this Contract. Copies of these conditions of Contract may be obtained from the South African Institution of Civil Engineering (Tel: 011-805 5947).

The General Conditions of Contract for Construction Works make several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the Contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the general conditions of Contract.

Each item of data given below is cross-referenced to the clause in the General Conditions of Contract for Construction Works to which it mainly applies.

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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## CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL

BID: NKO 25/2025

### C1.2.1: CONDITIONS OF CONTRACT

#### GENERAL CONDITIONS OF CONTRACT

#### SPECIAL CONDITIONS OF CONTRACT

#### GENERAL

#### 2. APPENDIX A: TRANSFER OF RIGHTS

BID NO:	NKO 25/ 2025	INITIALS	
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## C1.2.1 CONDITIONS OF CONTRACT

### GENERAL CONDITIONS OF CONTRACT

This Contract will be based on the "General Conditions of Contract for Construction Works - Third Edition, 2015", issued by the South African Institution of Civil Engineering (Short title: "General Conditions of Contract 2015") and can be obtained from:

#### SAICE

Waterfall Park  
Howick Gardens  
Vorna Valley Halfway House  
Becker Street  
MIDRAND  
1685  
Gauteng Province  
Tel: (011) 805-5947/8  
Fax: (011) 805-5971.

It is agreed that the only variations from the General Conditions of Contract 2015 are those set out hereafter under "Special Conditions of Contract".

### SPECIAL CONDITIONS OF CONTRACT

#### 3. GENERAL

These Special Conditions of Contract (SCC) form an integral part of the Contract. The Special Conditions shall amplify, modify or supersede, as the case may be, the General Conditions of Contract 2015 to the extent specified below, and shall take precedence and shall govern.

The clauses of the Special Conditions hereafter are numbered "SCC" followed in each case by the number of the applicable clause or sub clause in the General Conditions of Conditions 2015, and the applicable heading, or (where a new special condition that has no relation to the existing clauses is introduced) by a number that follows after the last clause number in the General Conditions, and an appropriate heading.

Clause no.	Description
<b>SCC 6.11</b>	<b>Replace the Heading with "VARIATIONS EXCEEDING 20 PERCENT"</b>
<b>SCC 6.11.1.3</b>	Replace the wording: "greater than 15 percent" with "greater than 20 percent".

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

## APPENDIX A: TRANSFER OF RIGHTS

### TRANSFER OF RIGHTS AND INDEMNITY (To be completed during construction by successful Tenderer only)

Claim for materials on site, Payment Certificate No. .... Date: .....

Contract No: ..... for (contract title) .....

I, the undersigned (name of signatory) ..... in my capacity as  
..... of (name of Contractor) .....

duly authorized hereto on behalf of the Contractor hereby transfer, cede and assign all the Contractor's rights, title and interest in and to the materials and goods, for which evidence of bona fide ownership is attached hereto, unto and in favour of (name of Employer) .....  
. insofar as the Contractor retains actual control of the materials and goods, the right of ownership thereof passes to the Employer by constitutum possessorium.

I herewith indemnify the Employer against any claim to and in respect of said materials by reason of the Contractor's sequestration or liquidation or of any defect in the Contractor's title to the materials and agree that no payment for materials on site will be made by the Employer until such time as I have submitted documentary proof of bona fide ownership of the said materials and goods.

This transfer shall become effective upon conclusion of the Contractor receiving payment from the Employer or from any other person on behalf of the Employer for the materials and goods as materials on site, payment of retention money thereon excluded.

I further confirm that I am fully responsible for all materials and goods listed under this Transfer of Rights and that they have been insured adequately against all risks and will remain insured until they are built into or used in the Permanent Works and taken over by the Employer.

This certificate of Transfer of Rights applies only to the materials and goods as listed in the following table:

Description of Item	Unit	Quantity	Rate	Amount	Supplier
Total Value of Materials and goods					

Signed by: ..... Date: .....  
for and on behalf of the Contractor.

Witnessed by: ..... Date: .....

NOTE: This form, together with the documentary proof of ownership or proof of payment by the Contractor to the supplier, shall accompany the Contractor's claim for payment for materials on site in terms of Clause 6.10.1.5 of the General Conditions of Contract 2010.

BID NO:

NKO 25/ 2025

INITIALS

## C1.2.2 PART A: CONTRACT DATA PROVIDED BY THE EMPLOYER

The following Contract specific data are applicable to this Contract.

### REFERENCE CONTRACT SPECIFIC DATA BY THE EMPLOYER

Clause

1.1.1.13 The Defects Liability Period is 12 months (measured from the date of the Certificate of Completion).

The time for achieving Practical Completion will be 20 months(measured from the Commencement Date).

1.1.1.15 The name of the Employer is: Nkomazi Local Municipality

1.1.1.16 The Engineer is: ECA Consulting (Pty) LTD represented by a Director duly authorized thereto in writing.

1.1.1.26 The Pricing Strategy is: Re-measurement Contract

1.2.1.2 The Employer's address for receipt of communications is:

Physical address:

Telephone: 013 790 0245

Facsimile: 013 790 0886

Address (physical): 9 Park Street, Malelane, 1320

Address (postal): Private Bag X101, Malelane, 1320

1.2.1.2 The Engineer's address for receipt of communications is:

Postal address:

PO Box 19763

Mbombela

1218

Telephone: 013 752 2357

5.3.1 The documentation required before commencement with Works execution are:

Health and Safety Plan (Refer to Clause 4.3)

Initial programme (Refer to Clause 5.6)

Security (Refer to Clause 6.2) Fixed Guarantee will be required

Insurance (Refer to Clause 8.6)

3.1.3 The Engineer is required to obtain the specific approval of the Employer before executing any of the following: The Engineer requires the Clients approval in order to authorize any expenditure in excess of the tender sum excluding contingencies as per Clause 6.4.

5.3.2 The time to submit the documentation required before commencement with Works execution is fourteen (14) days after appointment.

5.4.2 The access and possession of site shall not be exclusive to the Contractor but as set out in the Site Information.

5.8.1 The non-working days are Sundays.

The special non-working days are:

1 Public holidays and voting days if published prior to the tender closing date.

2 The year end break commencing and ending on dates as specified by SAFCEC.

5.13.1 The penalty for failing to complete the Works within the abovementioned time limit, plus approved extensions of time or condonation thereof is 0.01% of the Contract Sum per calendar day.

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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5.14.1: Practical Completion will be considered when:  
The sports facility is in a state to be utilised, and the grassing has been established.

5.16.3 The latent defect period is ten (10) years for civil engineering works and building works.

6.5.1.2.3 The percentage allowance to cover overhead charges is 10%.

6.8.2 Contract Price Adjustment: The Contract shall be subject to Contract Price Adjustment.

The value of the certificates issued shall be adjusted in accordance with the Contract Price Adjustment Schedule included in the General Conditions of Contract.

The value of "x" is 0.15

The values of the coefficients are:

a = 0.2 Labour

b = 0.35 Contractor's equipment

c = 0.35 Material

d = 0.1 Fuel

Clause:

The province wherein the larger part of the site is located is: Mpumalanga.

The applicable industry for the Producer Price Index for material is Diesel

The area for the Producer Price Index for fuel is: Malelane, Mpumalanga. (or closest listed location)

The base month is: the month prior to the closing of the tender.

6.8.3 Price adjustments for variations in the cost of special materials are allowed.

6.10.1.5 The percentage advance on materials not yet built into the Permanent Work is 80%.

6.10.3 The limit of retention money is 10% of the Contract Sum limited to 5%.

8.2.2 The safekeeping of all material paid as material on site not yet built into the works remains the responsibility of the contractor, although ownership rest with the client as per clause 6.10.1.5.

8.6.1.1.2 The value of Plant and materials supplied by the Employer to be included in the insurance sum is R Nil.

8.6.1.1.3 The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is R 5,000,000.

8.6.1.3 The limit of indemnity for liability insurance is R 10 000 000 for any single claim, the number of claims to be unlimited during construction and Defects Liability Period.

8.6.1.5 No additional insurance is required

10.5.2 Dispute resolution is to be by means of ad-hoc adjudication

The number of Adjudication Board Members to be appointed is three.

10.7.1 Disputes to be referred for final settlement to arbitration

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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**PART B: DATA PROVIDED BY THE CONTRACTOR**

**Clause**

1.1.1.9 Name of Contractor: .....

1.2.1.2 The Contractor's address for receipt of communications is:

Physical address:      Postal address:

.....

.....

.....

.....

Telephone: .....

Fax: .....

E-mail: .....

The security to be provided by the Contractor shall be:

Performance guarantee of 10% of the Contract Sum plus retention of 10% of the value of the Works, limited to 5%  
**A Fixed Guarantee will be required.**

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

### C1.3 Form of Guarantee - Pro Forma

#### Appendix C:

General Conditions of Contract for Construction Works, Third Edition (2015)

#### PRO FORMA PERFORMANCE GUARANTEE

For use with the General Conditions of Contract for Construction Works, Third Edition (2015).

#### GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means: .....

Physical address: .....

"Employer" means: .....

"Contractor" means: .....

"Employer's Agent" means:

.....

"Works" means: .....

"Site" means: .....

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of R .....

Amount in words: .....

"Guaranteed Sum" means: The maximum aggregate amount of R .....

Amount in words: .....

Type of Performance Guarantee: ..... (Insert Fixed)

"Expiry Date" means: ..... (Achieving practical completion of the works.)

#### CONTRACT DETAILS

Employer's Agent issues: Interim Payment Certificates, Final Payment Certificate and the Certificate of Completion of the Works as defined in the Contract.

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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## 1. VARIABLE PERFORMANCE GUARANTEE

1.1 Where a Variable Performance Guarantee has been selected, the Guarantor's liability shall be limited during the following periods to diminishing amounts of the Guaranteed Sum as follows:

1.1.1 From and including the date of signing the Performance Guarantee up to and including the date of the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum:

R.....

(Amount in words .....)

1.1.2 From the day following the date of the said interim payment certificate up to and including the Expiry Date, or the date of issue by the Employer's Agent of the Certificate of Completion of the Works, whichever occurs first:

R.....

(Amount in words .....)

1.2 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum, has been issued and the date on which the Certificate of Completion of the Works has been issued.

## 2. FIXED PERFORMANCE GUARANTEE

2.1 Where a Fixed Performance Guarantee has been selected, the Guarantor's liability shall be limited to the amount of the Guaranteed Sum.

2.2 The Guarantor's period of liability shall be from and including the date on which the Performance Guarantee is signed, up to and including the Expiry Date, or the date of issue by the Employer's Agent of the Certificate of Completion of the Works, or the date of payment in full of the Guaranteed Sum, whichever occurs first.

2.3 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.

## 3. CONDITIONS APPLICABLE TO VARIABLE AND FIXED PERFORMANCE GUARANTEES

3.1 The Guarantor hereby acknowledges that:

3.1.1 Any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship.

3.1.2 Its obligation under this Performance Guarantee is restricted to the payment of money.

3.2 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 3.2.1 to 3.2.3:

3.2.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 3.2.2;

3.2.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) Days has elapsed since the first written demand in terms of 3.2.1 and the sum certified has still not been paid;

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- 3.2.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 3.2.
- 3.3 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
- 3.3.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 3.3; or
- 3.3.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 3.3; and
- 3.3.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 3.4 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 3.2 and 3.3 shall not exceed the Guarantor's maximum liability in terms of 1.1 or 2.1.
- 3.5 Where the Guarantor has made payment in terms of 3.3, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 3.6 Payment by the Guarantor in terms of 3.2 or 3.3 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 3.7 Payment by the Guarantor in terms of 3.3 will only be made against the return of the original Performance Guarantee by the Employer.
- 3.8 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may consider fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 3.9 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 3.10 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 1.1.2 or 2.2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 3.11 This Performance Guarantee, with the required demand notices in terms of 3.2 or 3.3, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 3.12 Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrates' Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

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Signed at .....  
Date .....  
Guarantor’s signatory (1) .....  
Capacity.....  
Guarantor's signatory (2) .....  
Witness signatory (1) .....  
Witness signatory (2) .....

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C1.4: Agreement with Adjudicator:

This agreement is made on the.....day of ..... 20.....between: the Employer  
(name of company / organisation).....  
of (address).....  
.....and the Contractor  
(name of company / organisation) .....  
of (address).....  
..... (hereinafter called the  
Parties)

and  
(name).....  
of (address) .....  
..... (hereinafter called the  
Adjudicator)

Disputes or differences may arise/have arisen\* between the Parties under a Contract dated.....  
and known as ..... (Insert Contract number)  
(Contract title).....

and these disputes or differences shall be/have been\* referred to adjudication in accordance with the CIDB  
Adjudication Procedure, (hereinafter called "the Procedure") and the Adjudicator may be or has been requested to  
act.

(\* Delete as necessary)

IT IS NOW AGREED as follows:

1. The rights and obligations of the Adjudicator and the Parties shall be as set out in the Procedure.
2. The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.
3. The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure as set out in the Contract Data.
4. The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.

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5. The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

SIGNED by:

(Signature): ..... (Signature): ..... (Signature): .....

Name: ..... Name: ..... Name: .....

who warrants that he/ she is      who warrants that he/ she is      the Adjudicator in the  
duly authorised to sign for and      duly authorised to sign for      presence of  
on behalf of the First Party in      and on behalf of the Second  
the presence of Party in the presence of

Witness:      Witness:      Witness:

(Signature).....(Signature).....(Signature).....

Name: ..... Name: ..... Name:

Address: ..... Address: ..... Address:

.....  
.....

Date: ..... Date: ..... Date: ..... ..

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**C1.5: AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT NO 85 OF 1993**

**THIS AGREEMENT is made between the Nkomazi Local Municipality**

**(hereinafter called the EMPLOYER of the one part, herein represented by:  
in his capacity as:**

**AND:**

**(hereinafter called the CONTRACTOR) of the other part, herein represented by**

**in his capacity as:**

**duly authorised to sign on behalf of the Contractor.**

**WHEREAS:**

1. The Municipality and the mandatory entered into a written, alternatively oral agreement on the.....Day of .....20..... in terms of which the Mandatory undertook to carry out the following work for the Municipality, viz. (give a short description of the type of contract work to be done as well as the address where work will be done)

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*(The said contract work is hereinafter referred to as the Work)*

2. The Occupational Health and Safety Act, Act 85 of 1993 as amended (hereinafter referred to as the Act) contains amongst others certain provisions with regard to the health and safety of people at work and in connection with the usage of plant and machinery, as well as the protection of other persons than persons at work against hazards to health and safety that originates from or in connection with the activities of persons at work.
3. Section 37(2) of the Act makes provision for the exclusion by the parties, by way of a written agreement, of supposition and accompanying liability of the Municipality as stipulated in section 37(1) of the Act.
4. The parties have reached consensus with regard to the terms and conditions to which they agree in terms of the provisions of section 37(2) of the Act.

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## THE PARTIES AGREE AS FOLLOWS

### 1. WRITTEN AGREEMENT

The parties herewith agree in terms of section 37(2) of the Act on the arrangements and procedures that must be followed to ensure compliance with the provisions of the Act by the Mandatory.

### 2. ACKNOWLEDGEMENT BY THE MANDATORY

The mandatory acknowledge herewith that he is fully acquainted with the contents of the Act, as well as with all regulations and SABS codes of practice that have been made in terms of section 43 of the Act.

### 3. UNDERTAKING BY MANDATORY

- (a) The Mandatory hereby undertakes and binds himself to the Municipality to ensure prompt and strict compliance with the provisions of the Act and the said regulations as well as with the provisions included in this Safety Agreement at all times during the execution of the Works
- (b) It is hereby recorded that the provisions of this Safety Agreement as set out hereinafter are in no way intended to restrict the duties of the Mandatory, nor to exempt the Mandatory from his obligation in accordance with the Act and the said regulations

### 4. PERSONAL PROTECTIVE EQUIPMENT

- (a) It is compulsory to wear equipment for eye protection when working in an eye protection zone or where the Work requires eye protection.
- (b) It is compulsory to wear safety helmets when working in a safety helmet zone or where the Work requires safety helmets.
- (c) It is compulsory to wear hearing protection when working in a noise zone or where the Work requires hearing protection.
- (d) The wearing of other protective clothing and equipment as prescribed by the Occupational Health and Safety Officer of Nkomazi Municipality is compulsory.
- (e) The Mandatory shall ensure that the statutory requirements are complied with at all times.

### 5. FENCING AND GENERAL MACHINERY PROTECTION

No shield or fencing may be removed from or be moved at any machinery or installation without written permission.

### 6. SCAFFOLDING, LADDERS, TOOLS, ET CETERA

The Mandatory without the written permission of the Municipality may use no equipment or tools that belong to the Municipality.

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Except where agreed beforehand the Mandatory shall provide enough tools and equipment to enable him to complete the Works and the Mandatory shall provide all storerooms, offices and eating halls that he may need. The Mandatory will be responsible for all his material on site.

In special case where the Municipality may lend equipment, tools, or materials to the Mandatory, the Mandatory will use such equipment, tools and/or materials at his own risk and the Mandatory herewith indemnifies the Municipality against any liability of whichever nature or from any cause whatsoever, whether direct or indirect, that may arise from such usage.

## **7. SERVICES AND WORKING METHODS**

The written permission of the Chief Executive/Town Clerk of the Municipality shall be obtained where any work which must be undertaken by the Mandatory is connected with a working process or machinery or any other service in connection therewith, or may possibly affect it, before he commences with such work.

Approval shall be obtained from the City Electrical Engineer of the Municipality before any equipment is connected to the electrical supply of the Municipality. All equipment shall be isolated before any equipment is connected to the electrical supply of the Municipality. It shall be isolated and be provided with earth leakage protection. Electrical machinery, portable electrical tools, and portable lights must comply with the requirements of the applicable regulations.

Work permits must be issued in terms of the Occupational Health and Safety Act and Regulations when the nature of the work requires it. Permits must be issued by the relevant departmental head where necessary.

## **8. EXCAVATIONS**

Written permission for excavations shall be obtained from the City Engineer of the Municipality and the Mandatory shall make sure of the existence and position of electrical cables, discharge pipes, gas lines, water conduits, et cetera before he commences with any excavation work.

All excavations and obstructions and/or any openings in platforms or floors shall be enclosed in a safe way and warning notices shall be erected to ensure absolute safety. An adequate number of red or orange caution lights shall be provided when it is dark or should bad light prevail.

The area surrounding excavations shall be kept in a safe, orderly, and tidy condition. No loose material of whatever nature may be left in walkways or workplaces or be allowed to block walkways or workplaces.

Nobody may enter into any restricted area in which hazardous fumes or a shortage of oxygen exists without a permit giving permission to do so, issued by the head of the relevant department of the Municipality and until it has been certified safe for entrance by the Occupational Health and Safety Officer and the Health Inspector of the Municipality.

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## **9. RESTRICTION TO WORKPLACE**

Employees of the Mandatory shall be restricted to their workplaces except when they have to leave their area for work purposes or when they visit toilets.

## **10. SUBCONTRACTORS**

The Mandatory shall ensure that all subcontractors receive a copy of this safety agreement and must ensure they comply with it.

## **11. OCCUPATIONAL HEALTH AND SAFETY OFFICER AND THE REPORTING OF ALL ACCIDENTS**

The Occupational Health and Safety Officer of the Municipality is available for consultation and he will make periodical visits to the workplace of the Mandatory. Any hazardous occurrence or incident to the employees of the Mandatory that results in absence from work for a period longer than three days shall be reported in writing to the Occupational Health and Safety Officer of the Municipality within forty eight hours as well as to the Department of Labour as specified by the Act. Every user, employer, occupier, builder, or excavator must, under this Act, keep record of all accidents that occur.

In the case of an accident that results in loss of life, nobody may disturb the scene of the accident or any articles involved in the accident prior to the arrival of the Occupational Health and Safety Officer and the Inspector, unless it is to prevent another accident from happening or the prevention of loss of life or to remove corpses.

The Occupational Health and Safety Officer will issue contravention notices to the Mandatory or a sub-contractor when there is a non-compliance and will specify the time in which it must be rectified.

The Occupational Health and Safety Officer will issue work stop notices to the Mandatory or sub-contractor whenever he is of the opinion that the health and safety of any person at work is threatened or that the contravention notices are not adhered to.

## **12. FIRST AID**

Where five or more persons are employed at a workplace, the Mandatory shall provide and maintain an adequately equipped first-aid box that meets the following requirements.

- (a) Every first-aid box shall contain the minimum contents as prescribed by the Occupational Health and Safety Act.
- (b) Nothing except articles and equipment required for first-aid purposes may be kept in the first-aid box.
- (c) Each first-aid box shall be kept in a place readily accessible in case of an accident.

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All first-aid boxes shall be placed under control of a responsible person except where five or less persons are at work. The responsible person must be in the possession of a valid first-aid certificate issued by one of the following organisations:

- A South-African Red Cross Society
- B St. John's Ambulance Foundation
- C South-African First-Aid League

A notice indicating where the first-aid box is kept as well as the name of the person in charge, shall be affixed in a conspicuous place. The first-aid facilities of the Municipality may be used during emergencies.

### **13. FIRE PREVENTION MEASURES AND STORAGE OF FLAMMABLE MATERIAL**

The Fire department of the Municipality shall be notified before any welding, oxyacetylene welding, cutting, burning of paint or tar from floors or roofs is undertaken so that the necessary fire prevention measures can be arranged. All "NO SMOKING AND OPEN SURFACE FIRES/LIGHTS PROHIBITED" notices shall be adhered to. The Mandatory and his senior employee shall acquaint themselves and their fellow workers with the fire prevention measures of the Municipality, which will also include fire alarm notices and exits in case of fire, and they shall ensure that these rules are strictly complied with.

### **14. COMPLETION OF WORK**

Before the mandatory or his sub-contractors leaves the site they shall inform the Head of the relevant Department of the Municipality and obtain his/her written approval that the work has been completed satisfactory and that the site of the work is left in a good condition.

### **15. SALVAGED MATERIAL AND EQUIPMENT**

Any building demolished or equipment or materials that are salvaged whilst carrying out the work shall remain the property of the Municipality, unless the contract specifically provides otherwise.

### **16. BREAKING OF THESE RULES AND POOR CONDUCT**

The Mandatory is warned that no behaviour that causes danger to their own employees, to the employees of the Municipality or general public will be tolerated. The Occupational Health and Safety Officer of the Municipality reserves the right of the withdrawal of any employees of the Mandatory or Municipality from the premises in the case of any default or breach of the agreement and to order that the completion of the work be stayed, pending compliance with this agreement; alternatively to cancel the agreement referred to in par.2 in which event the Municipality will be entitled to appoint an alternative contractor to complete the work and recover the costs thereof from the mandatory, without prejudice to any alternative or additional right or action or remedy to the Municipality, to recover from the mandatory damages for the default or breach and the cancellation.

The senior employees of the Mandatory shall sign a note of acknowledgement of this safety agreement to certify that they have received the regulations as included herein and that they understand the regulations

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## **17. INTOXICATION**

Nobody that is in a state of intoxication or that is in any other condition that causes or may cause his/her incapability to control him/herself or persons under his control may and shall not be permitted on the premises of the Municipality. The Occupational Health and Safety Officer of the Municipality reserves the right to the withdrawal of any employees of the Mandatory or Municipality from the premises in the case of any transgression of this nature.

## **18. CONFIDENTIALLY**

The Mandatory shall at all times treat data and information that have been made known to him or that he requires in connection with his work from the Municipality as confidential and he may not make unauthorized use thereof. He must also ensure that such data and information are not communicated to anybody else that is not an employee of the Mandatory without obtaining prior written approval from the Municipality and he must further ensure that such persons do in fact know that the said information is confidential and that they are obliged to treat it as such.

The Mandatory shall provide for adequate physical protection for any confidential documents, sketches, et cetera that he receives from the Municipality in connection with the work as well as for any copies thereof that he makes. He shall hand back all documents sketches and copies thereof to the Municipality upon completion of the work, or earlier, if so requested by the Municipality. The Mandatory shall inform the Municipality immediately should any such documents or sketches become lost.

## **19. INDEMNIFICATION BY THE MANDATORY**

The following conditions will be applicable to the Mandatory:

- (a) The Mandatory is liable and herewith indemnifies the Municipality irrevocably and in full against any claim for loss or damage to property or arising from death or injury of any person and any associated loss or damage suffered, and against all lawsuits, claims, demands, costs, expenses, and charges that may arise when the said occurrences are caused on purpose or through the negligence, violation of legal obligations or failure by the Mandatory or its employees.
- (b) Whenever any of the employees of the Municipality is busy with work to, or with the supply of material that will be used during the execution of the work by the Mandatory, or otherwise busy with work under the instruction and supervision of the Mandatory, in as far as they may be negligent or fail to do their duty, they will be regarded as employees of the mandatory
- (c) All installations, equipment, hoisting-apparatus and other implements, scaffolding, ladders, material, et cetera that are borrowed from the Municipality by the Mandatory for usage during the execution of the work, will be used entirely at the risk of the Mandatory or employees of the Mandatory and the Mandatory herewith indemnifies the Municipality irrevocably and in full against any liability that may arise from such usage.

## **20. AMENDMENTS MUST BE IN WRITING**

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The parties agree herewith that this safety agreement is the only safety agreement between them and that no amendment thereof will be valid unless it is in writing and signed by both parties.

## **21. JURISDICTION AND LEGAL COSTS**

In the event of any legal action being instituted pertaining to this agreement the party in default or breach will be liable for the other party's legal costs on the scale as between attorney and own client and the parties consent to the jurisdiction of the magistrate's court for purpose of any legal action being instituted.

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## PARTICULARS OF THE MANDATORY

Name (Mandatory) \_\_\_\_\_

C.E.O. (Section 16(1)) \_\_\_\_\_

ID NO \_\_\_\_\_

Designation \_\_\_\_\_

Name of Business \_\_\_\_\_

Address of Business \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Tel number (h) \_\_\_\_\_ (w) \_\_\_\_\_ e-mail \_\_\_\_\_

Number of employees employed \_\_\_\_\_

Registration number as allocated to the Mandatory by the Workman's Compensation Commissioner

\_\_\_\_\_  
Date allocated \_\_\_\_\_

Thus done and signed on this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

As witnesses:

\_\_\_\_\_ (Signature) \_\_\_\_\_ (Name in print)

\_\_\_\_\_ (Signature) \_\_\_\_\_ (Name in print)

\_\_\_\_\_ (Signature) \_\_\_\_\_ (Name in print)

THE MANDATORY

Thus done and signed on this \_\_\_\_\_ day of 20 \_\_\_\_\_

As witnesses

\_\_\_\_\_ (Signature) \_\_\_\_\_ (Name in print)

\_\_\_\_\_ (Signature) \_\_\_\_\_ (Name in print)

\_\_\_\_\_ (Signature) \_\_\_\_\_ (Name in print)

THE MUNICIPALITY

Acknowledgement of receipt of the agreement:

\_\_\_\_\_  
THE MANDATORY

**BID NO:**

**NKO 25/ 2025**

**INITIALS**

# NKOMAZI LOCAL MUNICIPALITY



BID NO: NKO 25/ 2025

CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL

## C2.2 BILL OF QUANTITIES

BID NO:	NKO 25/ 2025	INITIALS	
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## CONSTRUCTION OF SPORTS FACILITIES IN SCHOEMANSDAL

**BID: NKO --25/2025**

### C2 PRICING DATA

#### C2.1 Pricing Instructions

1. Measurement and payment shall be in accordance with the relevant provisions of the SANS1200 Specification as amended in the Scope of Works subject to the variations and amendments contained in the Section C3.5 Project Specifications.

Descriptions in the Bill of Quantities are abbreviated and comply generally with those in the Standardised Specifications. Clause 8 of each Standardised Specification, read together with the relevant clauses of Part C3: Scope of Work, set out what ancillary or associated activities are included in the rates for the operations specified.

Should any requirements of the measurement and payment clause of the applicable Standardised Specification, or the Scope of Work, conflict with the terms of the Bill of Quantities, the Employer's Agent shall direct the applicable requirements.

The clauses in a specification in which further information regarding the listed items in the Bill of Quantities can be obtained appear under "Payment Reference" column.

The reference clauses indicated are not necessarily the only sources of information in respect of billed items. Further information and set specifications may be found in Section C3.5 Project Specifications. Standardised Specifications are identified by the letter or letters which follow "SANS" in the SANS 1200 series of specifications, e.g. G for SABS 1200 G.

Unless otherwise stated, items are measured net in accordance with the drawings and no allowance is made for waste. The quantities set out in the Bill of Quantities are approximate and do not necessarily represent the actual amount of work to be done. The quantities of work accepted and certified for payment will be used for determining payments due only.

The prices and rates to be inserted in the Bill of Quantities are to be the full inclusive prices for the work described under the various items. The prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit. The prices will be used as a basis for assessment of payment for additional work that may have to be carried out.

It will be assumed that prices included in these Bill of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to [www.stanza.org](http://www.stanza.org) or [www.iso.org](http://www.iso.org) for information on standards).

Where the Scope of Work requires detailed drawings and designs or other information to be provided, all costs associated therewith are deemed to have been provided for and included in the unit rates and sum amount tendered such items

A price or rate is to be entered against each item in the Bill of Quantities, whether the quantities are stated or not. An item against which no price is entered will be considered to be covered by the other prices or rates in the Bill of Quantities and recorded as zero. A single lump sum will apply should a number of items be grouped together for pricing purposes.

Except where rates only are required, the Tenderer shall insert all amounts to be included in his total tendered price in the "Amount" column and show the corresponding total tendered price

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The units of measurement described in these Bills of Quantities are metric units. Abbreviations used in the Bills of Quantities are as follows:

Ha	=	hectare
h	=	hour
kℓ	=	kilolitre
kg	=	kilogram
km	=	kilometre
kW	=	kilowatt
km-pass	=	kilometre pass
MN	=	Mega Newton
kPa	=	kilopascal
MN.m	=	Mega Newton- metre
ℓ	=	litre
%	=	percentage
m	=	metre
PC Sum	=	Prime Cost Sum
mm	=	millimetre
P Sum	=	Provisional Sum
PS/m	=	Provisional Sum per month
PS/d	=	Provisional Sum per day
Sum/wd	=	Sum per working day
m <sup>2</sup>	=	square metre
No.	=	number
m <sup>2</sup> .	=	pass =square metre-pass
R/Only	=	Rate Only
m <sup>3</sup>	=	cubic metre
Sum	=	lump sum
m <sup>3</sup> .km	=	cubic metre-kilometre
t	=	ton (1 000 kg)
MPa	=	Mega Pascal
W/day	=	Work day
%	=	percentage
mth	=	month

**NOTE:** The schedule of quantities shall be completed in **BLACK INK**.

3. For the purpose of these Bills of Quantities, the following words shall have the meanings hereby assigned to them:

Unit:	The unit of measurement for each item of work as defined in the SANS 1200 Standard Specification.
Quantity:	The number of units of work for each item.
Rate:	The agreed payment per unit of measurement.
Amount:	The product of the quantity and the agreed rate for an item.
Lump sum:	An agreed amount for an item, the extent of which is described in the Bills of Quantities but the quantity of work of which is not measured in any units.

4. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.

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## BILL 01 : PRELIMINARY AND GENERAL

## SECTION 1 : PRELIMINARY AND GENERAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	8.3	<b>FIXED-CHARGE ITEMS</b>				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
	8.3.2	Establish Facilities on the Site :				
		a) Facilities for Engineer (SABS 1200 AB)				
1.1.2	PSAB	Offices: 1 room with 2 desks and 6 chairs, 220V Power, 12000BTU Aircon, WIFI, Dumpy level survey equipment set, Dynamic cone penetrometer	Sum	1		
1.1.3	PSAB	Nameboards	Sum	1		
		b) Facilities for Contractor				
1.1.4		Offices and storage sheds	Sum	1		
1.1.5		Workshops	Sum	1		
1.1.6		Laboratories	Sum	1		
1.1.7		Living accommodation	Sum	1		
1.1.8		Ablution and latrine facilities	Sum	1		
1.1.9		Tools and equipment	Sum	1		
1.1.10		Water supplies, electric power and communications	Sum	1		
1.1.11		Dealing with water (Subclause 5.5)	Sum	1		
1.1.12		Access (Subclause 5.8)	Sum	1		
1.1.13		Plant	Sum	1		
1.1.14	8.3.3	Other fixed-charge obligations	Sum	1		
1.1.15		Survey & setting out of the entire works by a land surveyor	Sum	1		
1.1.16	8.3.4	Remove Engineer's and Contractor's Site establishment on completion	Sum	1		
1.1.17	PA	All work to ensure compliance with the provisions of the OSH Act 85 of 1993 and latest Regulations . This item shall include all costs to provide a safety plan and file.	Sum	1		
1.1.18	PB	All work to ensure compliance with the provisions of the Environmental Management Plan.	Sum	1		
1.2	8.4	<b>TIME-RELATED ITEMS</b>				
1.2.1	8.4.1	Contractual Requirements	Sum	1		
	8.4.2	Operate and maintain facilities on the Site:				
	8.4.2.1	a) Facilities for Engineer for duration of construction (SABS 1200 AB)				
1.2.2	PSAB	Offices: 1 room with 2 desks and 6 chairs, 220V Power, 12000BTU Aircon, WIFI, Dumpy level survey equipment set, Dynamic cone penetrometer	Sum	1		
1.2.3	PSAB	Nameboards	Sum	1		
	8.4.2.2	b) Facilities for Contractor for duration of construction, except where otherwise stated				
CARRIED FORWARD						



## BILL 01 : PRELIMINARY AND GENERAL

## SECTION 1 : PRELIMINARY AND GENERAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
1.2.4		Offices and storage sheds	Sum	1		
1.2.5		Workshops	Sum	1		
1.2.6		Laboratories	Sum	1		
1.2.7		Living accommodation	Sum	1		
1.2.8		Ablution and latrine facilities	Sum	1		
1.2.9		Tools and equipment	Sum	1		
1.2.10		Water supplies, electric power and communications	Sum	1		
1.2.11		Dealing with water (Subclause 5.5)	Sum	1		
1.2.12		Access (Subclause 5.8)	Sum	1		
1.2.13		Plant	Sum	1		
1.2.14	8.4.3	Supervision	Sum	1		
1.2.15	8.4.4	Company and head office overhead costs	Sum	1		
1.2.16	8.4.5	Other time-related obligations	Sum	1		
1.2.17	PA	All work to ensure compliance with the provisions of the OSH Act 85 of 1993 and latest Regulations. This item shall include all costs to provide a safety plan and file including the mentoring thereof, auditing thereof and reporting to the Engineer, on a regular basis.	Sum	1		
1.2.18	PB	All work to ensure compliance with the provisions of the Environmental Management Plan.	Sum	1		
1.3	8.5	SUMS STATED PROVISIONALLY BY ENGINEER				
	8.7	Daywork				
1.3.1		Labour	Sum	1	15 000.00	15 000.00
1.3.2		Percentage adjustment to item 1.4.1 for labour	%	15000		
1.3.3		Materials	Sum	1	20 000.00	20 000.00
1.3.4		Percentage adjustment to item 1.4.3 for materials	%	20000		
1.3.5		Plant	Sum	1	20 000.00	20 000.00
1.3.6		Percentage adjustment to item 1.4.5 for plant	%	20000		
CARRIED FORWARD						

## BILL 01 : PRELIMINARY AND GENERAL

## SECTION 1 : PRELIMINARY AND GENERAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.4		BROUGHT FORWARD TESTING Concrete Test Cubes				
1.4.1		Make, lable, cure and test by independent laboratory, concrete test cubes for duration of contract. All test certificates to be presented to engineer. Only tests that have passed will be paid for.	No	150		
1.5		Soil Density Testing Contractor to allow to perform soil density tests by independent laboratory and make test results availble to engineer.	No	500		
1.6		COMMUNITY LIASION OFFICER Allowance for R80 000 for CLO reimbursement.	PC	1	80 000.00	80 000.00
1.6.1		Contractor's profit mark-up and attendance.	%	80000		
1.7		RESIDENT ENGINEER / CLERK OF WORKS Provide a provisional sum for the payment of Professional Engineer's Fee: Construction Monitoring plus Resident Engineer Cost including Site Accommodation: R650 000.00	PC	1	650 000.00	650 000.00
1.7.1		Contractor's profit mark-up and attendance.	%	650000		
1.8		HEALTH AND SAFETY Provide the provisional sum for the payment of Health and Safety Audits by the Health and Safety Practitioner appointed by the Client: R 200 000.00	PC	1	200 000.00	200 000.00
1.8.1		Contractor's overheads, charges, attendance and profit on item above: %	%	200000		
1.9		ENVIRONMENTAL ASSESSMENTS Provide the provisional sum for the payment of Environmental Audits by the Environmental Controller appointed by the Client: R 100 000.00	PC	1	100 000.00	100 000.00
1.9.1		Contractor's overheads, charges, attendance and profit on item above: %	%	100000		
CARRIED FORWARD						

## BILL 01 : PRELIMINARY AND GENERAL

## SECTION 1 : PRELIMINARY AND GENERAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.10		BROUGHT FORWARD LAND SURVEYING Provide the provisional sum for the payment of Professional Surveyor appointed by the Principal Consultant to confirm the contractors surveying: R 75 000.00	PC	1	75 000.00	75 000.00
1.10.1		Contractor's overheads, charges, attendance and profit on item above: %	%	75000		
1.11		TRAINING Provisional Sum for Community Training Specialist Training Consultant: R 100 000.00	PC	1	100 000.00	100 000.00
1.11.1		Contractor's overheads, charges, attendance and profit on item above: %	%	100000		
1.12		IN-SERVICES TRAINING STUDENT Provisional Sum for emplyment of an In-Services Student: R 150 000.00	PC	1	150 000.00	150 000.00
1.12.1		Contractor's overheads, charges, attendance and profit on item above: %	%	150000		
1.13		COMMUNITY ENGAGEMENT Provisional Sum for client community engagement during construction stage of the project: R125 000.00	PC	1	125 000.00	125 000.00
1.13.1		Contractor's overheads, charges, attendance and profit on item above: %	%	125000		
1.14		COMMUNITY AWARENESS Provisional Sum for client community awareness during construction stage of the project: R125 000.00	PC	1	125 000.00	125 000.00
1.14.1		Contractor's overheads, charges, attendance and profit on item above: %	%	125000		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 1 : EARTHWORKS (FIELD A)**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	SABS 1200 C	<b>EARTHWORKS (FIELD A)</b>				
1.1.1	8.2.1	CLEAR SITE				
		Clear and grub Site (Care should be taken to clear only over the work areas, and NOT the entire site. Study environmental report.)	Ha	2.3		
	8.2.2	Contractor to conduct own site assessment for quantity purposes for: Remove and grub large trees and tree stumps of girth Over and up to				
1.1.2		1 m 2 m	No	1		
1.1.3		2 m 3 m	No	1		
1.1.4	8.2.9	Cart materials and debris to unspecified sites and dump.	Sum	1		
1.2		<b>EARTHWORKS (PLATFORMS)</b>				
	8.3.4	Cut to fill				
1.2.1		Construct Cut to Fill Platforms and compact to 93 % mod. AASHTO maximum density, withing 0.5 km freehaul.	m³	6000		
	8.3.4	Cut to Stockpile				
1.2.2		Topsoil: Cut to 'on-site' Stockpile location, within 0.5km freehaul	m³	2860		
1.2.3		General: Cut to 'on-site' Stockpile location, within 0.5km freehaul	m³	5650		
	8.3.6	Extra-over items 1.2.1 to 1.2.3 inclusive for excavating and breaking down material in:				
1.2.4		Intermediate excavation (LI)	m³	1100		
1.2.5		Hard excavation	m³	350		
1.2.6		Boulder excavation Class A	m³	200		
	8.3.7	Cut to spoil from				
1.2.7		Soft excavation	m³	50		
1.2.8		Intermediate excavation	m³	50		
1.2.9		Hard excavation	m³	50		
1.2.10		Boulder excavation Class A	m³	50		
	8.3.12	<b>OVERHAUL</b>				
1.2.11		Extra-over item 1.2.4 to 1.2.10 for hauling material in excess of the haul of 1,0 km	m³.km	1000		
	8.3.4	<b>IMPORT MATERIAL</b>				
1.2.12		To complete terraces : from borrow pits	m³	50		Rate Only
1.2.13		To complete terraces : from commercial sources (Prov)	m³	50		Rate Only
1.2.14		Opening up and closing down of designated borrow pit	Sum	1		Rate Only
1.2.15		Deal with overburden	m³	10		Rate Only
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 1 : EARTHWORKS (FIELD A)**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.2.16		BROUGHT FORWARD MISCELLANEOUS Construct Stormwater Earth Berms from excavated material, as per details on drawing.	m	400		
1.2.17	8.3.10	FINISHINGS Topsoiling, 75mm thick to embankments etc	m²	9000		
1.2.18	8.3.11	Grassing to Embankments - Instant lawn. (Packed in checkerboard pattern and watered for 10 days)	m²	4500		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 2 : CIVIL WORKS: FINISHES (FIELD A)**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1	SABS 1200 C	CIVIL WORKS: FINISHES (FIELD A) EARTHWORKS				
2.1.1	8.3.4	IMPORT MATERIAL  Granular (River Sand) Material, 50mm thick, placed as drainage layer over entire Field A : from commercial sources (Prov)	m³	730		
2.1.2	8.3.10	FINISHINGS Topsoiling, 100mm thick, lightly compacted and levelled to design levels / smooth finish: from Stockpile on site	m²	10000		
2.1.3	8.3.10	Topsoiling, 100mm thick, lightly compacted and levelled to design levels / smooth finish: from Commercial Source	m²	300		
2.2		SUBSOIL DRAINAGE & IRRIGATION SYSTEM  SUB-SOIL DRAINAGE  Install pitch drainage system, co-ordinated with irrigation pipe network (same trench). Refer to detailed drawing, for:				
2.2.1		Sub soil drain trenching excavations. (measured elsewhere under irrigation pipeline)	m³	770		Rate Only
2.2.2		19mm Stone filling	m³	100		
2.2.3		110mm 'Marley-LANDRAIN' perforated pipe or similar approved.	m	800		
2.2.4		110mm PVC Bends/Tee's, etc	no	5		
2.2.5		110mm PVC Discharge piping (solid wall) into headwall	m	24		
2.3		IRRIGATION SYSTEM  Design by Specialist:				
2.3.1		Allow an amount or R25 000 for design by irrigation expert / specialist	Sum	1		
2.3.2		E.O for Contractor's mark-up and attendance	%	25000		
2.3.3		Supply and Install pitch irrigation system, co-ordinated with sub soil drainage pipe network (same trench). Refer to concept drawing, for:  Allow for surveying / pegging / setting out of pipeline route and INVERT LEVELS.	m	800		
	8.3.2 (a)	PIPE TRENCHING: Min. 400mm wide trench - Machine / hand excavate in all materials for pipeline trenches, backfill, compact and dispose of surplus material for the following depths as per plan.				
2.3.4		Excavations of 0.0m - 1.0m	m	400		
2.3.4		Excavations of 1.0m - 1.6m	m	400		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 2 : CIVIL WORKS: FINISHES (FIELD A)**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	8.2.2	BROUGHT FORWARD				
		PIPES: Supply, lay, and bed Class A bedding joint, incl cut pipes to length where required, test and disinfect:  High Density Polyethylene Piping (HDPE) Manufacture & Certified to SABS ISO 4427 for PE100 type piping.				
2.3.5		110mm HDPE PN10 SDR 17 (Scours - Supplied in 50m Coils)	m	600		
2.3.6		63mm HDPE PN10 SDR 17 (Scours - Supplied in 100m Coils)	m	200		
2.3.7		50mm HDPE PN10 SDR 17 (Scours - Supplied in 100m Coils)	m	100		
		Compression Fittings - 16 Bar rated or similar approved e.g Magnum' / 'Plasson' / 'Philmac' / 'Unidelta' / Alprene-polyEasy'				
2.3.8		110mm Coupling	No	10		
2.3.9		110mm Equal Tee	No	2		
2.3.10		110mm x 2" Saddle	No	40		
2.3.11		110mm x 3/4" Saddle	No	10		
2.3.12		110mm x 4" Flange Adapter	No	2		
2.3.13		63mm Coupling	No	12		
2.3.14		63mm Equal Tee	No	2		
2.3.15		63mm x 2" Flange Adapter	No	2		
2.3.16		63mm x 2" Male Adapter	No	2		
2.3.17		63mm x 1" Saddle	No	30		
2.3.18		50mm Coupling	No	2		
2.3.19		50mm Equal Tee	No	2		
2.3.20		50mm x 2" Male Adapter	No	2		
2.3.21		50mm x 2" Flange Adapter	No	4		
2.3.22		50mm x 1" Saddle	No	2		
		IRRIGATION FITTINGS & SPECIALS (Refer to Drawings: 23-017-M-04-07)				
2.3.23		Rotor pop-up sprinkler - 'Rainbird Falcon 6504 FC-SS-NP or similar approved, complete with adjustable connection arm pipework and fittings for connection onto feeder line (50mm HDPE)	No	165		Rate Only
2.3.24		Dragline Hoses and moveable sprinklers by Irrigation Specialist: R80 000	Sum	1	80 000.00	80 000.00
2.3.24		E.O for Contractors Mark-up and Attendance.	%	80000		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 2 : CIVIL WORKS: FINISHES (FIELD A)**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.3.25		BROUGHT FORWARD  Irrigation Gate valve installation complete. Refer to drawing 23-017-M-04-07, for the following: <ul style="list-style-type: none"> <li>• 2" Brass Gate Valve;</li> <li>• 2 x 50x2" Male adapters (compression)</li> <li>• PVC Valve Box cover, with lockable lid, and 160mm Ø PVC sleeve pipe.</li> <li>• 300mm Concrete apron surround</li> </ul>	No	30		
2.3.26		MARKERS: Supply and Install concrete water line markers.	No	15		
2.4		GRASSING <ul style="list-style-type: none"> <li>• Rate for grassing will include source supply, transport, deliver, installation and watering of grassing.</li> <li>• The preparation, laying and watering of the grassing is a delicate operation that requires proper planning and co-ordination from the contractor and his specialist suppliers.</li> <li>• The input from specialist grassing suppliers / installers will / may be required, by inexperienced contractor.</li> <li>• As a minimum, the contractor shall plant the grass at the onset of the raining season and water all grass initially for 12 consecutive days, each day at an irrigation rate of min. 10mm per day. Thereafter twice weekly at 15mm per cycle, until the grass has established and is growing.</li> <li>• Irrigation water by municipal source and or local borehole is not guaranteed. In such even the contractor shall supply water for irrigation from commercial source.</li> <li>• The instant lawn sods shall be placed level and to a smooth and even surface. Light rolling may be required.</li> </ul>				
2.4.1	8.3.11	Grassing: Supply, deliver and place and establish, instant lawn grass type Kikuyu / Berea (LM Grass), and lightly roll to even surface.	m²	10500		
2.4.2	8.3.11	Grassing Athletic's track: Supply, deliver and place and establish, fine textured, instant lawn grass type Cynodon Hybrid (Kweek Grass), and lightly roll to even surface.	m²	4100		
2.4.3		Top dressing: After 60 days, when the grass is established, supply, spread and level-out surface indentations with a topsoil / topdressing layer to enhance the overall health and appearance of the grass	m²	14600		
2.5	SABS 1200 MK	TRACK & FIELD KERB MARKERS				
	8.2.2	CONCRETE KERBING				
	8.2.2	Precast concrete kerbing - Type 'Half round Mini' similar to LG Green (55mm x 165mm), including concrete benching, as detailed drawing				
CARRIED FORWARD						



**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 2 : CIVIL WORKS: FINISHES (FIELD A)**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.6		BROUGHT FORWARD				
2.7		a) Straight & long radius over 20m.	m	920		
2.7.1		INTERNAL SPECTATOR SCREEN FENCE (1800mm high)  The following fence is to be erected as an Internal Screen Fence to demarcate spectators and Sports participants.  "De-fence MID / Smart Fence" or similar approved mesh panels fencing system: Panels Appox 2900mm wide x 1800mm high galvanised & powder coated • 4.0- 4.5mm Horizontal / Vertical wires with aperture size (centres) at 100mm x 50mm panel formation. • Panel reinforced with 'V' formation horizontal recessed bands (rigidity) Interlocking tamperproof fixing system to posts Refer to drawing.	m	500		
2.7.2		E.O for Spike toppings (Tiger Security Spike) supplied and installed along fence top perimeter.  FENCE POSTS	m	500		Rate Only
2.7.3		Supply and install: Posts - 2.4m long, 60mm x 60mm x 2mm Tube, galvanised & powder coated, complete with PVC post.  CONCRETE	No	173		
2.7.4		20Mpa Concrete to post bases: 400 x 400 x 600mm deep. Top of concrete base to be 50mm above natural ground level.	No	173		
2.7.5		20Mpa Concrete gate rail beam 300 x 300mm x deep. Top of concrete to be 50mm above natural ground level.  GATES	m	14		
2.7.6		Access Gate  Supply and install, 1500mm wide single pedestrian / access gate, manufactured from 60mm Sq Tubing, Mesh panelling. Complete with Gate posts and vandal resistant lockset. All galvanised and powder coated.	No	2		
2.7.7		Supply and install, 4.4m wide Sliding Vehicle access gate, manufactured from 60mm Sq Tubing, Mesh panelling. Complete with Gate posts and vandal resistant lockset. All galvanised and powder coated.	No	1		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 3 : CIVILS: STORMWATER**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1	1200 DA	EARTHWORKS (SMALL WORKS)				
	8.3.2	Restricted excavation. Excavate for foundations and culverts in all materials and backfill or place in embankment or dispose for:				
3.1.1		Storm water structures	m <sup>3</sup>	80		
		Extra-over items 3.1.1 for excavation in:				
3.1.2		Intermediate material	m <sup>3</sup>	15		
3.2	SABS 1200 GA	CONCRETE V-DRAINS & CHANNELS				
	8.2	FORMWORK				
3.2.1	8.2.3	Vertical narrow widths (up to 150mm wide)	m	150		
	8.1.2	REINFORCEMENT				
	8.3.2	High-tensile welded mesh reinforcement				
3.2.2	8.3.2	High-tensile welded mesh ref 193.	m <sup>2</sup>	200		
	8.4	CONCRETE				
3.2.3	8.4.3	Supply and cast Strength concrete, Grade 25Mpa / 19mm for general works.	m <sup>3</sup>	15		
	8.4.4	UNFORMED SURFACE FINISHES				
3.2.4		Wood-floated	m <sup>2</sup>	150		
	8.5	JOINTS				
3.2.5		Construction joints (Saw-cut)	m	70		
3.3	SABS 1200 LE	STORMWATER DRAINAGE				
	1200 DB	EXCAVATION				
	8.3.2(a)	Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for pipes: Over 350 up to 500 mm diam. for total trench depth: Exceeding but not exceeding				
3.3.1		0,0 m 1,0 m	m	10		
3.3.2		1,0 m 2,0 m	m	250		
3.3.3		2,0 m 3,0 m	m	50		
	8.3.2(b)	Extra-over items 3.3.1 to 3.3.3 incl. for (prov):				
3.3.4		Intermediate excavation	m <sup>3</sup>	100		
3.3.5		Hard rock excavation	m <sup>3</sup>	10		
3.3.6	8.3.2(c)	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m <sup>3</sup>	5		
	8.2.1	HDPE PIPE: Supply, handle, cut, excavate, lay and backfill, bed Structured Wall HDPE Spiral Pipe, 450mm diameter with ring stiffness of 8 kN/m <sup>2</sup> .				
3.3.7		a) 450 mm diameter	m	300		
CARRIED FORWARD						

Rate Only

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 3 : CIVILS: STORMWATER**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
		E.O for joint welding or rubber lined steel couplings for jointing as required for 300m installation.	sum	1		
3.3.7	8.2.1	PRE-CAST PIPE: Supply, handle, cut, excavate, lay and backfill, bed Class 100D pre-cast concrete, socket and spigot joint pipe. Including rubbers.				
		a) 450 mm diameter	m	273		Rate Only
3.3.8	8.2.8	JUNCTION BOX Ref to drawing details and construct complete with earth works, brick work, concrete, covers, frames ext.				
		a) Storm water junction box to 450dia pipe, as per drawing detail: Storm water junction boxes up to 2.5 m deep	No.	1		Rate Only
3.3.9	8.2.8	STORM WATER HEAD WALL Ref to drawing details and Construct Storm water head wall complete with brick work, concrete work and earth works to:				
		450dia concrete pipe headwall as per drawing.	No.	2		
3.3.10	8.2.8	STORM WATER CATCHPIT Ref to drawing details and Construct Storm catchpit complete with brick work, concrete work (floor slab and benching) and earth works to:				
		450dia concrete pipe Catchpit, as per drawing.	No.	8		
3.3.11	8.2.8	STORM WATER SHUTE Construct complete with inlet, outlet headwall, shute and earth works as per drawing.				
		a) Storm water concrete shute with shute up to 100mm thick x 1.2m wide, with reinforcing mesh ref. 245,	m <sup>2</sup>	40		
3.3.12	8.2.8	STORM WATER ATTENUATION STRUCTURE Ref to drawing details and Construct Storm Attenuation Structure complete with: • Brick work, • Concrete work (floor slab and benching) and • Compacted Earth works embankments, (No lining) to:				
		Construct Storm Attenuation Structure complete. Refer to detailed drawing.	No	2		
3.3.13	8.2.11	MISCELLANEOUS Supply all materials and construct 15 MPa Anchors, encasements and shutes for pipes including excavation and shuttering	m <sup>3</sup>	5		
3.4	SABS 1200 LB	BEDDING				
CARRIED FORWARD						

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
		Available from trench within 0,5 km (Subclause 7.2)				
3.4.1	8.2.1	a) Selected granular bedding material	m³	200		
3.4.2		b) Selected fill blanket material	m³	60		
		Imported from				
	8.2.2.3	c) Commercial sources (Provisional)				
3.4.3		1) Selected granular material	m³	15		
3.4.4		2) Selected fill material	m³	15		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**  
**SECTION 4 : MISCELLANEOUS: EQUIPMENT & FIXTURES**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		MISCELLANEOUS: EQUIPMENT FIXTURES				
		Refer to detailed Drawings provided, and supply / manufacture and installation for:				
4.1		Rugby / Soccer Combination Goal Posts, manufactured from steel and painted.	No	2		
4.1		Soccer Goal Posts, manufactured from steel and painted.	No	2		
4.1		Hockey Goal Boks, manufactured from steel and painted.	No	2		
4.1.1		E.O Concrete bases	m³	4		
		Lawn Mower				
4.2		John Deere - S180 • 24 hp V-Twin ELS engine • 54" Edge™ Mower Deck • Heavy-duty hydrostatic transmission	No	1		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 1 : EARTHWORKS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		Excavate by hand in earth not exceeding 1500mm deep: Foundation Trenches & Pit	m <sup>3</sup>	97		
1.2		Extra-over items for excavation in: Intermediate material	m <sup>3</sup>	17		
1.3		Hard rock material	m <sup>3</sup>	6		
1.4		Keep excavations free of water: Keep excavations free of water.	Item	1		
1.5		Filling etc. Earth filling obtained from the excavations and / or stock piles on site, compacted to 93% Mod. AASHTO density, unless otherwise described: Under solid floors, foundation trenches, steps, etc.	m <sup>3</sup>	40		
1.6		IMPORT MATERIAL - Earth filling, supplied from commercial source (Type G6/G7), compacted to 93% Mod. AASHTO density unless otherwise described: Under solid floors, steps, etc.	m <sup>3</sup>	5		
1.7		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density: In a layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	1		
1.8		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years: Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	93		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 2 : CONCRETE, FORMWORK AND REINFORCEMENT

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		CONCRETE Concrete : 15MPa/13mm Blinding, 40mm thick concrete to: Foundation Blinding	m <sup>2</sup>	58		
2.2		Concrete Surface Beds: 20MPa / 19mm concrete in: 85mm Thick, with mesh ref. 245 (mesh measured elsewhere) with U2 (wood) finish to take tiles / carpets etc - no screeds, to: Surface Bed	m <sup>2</sup>	24		
2.3		85mm Thick concrete external slab panels, slightly sloping, with mesh ref. 193 (mesh measured elsewhere) finished with U2 (wood) finish to smooth and even surface, for: Surface Bed - Walkways	m <sup>2</sup>	40		
2.4		Reinforced Concrete: 25 MPa / 19 concrete in: Foundations - Ablution (incl Pit B/S)	m <sup>3</sup>	14.5		
2.5		Structural Concrete: 30 MPa / 19 concrete in: Veranda Concrete Stub Footings	m <sup>3</sup>	2.5		Rate Only
2.6		Structural Concrete: 30 MPa / 19 concrete in: Reinforced concrete pit cover slab with U2 (wood) finish	m <sup>3</sup>	3		
2.7		FORMWORK Ablution Pit Cover Slab Temporary propping (only) to underside of prestressed concrete planks over pit.	m <sup>2</sup>	32		
2.8		Galvanised corrugated iron sheeting as permanent shuttering.	m <sup>2</sup>	32		
2.9		Veranda Concrete Stub footings - Sides etc Smooth, vertical sides	m <sup>2</sup>	0		
2.10		General Concrete Slabs Smooth horizontal plane for soffit to R/C roof slab.	m <sup>2</sup>	6.5		
2.11		REINFORCEMENT High-tensile steel bars Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.	kg	100		
2.12		High-tensile welded mesh reinforcement Type reference 193 in standard sheets	m <sup>2</sup>	150		
2.13		Type reference 395 in standard sheets - Ablution cover slab.	m <sup>2</sup>	78		
		JOINTS				
CARRIED FORWARD						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 2 : CONCRETE, FORMWORK AND REINFORCEMENT

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.14		BROUGHT FORWARD Movement Joints Expansion joint filled in with bitumen impregnated fibre board between vertical concrete and brick surfaces: 10mm Vertical joints in masonry work.	m	13.5		Rate Only
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						



## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 3 : PRE-CAST CONCRETE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		PRE-STRESSED CONCRETE PLANKS fabricated beams including bedding bearing ends in cement mortar for:  140-160mm wide x 60-70mm thick Pre- Stressed 50Mpa concrete planks (not lintels) Complete with Pre-stressing wire: 6 x 4.0mm 'Von Moos' 1700 MPA or similar approved.	m	67		
3.2		Standard prestressed fabricated lintels including bedding bearing ends in cement mortar and propping as necessary:  102 x 70mm Lintels in lengths not exceeding 3500mm (Prov.)	m	8		
3.3		Pre-cast Products  Pre-cast concrete gulley surround	No	1		
3.4		'Winblok' pre-cast modular concrete window surrounds, built-in, to manufacturer's specifications:  600 x 600mm, WB66, 260mm deep	No	18		
3.5		E.O, supply and fit 600 x 600mm Winblok Nest Screen WB66-NS, using concrete epoxy adhesive, bonded to Struck Face of Winblok Concrete Surround, on external face of building, left untreated. All as per suppliers specifications.	No	12		
3.6		E.O supply and fit 600 x 600mm 'Wingrid' precast window insert. Using concrete epoxy adhesive, bonded to Face of Winblok Concrete Surround, on Internal face of building, left untreated. All as per suppliers specifications.	No	6		
3.7		Pre- Cast Table and Benches (Supply deliver and install / mount)  Pr-cast Concrete Table type "Vendor Table 1" by LG Green or similar, 840mm(W) x 2100mm (L) x 1050mm (H), or similar approved.	No	4		
3.8		Pr-cast Concrete Bench: 500mm(W) x 1600mm (L) x 500mm (H), or similar approved.	No	8		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 4 : MASONRY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Masonry Brickwork to consist of SABS approved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
		<b>Foundation Brickwork</b>				
4.1		220mm Foundation walls (NFX)	m <sup>2</sup>	40		
4.2		350mm Foundation walls (NFX)	m <sup>2</sup>	30		
		Welded mesh brick reinforcement built horizontally into walls and lintels:				
4.3		75mm Wide reinforcement	m	20		Rate Only
4.4		150mm Wide reinforcement	m	316		
		<b>Super structure brickwork :</b>				
4.5		115mm Wall (NFP)	m <sup>2</sup>	40		
4.6		230mm Wall (NFP)	m <sup>2</sup>	140		
4.7		115mm Beam filling 200mm high extreme.	m <sup>2</sup>	8.2		
		Extra Over brickwork:				
4.8		E.O Item 4.1 - 4.7 for exterior brick skin in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	150		
4.9		E.O For exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m	16		
		<b>Sundries</b>				
		Welded mesh brick reinforcement built horizontally into walls and lintels on each course.				
4.10		75mm Wide reinforcement	m	168		
4.11		150mm Wide reinforcement	m	560		
		Galvanised hoop iron cramps, ties, etc:				
4.12		30 x 1,6mm Roof tie 1500mm long with one end fixed to timber and other end built into brickwork, min. 6 courses or cast onto ring beam..	No	26		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 5 : WATERPROOFING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.1		Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:  In walls	m	42		
5.2		One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:  Surface Bed	m <sup>2</sup>	80		
5.3		Flashings etc. (Provisional) Sika Sealoflex or similar approved flexible acrylic waterproofing flashings applied in strict accordance with the manufacturer's requirements:  Joint sealants: Sikaflex 1A or similar approved polyurethane sealing compound including backing cord, bond breaker, primer, etc:  10 x 10mm In expansion joints in floors. (Prov.)	m	9.7		Rate Only
5.4		10 x 10mm In expansion joints vertically between brickwork.	m	13		
5.5		Waterproof emulsion between brick skins in exterior 230mm walls to lintel level of highest door.  Brixeal' or similar approved waterproof emulsion, applied to bagwashed interior skin of brickwork.	m <sup>2</sup>	135		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 6 : ROOF COVERINGS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.1		Chromadek' or similar IBR profiled roof sheeting and accessories fixed to timber purlins in accordance with the manufacturer's specifications: 0.58mm 'Chromadek' IBR roof sheeting with 20 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	77		Rate Only
6.2		0.58mm 'Chromadek' IBR Veranda sheeting with 5 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	40		
6.3		Chromadek' or similar ridge capping to match roof sheeting including closure plates with polyclosers to manufacturer's specifications.	m	20		
6.4		Roofing Insulation - Supply, deliver to site, erect and fix insulation under sheeting, etc., including the supply of all necessary fasteners, etc.				
6.5		Sisalation: Residential RPP' or similar approved aluminium foil insulation laid taut over purlins and fixed concurrent with roof covering, including laps over purlins .	m <sup>2</sup>	65		
6.6		40mm Chicken mesh or similar suspension pulled taught over purlins to take insulation as measured above. WIND TURBINES / EXTRACTORS 300mm Dia. 'Whirlybird' or similar type turbine ventilator from galvanised construction with adjustable base complete and installed to roof sheeting including flashings etc.	No	1		
6.7		RAINWATER GOODS Continuously rolled aluminium gutters with 'Dark Dolphin' chromadek finish and fixing brackets along roof line.	m	10		
6.8		3.0m Long downpipes to go with guttering.	No	3		
TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 7 : CARPENTRY AND JOINERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Roofs, Structural timber etc. All timber to be min. grade S5				
		Pre-fabricated roof construction, designed & manufactured by specialist. Plate nailed timber roof truss construction formed of sawn softwood with patent galvanised plate nailed connections fixed in position:				
7.1		Gangnail truss, to Ablutions Block as per detailed drawings including all permanent bracing, runners etc.. (wall plates & purlins elsewhere)	Roof	1		
7.2		Issue of TR1 & TR2 Certificate for both roofs	Sum	1		
7.3		76 x 76mm planed tilter batten including fixing with hurricane clips.	m	35		
7.4		76 x 38mm Wall plate	m	31		
7.5		50 x 76mm Purlins including fixing to trusses using hurricane clips.	m	90		
7.6		38x50mm Planed fascia runner fixed to u/s of truss rafter.	m	35		
		Sundries:				
7.7		Allowance for 'Teco' products, nails, bolts e.g Truss hangers, hurrican clips etc.	Sum	1		
7.8		Two coats carbolinium or similar approved on all exposed timber before fixing. (Prov.)	m <sup>2</sup>	30		
		Eaves, verges etc.				
		Everite' high density pressed 'Nutec' or similar cement fascia boards with aluminium H-profile jointing strips screwed to roof timbers with brass screws:				
7.9		10 x 225mm Tempered fascia board.	m	37		
		Solid Meranti Doors & Frames - Manufactured, supplied and installed:				
7.10		D1 - Meranti BB - Square Jointed or similar approved door, 813mm wide x 2032mm high hung to steel frame.	No	6		
7.11		D2 - 813mm wide x 1950mm high Hardboard faced, solid core flush panel door, hung to steel frame.	No	5		
TOTAL FOR SECTION 7 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 8 : CEILINGS, PARTITIONS AND ACCESS FLOORING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.1		Nailed up ceilings 4mm 'Nutec' or similar fibre cement board with H-profile cover strips over joints or similar approved:  Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres in one direction and all header joints and perimeter edges.	m <sup>2</sup>	49		
8.2		Extra over ceiling and branderling for 600 x 600mm trap door and frame and H-profile grid fitted flush in opening including any additional branderling.	No	2		
8.3		Board cornice: 75mm Gypsum plaster board coved cornice	m	31		
TOTAL FOR SECTION 8 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 9 : IRONMONGERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9.1		Door Ironmongery - Supply and install the following door hardware in stainless steel finish to the following: Door D1 - 'Union' - Radius lever CZ 692-24SC with Union 2 lever upright lock 2295 - 78SS.	No	6		
9.2		Door D2 - Union: 111mm Dove cupboard pull handle with bolt through fixing AL5516AS fitted with Union: AL8298AS Aluminium bathroom WC indicator bolt.	No	6		
9.3		40mm Key - alike padlocks Accessories	No	6		
9.4		Door stop Nameplates and symbols:	No	12		
9.5		150 x 150mm White chromadec with red border fire fighting pictogram with red fire fighting arrow, symbol or escape sign. SIGNAGE	No	6		
9.6		0.6m x 1.2m White Chromadec Singage board depicting "MALE Ablution" / "FEMALE Ablution" .. etc with funders logo, complete mounted to building walls Bathroom fittings Rails, etc:	No	2		
9.7		19mm Chromium plated towel rail 600mm long with Solid 260/E40 end brackets	No	4		
9.8		Thief proof toilet roll holder as Natal Ironmongers sample B 1682	No	8		
TOTAL FOR SECTION 9 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 10 : METALWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10.1		Pressed steel galvanised door frames 1,2mm Double rebated steel frame suitable for half-brick wall including building in:  Galvanised Frame for door (D1 & D4) 813mm wide x 2032mm high  Standard aluminium frames in 'Anolock bronze 543 finish. Supply and fit standard, pre-glazed, aluminium Door & Window frames to manufacturer's specification.  'Winblok' Window Inserts: Winvent Aluminium - Central Pivot (WVA66DTT-N4C) in 'Anolock bronze 543 finish, fixed with SPM40SG Neutral-Cure Hybrid Sealant (non-ascetic), into the rebate of the Winblok for:	No	11		
10.2		Central Pivot Frame Unit with factory fitted 4mm Clear Glazing.	No	--		Rate Only
10.3		Central Pivot Frame Unit with factory fitted 4mm Obscure / Stippled Glazing, to Ablutions.	No	6		
10.4		Security Gates: Manufactured, Galvanised & built-in as per details on drawings for:  Security Gate Type G1 - Single Leaf - 880 x 2013mm high.	No	4		
10.5		Security Gate Type G2 - Single Leaf - 980 x 2013mm high.	No	2		
10.6		Manhole Frame & Lid  450 x 600mm Single seal CI manhole frame & lid cast in position.	No	3		
TOTAL FOR SECTION 10 CARRIED FORWARD TO SUMMARY						



## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 11 : PLASTERING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11.1		Cement screeds - Sand / cement finish (3:1) steel trowelled to a smooth polished surface in panels not exceeding 6 m2 on concrete:  25mm Thick on floors and landings (Provisional)	m <sup>2</sup>	5		
11.2		25mm Thick on treads and risers of stairs, kerbs, thresholds, etc. (Provisional)	m <sup>2</sup>	5		
11.3		Plaster, 12mm thick 1:5 Cement plaster finished with steel trowel:  Internal Walls	m <sup>2</sup>	200		
TOTAL FOR SECTION 11 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 12 : FLOOR FINISHES AND WALL TILING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		FLOOR TILING				
		Floor Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m <sup>2</sup> tile cost)				
12.1		Ablution Block - To floors	m <sup>2</sup>	44		
12.2		E.O for tile skirting (cut to 100mm)	m	66		
		Tiling Sundries				
12.3		Metal tile edging to doors etc. (Provisional)	m	4		
		WALL TILING				
		Wall Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m <sup>2</sup> tile cost)				
12.4		Ablution walls	m <sup>2</sup>	30		
TOTAL FOR SECTION 12 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 13 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.1		Atlas Plastics' WC's & wash hand basins or similar approved supplied and fixed to manufacturer's specifications.				
13.1		Atlas Plastics' - 'Thru Pan' (Code 551 AP) or similar toilet pan as approved, mounted over opening in pit cover slab etc.	No	7		
13.2		E.O for above - for Heavy duty Pan seat and flap.	No	7		
13.3		Atlas Plastics' - '6 L Cistern' (522AP) complete with internals for 1 liter fixed volume flush. Including flush pipe and connections etc.	No	7		
13.4		E.O for above - for Remote control push button - 'shires low level duct control mechanism, suitable for 230mm wall.	No	1		Rate Only
13.5		Granite finish 'linear low density polyethylene vandal resistant or similar approved wash hand basin including two semi-concealed galleys brackets and fixed against wall. (Atlas Plastic - Modle 381AP or similar)	No	8		
13.6		Granite finish linear low density polyethylene vandal resistant waterless urinal with curtain valve, self cleaning addicom eco smell stop trap or similar approved.	No	4		
13.7		Supply and install sanitary fittings fixed in position, making all connections and jointing to pipes:				
13.7		Paraplegic WC - 'Vaal Sanitary ware vitreous china Protea' Paraplegic 90° outlet pan and matching 9 litre cistern complete with lid, fitments and purpose-made C.P. side-flush lever.	No	2		
13.8		Paraplegic WHB - White 'Vaal' Wash hand basin to be 'Vaal Sanitary ware Hibiscus' basin or similar approved.	No	2		
13.9		Supply & Fit - Cobra Fittings Valves, taps, etc:				
13.9		½" Chrome plated pillar tap fixed to WHB for Cold water only.	No	6		
13.10		Basin connector hose with 232 angle regulating valve.	No	6		
13.11		Cistern connector hose with 232 angle regulating valve.	No	6		
13.12		Basin waste: 1¼" Chrome plated basin waste with slotted shank, plug chain & stay (code 301-32) from cobra or similar approved.	No	8		
13.13		Basin waste: 1¼" S trap with outlet to 40mm uPVC.	No	8		
13.14		To Paraplegic WHB				
13.14		505-21 1/2" Elbow Action Pillartap, CP finish	No	2		
CARRIED FORWARD						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 13 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
13.15		Cobra' or similar approved Fittings Valves, taps, etc:  Cobra' or similar K 300 B pressure control valve with ballostop shut off valve.	No	1		
13.16		Stainless Steel Products  Paraplegic toilet grab rails: 32 mm stainless steel side grab rail, with 32 mm stainless steel rear grab rail around cistern. Grab rails as supplied by 'Chairman Industries' or similar approved.	Sets	2		
13.17		Cold water plumbing, including all pipes, fittings, connections, testing etc.  Cold water copper pipe plumbing complete to Toilets, Basins. Allow for 15mm copper piping reticulation to sanitary fitting.	Item	1		
13.18		Soil and vent drainage, including all fittings, junctions, couplings and sundry works.  Soil and Vent Sewage plumbing complete for Kitchen & WHB to toilet pits.	Item	1		
13.19		Underground drainage plumbing, including all, fittings, junctions, connections & testing.				
13.20		Underground plumbing inclusive of Rodding, Cleaning & Inspection eyes, bends, junctions, 110mm Sewage piping etc.	m	24		
13.21		Allow for trenching, up to 1.2m deep excavations & backfilling to install underground drainage & plumbing.	m	24		
13.22		E.O for river sand bedding  Sewage Manholes	m <sup>3</sup>	4		
13.23		Construct sewer manholes as per plan, including excavation, concrete base, brickwork, plaster and manhole cover.	No	1		
13.24		Water Supply Connection:  25mm - Brass fullway gate valve	No	1		
		Fire appliances:  4,5 kg Dry chemical powder fire extinguisher mounted to wall with timber backing board.	No	2		
TOTAL FOR SECTION 13 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 14 : GLAZING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.1		Glazing to steel frames including putty and hardner. Clear float glass:  4mm Thick in squares exceeding 0,1 and not exceeding 0,5 square metres to window frames. (Provisional)	m <sup>2</sup>	1		
14.2		Glazing to steel frames including putty and hardner. Patterned (Obscure) glass:  4mm Thick in squares exceeding 0,1 and not exceeding 0,5 square metres to entrance steel door. (Provisional)	m <sup>2</sup>	1		
14.3		6 mm Silvered float glass copper backed mirrors with polished edges and bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork for:  450 x 600mm Mirror to Ablution walls	No	6		
TOTAL FOR SECTION 14 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 15 : PAINTWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.1		On ceiling boards prepare, prime nail heads and paint one coat undercoat / sealer as required and two coats acrylic PVA paint. (Colour : White) on:  Ceilings, cover strips and cornices  On Timber  Prepare and paint one coat undercoat and 2 x coats 'Plascon' or similar approved Velvaglo Enamel. (Colour: White) on:	m <sup>2</sup>	43		
15.2		Solid toilet doors  Three coats "RYSTIX" EXTERIOR ARMADEK, or similar approved solvent sealer with stainer / colourant: Mahogany). Apply first two coats to timber members before fixing and applied to manufacturer's specifications, on:	m <sup>2</sup>	24		
15.3		Timber doors.  On Walls  Prepare and paint 1 x Universal undercoat and 2 x coats 'Plascon' Double Velvet' or similar approved on:	m <sup>2</sup>	24		
15.4		Internal Walls: Colour - To be confirmed / VEL 17 Broken White.	m <sup>2</sup>	170		
TOTAL FOR SECTION 15 CARRIED FORWARD TO SUMMARY						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 16 : ELECTRICAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16.1		Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.  DB completed with Neutral & Earth bars, fitted with min.: • 1 x 63A DP MCB (Mains); • 1 x 63A ELU 30mA; • 2 x 10 A SP MCB (Lights); • 2 x 20A SP MCB (Plugs)  Wiring - Refer to electrical layout on drawing and install, under plaster, with minimal chasing, if at all required:	No	1		
16.2		Lights: 1.5mm <sup>2</sup> , 2 core & earth.	No	10		
16.3		Plugs: 2.5mm <sup>2</sup> , 2 core & earth.	No	1		
16.4		Light Switch - Surface mounted 2x4 light switch with extension box for:  1 or 2 Lever L/Switch, as required.	No	4		
16.5		Plug point - Surface mounted 4x4 double plug with extension box for:  Double Plug Point	No	1		
16.6		Light Fittings (Installed to Ceilings / Exterior masonry)  Rooms: Opal fitting & Lamp - 6 PVC Bowl & Ceramic Lamp holder complete with 5W LED lamp.	No	8		
16.7		Exterior Wall Light: 50W, Amber LED Floodlight (IP65)	No	5		
16.8		Ceiling / Wall mounted LED light - 1500mm T8 LED Double vapour proof linear light (IL65)	No	2		
16.9		Testing & Certificate of Compliance  Testing of installation and Issue CoC by registered Electrician	Complex	1		
16.10		Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.  Main supply cable from main power supply, to include, installation, joining etc. in sleeve (measured elsewhere)  Supply and install main supply cable: 16mm <sup>2</sup> x 3 core (Size to be confirmed)	m	100		
16.11		Allow for trenching excavations, cable marker tape & backfilling to install electrical cable, 600mm deep.  Sleeves, bends etc.  Supply and install sleeves, bends etc. during the building process:	m	100		
16.12		50mm PVC sleeve pipe	m	12		
CARRIED FORWARD						

## BILL 03 : NEW PUBLIC ABLUTIONS

## SECTION 16 : ELECTRICAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16.13		BROUGHT FORWARD				
16.13		50mm PVC long radius bend	No	2		
16.14		75mm PVC sleeve pipe	m	24		Rate Only
16.15		75mm PVC long radius bend	No	6		Rate Only
		LIGHTNING PROTCTION				
		Supply and install complete:				
16.16		20mm PVC conduit, surface mounted to brickwork, concrete, steel, wood etc.	m	10		
16.17		50mm <sup>2</sup> Aluminium alloy conductor complete with conductor guides, expansion loops, etc installed in sleeve and fixed to roof sheeting.	m	20		
16.18		50mm PVS conductor jumpers 500mm long	No	2		
16.19		Steel core reinforced copper spike (rod) 1200 x 166mm diameter and brass couplings with driving cap driven into ground.	No	2		
16.20		Termination including lags, bolts, washers, and nuts.	No	4		
TOTAL FOR SECTION 16 CARRIED FORWARD TO SUMMARY						



## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 1 : EARTHWORKS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		Excavate by hand in earth not exceeding 1500mm deep:				
		Foundation Trenches	m <sup>3</sup>	36		
1.2		Column Bases	m <sup>3</sup>	37		
		Extra-over items for excavation in:				
1.3		Intermediate material	m <sup>3</sup>	5		
1.4		Hard rock material	m <sup>3</sup>	5		
		Keep excavations free of water:				
1.5		Keep excavations free of water.	Item	1		
		Filling etc. Earth filling obtained from the excavations and / or stock piles on site, compacted to 93% Mod. AASHTO density, unless otherwise described:				
1.6		Under solid floors, foundation trenches, steps, etc.	m <sup>3</sup>	42		
		IMPORT MATERIAL - Earth filling, supplied from commercial source (Type G6/G7), compacted to 93% Mod. AASHTO density unless otherwise described:				
1.7		Under solid floors, steps, etc.	m <sup>3</sup>	42		
		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density:				
1.8		In a layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	3.2		
		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years:				
1.9		Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	457		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 2 : CONCRETE, FORMWORK AND REINFORCEMENT

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		CONCRETE				
		Concrete : 15MPa/13mm Blinding, 40mm thick concrete to:				
2.1		Foundation Blinding	m <sup>2</sup>	44		
2.2		Column bases Blinding	m <sup>2</sup>	46		
		Concrete Surface Beds: 20MPa / 19mm concrete in:				
		80mm Thick, with mesh ref. 245 (mesh measured elsewhere) with U2 (wood) finish to take tiles / carpets etc - no screeds, to:				
2.3		Surface Bed	m <sup>2</sup>	103		
		80mm Thick concrete external slab panels, slightly sloping, with mesh ref. 193 (mesh measured elsewhere) finished with U2 (wood) finish to smooth and even surface, for:				
2.4		Surface Bed - Walkways	m <sup>2</sup>	320		
2.5		Concrete Benches	m <sup>2</sup>	7.4		
		Reinforced Concrete: 25 MPa / 19 concrete in:				
2.6		Strip Foundations	m <sup>3</sup>	21		
		Structural Concrete: 30 MPa / 19 concrete in:				
2.7		Concrete Column and Stub Footings	m <sup>3</sup>	20		
		FORMWORK				
		Steel Structure Stub footings - Sides etc				
2.8		Smooth, vertical sides	m <sup>2</sup>	25		
		REINFORCEMENT				
		High-tensile steel bars				
2.9		Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.	t	2.8		
		High-tensile welded mesh reinforcement				
2.10		Type reference 245 in standard sheets	m <sup>2</sup>	480		
		JOINTS				
		Movement Joints				
		Expansion joint filled in with bitumen impregnated fibre board between vertical concrete and brick surfaces:				
2.11		10mm Vertical joints in masonry work.	m	66		Rate Only
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 3 : PRE-CAST CONCRETE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		Standard prestressed fabricated lintels including bedding bearing ends in cement mortar and propping as necessary: 102 x 70mm Lintels in lengths not exceeding 1500mm (Prov.)	m	12		Rate Only
3.2		102 x 70mm Lintels in lengths not exceeding 3500mm (Prov.)	m	5		
3.3		Pre-cast Products Pre-cast concrete gulley surround	No	1		
3.4		'Winblok' pre-cast modular concrete window surrounds, built-in, to manufacturer's specifications: 600 x 600mm, WB66, 260mm deep	No	64		
3.5		E.O, supply and fit 600 x 600mm Winblok Nest Screen WB66-NS, using concrete epoxy adhesive, bonded to Struck Face of Winblok Concrete Surround, on external face of building, left untreated. All as per suppliers specifications.	No	46		
3.6		E.O supply and fit 600 x 600mm 'Wingrid' precast window insert. Using concrete epoxy adhesive, bonded to Face of Winblok Concrete Surround, on Internal face of building, left untreated. All as per suppliers specifications.	No	44		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 4 : MASONRY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Masonry Brickwork to consist of SABS approved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
		<b>Foundation Brickwork</b>				
4.1		115mm Foundation walls (NFX)	m <sup>2</sup>	6		
4.2		230mm Foundation walls (NFX)	m <sup>2</sup>	54		
		Welded mesh brick reinforcement built horizontally into walls and lintels:				
4.3		75mm Wide reinforcement	m	22		
4.4		150mm Wide reinforcement	m	240		
		<b>Super structure brickwork :</b>				
4.5		115mm Wall (NFP)	m <sup>2</sup>	110		
4.6		230mm Wall (NFP)	m <sup>2</sup>	280		
		Extra Over brickwork:				
4.7		E.O Item 4.2 - 4.6 for exterior brick skin in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	280		
4.8		E.O For exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m	4		
4.9		E.O for brick-on-edge roller course over window & door openings	m	4		
		<b>Sundries</b>				
		Welded mesh brick reinforcement built horizontally into walls and lintels on each course.				
4.10		75mm Wide reinforcement	m	520		
4.11		150mm Wide reinforcement	m	1100		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 5 : WATERPROOFING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.1		Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:  In walls	m	130		
5.2		One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:  Surface Bed - Ablution	m <sup>2</sup>	450		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 6 : CARPENTRY AND JOINERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.1		Solid Meranti Doors & Frames - Manufactured, supplied and installed:  D1 - Meranti BB - Square Jointed or similar approved door, 813mm wide x 2032mm high hung to steel frame.	No	4		
6.2		D2 - 813mm wide x 1950mm high Hardboard faced, solid core flush panel door, hung to steel frame.	No	15		
6.3		SIGNAGE  0.6m x 1.2m White Chromadec Singage board depicting "MALE / FEMALE / CHANGE ROOM 1 / 2 " .. etc with funders logo, complete mounted to building walls	No	4		
TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 7 : IRONMONGERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7.1		Door Ironmongery - Supply and install the following door hardware in stainless steel finish to the following: Door D1 & D4 - 'Union' - Radius lever CZ 692-24SC with Union 2 lever upright lock 2295 - 78SS.	No	4		
7.2		Door D2 - Union: 111mm Dove cupboard pull handle with bolt through fixing AL5516AS fitted with Union: AL8298AS Aluminium bathroom WC indicator bolt.	No	15		
7.3		40mm Key - alike padlocks Accessories	No	4		
7.4		Door stop Nameplates and symbols:	No	19		
7.5		150 x 150mm White chromadec with red border fire fighting pictogram with red fire fighting arrow, symbol or escape sign. Bathroom fittings Rails, etc:	No	6		
7.6		19mm Chromium plated towel rail 600mm long with Solid 260/E40 end brackets	No	6		
7.7		Thief proof toilet roll holder as Natal Ironmongers sample B 1682	No	9		
TOTAL FOR SECTION 7 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 8 : METALWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.1		Pressed steel galvanised door frames 1,2mm Double rebated steel frame suitable for half-brick wall including building in:  Galvanised Frame for door (D1, D2, & D4) 813mm wide x 2032mm high  Standard aluminium frames in 'Anolock bronze 543 finish. Supply and fit standard, pre-glazed, aluminium Door & Window frames to manufacturer's specification.  'Winblok' Window Inserts: Winvent Aluminium - Central Pivot (WVA66DTT-N4C) in 'Anolock bronze 543 finish, fixed with SPM40SG Neutral-Cure Hybrid Sealant (non-ascetic), into the rebate of the Winblok for:	No	19		
8.2		Central Pivot Frame Unit with factory fitted 4mm Clear Glazing.	No	20		
8.3		Central Pivot Frame Unit with factory fitted 4mm Obscure / Stippled Glazing, to Ablutions.	No	0		
8.4		Security Gates: Manufactured, Galvanised & built-in as per details on drawings for:  Security Gate Type G1 - Single Leaf - 880 x 2013mm high.	No	6		
8.5		Security Gate Type G2 - Single Leaf - 980 x 2013mm high.	No	--		Rate Only
8.6		Clothing Hangar Brackets  Metal Clothing bracket from 40 x 40mm equal angle, 3m long, fixed to wall with rawl bolts to hold 6 clothing hooks. Contractor to provide shop drawings.	No	8		
8.7		Manhole Frame & Lid  450 x 600mm Single seal CI manhole frame & lid cast in position.	No	2		
8.8		Fence Screens  The following fence is to be erected as an Internal Screen Fence to demarcate spectators and Sports participants.  "De-fence MID / Smart Fence" or similar approved mesh panels fencing system: Panels Appox 2900mm wide x 1800mm high galvanised & powder coated • 4.0- 4.5mm Horizontal / Vertical wires with aperture size (centres) at 100mm x 50mm panel formation. • Panel reinforced with 'V' formation horizontal recessed bands (rigidity) Interlocking tamperproof fixing system to posts Refer to drawing.	m	24		
8.9		E.O for Spike toppings (Housetech Tiger Tooth Wall Spike) supplied and installed along fence top perimeter.  GATES  Refer to Window and Door schedule, and supply manufacture and install, for:	m	24		
CARRIED FORWARD						



BILL 04 : SPECTATOR STRUCTURE & CHANGE ROOMS FOR SOCCER FIELD (WEST)

SECTION 8 : METALWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.10		BROUGHT FORWARD Security Gate Type G4 - Single Leaf - 1900 x 1800mm high.	No	1		
TOTAL FOR SECTION 8 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 9 : PLASTERING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9.1		Cement screeds - Sand / cement finish (3:1) steel trowelled to a smooth polished surface in panels not exceeding 6 m2 on concrete:  25mm Thick on floors and landings (Provisional)	m <sup>2</sup>	5		
9.2		25mm Thick on treads and risers of stairs, kerbs, thresholds, etc. (Provisional)	m <sup>2</sup>	5		
9.3		Plaster, 12mm thick 1:5 Cement plaster finished with steel trowel:  Internal Walls	m <sup>2</sup>	515		
9.4		External Walls & Beams	m <sup>2</sup>	10		Rate Only
TOTAL FOR SECTION 9 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 10 : FLOOR FINISHES AND WALL TILING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		FLOOR TILING				
		Floor Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m <sup>2</sup> tile cost)				
10.1		Ablution Block - To floors	m <sup>2</sup>	103		
10.2		E.O for tile skirting (cut to 100mm)	m	150		
		Tiling Sundries				
10.3		Metal tile edging to doors etc. (Provisional)	m	4		
		WALL TILING				
		Wall Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m <sup>2</sup> tile cost)				
10.4		Ablutions - Shower walls	m <sup>2</sup>	50		
10.5		Ablutions - Splashback	m <sup>2</sup>	30		
TOTAL FOR SECTION 10 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 11 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11.1		Allow a provisional amount, for the client to select/buy sanitary ware & accessories:  Sanitary ware from approved supplier e.g. WC suites, wash hand basins, taps, shower doors etc.	Sum	1	65 000.00	65 000.00
11.1.1		E.O. for above for delivery to site and contractor's profit mark-up.  Extra over to above: Install as per supplier specifications, the following.	%	65000		
11.2		WC (Pan & Cistern)	No	9		
11.3		Wash hand basins	No	8		
11.4		Urinal	No	7		
11.5		General bathroom accessories (Towel rails, roll holders, soap diches, etc)	No	6		
11.6		Hot & Cold water plumbing, including all pipes, fittings, connections, testing etc.  Hot & Cold water copper pipe plumbing complete to Ablutions and Change rooms. Allow for 22mm & 15mm copper piping reticulation to sanitary fitting, installed in walls under plastering.	Item	1		
11.7		200 Litre kwikhot direct solar geyser with direct thermosyphon, close couple, installed on flat roof frame (optional extra) complete with 16 vacuum tubes, including, pressure regulating valve and all required fittings. All installed on conc roof.	No	2		
11.8		Soil and vent drainage, including all fittings, junctions, couplings and sundry works.  Soil and Vent Sewage plumbing complete for Shower & WHB to toilet pits.	Item	1		
11.9		Underground drainage plumbing, including all, fittings, junctions, connections & testing.  Underground plumbing inclusive of Rodding, Cleaning & Inspection eyes, bends, junctions, 110mm Sewage piping etc.	m	25		
11.10		Allow for trenching, up to 1.2m deep excavations & backfilling to install underground drainage & plumbing.	m	25		
11.11		E.O for river sand bedding  Sewage Manholes	m <sup>3</sup>	25		
11.12		Construct sewer manholes as per plan, including excavation, concrete base, brickwork, plaster and manhole cover.	No	2		
CARRIED FORWARD						

BILL 04 : SPECTATOR STRUCTURE & CHANGE ROOMS FOR SOCCER FIELD (WEST)

SECTION 11 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11.13		BROUGHT FORWARD Water Supply Connection: 25mm - Brass fullway gate valve	No	1		
11.14		Fire appliances: 4,5 kg Dry chemical powder fire extinguisher mounted to wall with timber backing board.	No	2		
TOTAL FOR SECTION 11 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 12 : GLAZING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.1		Glazing to steel frames including putty and hardner. Clear float glass:  4mm Thick in squares exceeding 0,1 and not exceeding 0,5 square metres to window frames. (Provisional)	m <sup>2</sup>	1		
12.2		Glazing to steel frames including putty and hardner. Patterned (Obscure) glass:  4mm Thick in squares cut into small "tiles" and fittec the Wingrid.	m <sup>2</sup>	8		
12.3		6 mm Silvered float glass copper backed mirrors with polished edges and bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork for:  450 x 600mm Mirror to walls.	No	8		
TOTAL FOR SECTION 12 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 13 : PAINTWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.1		On Timber  Prepare and paint one coat undercoat and 2 x coats 'Plascon' or similar approved Velvaglo Enamel. (Colour: White) on:  Solid toilet doors	m <sup>2</sup>	53		
13.2		Three coats "RYSTIX" EXTERIOR ARMADEK, or similar approved solvent sealer with stainer / colourant: Mahogany). Apply first two coats to timber members before fixing and applied to manufacturer's specifications, on:  Timber doors.	m <sup>2</sup>	14		
13.3		On Walls  Prepare and paint 1 x Universal undercoat and 2 x coats 'Plascon' Double Velvet' or similar approved on:  Internal Walls: Colour - To be confirmed / VEL 17 Broken White.	m <sup>2</sup>	515		
TOTAL FOR SECTION 13 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 14 : STRUCTURAL STEELWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.1		SUPPLY AND FABRICATION				
14.1.1		Preparation of shop detail drawings	t	26		
		Supply and fabrication of steelwork complete with all the necessary cleats, brackets, gussets, packs, etc., as follows:				
		a) Using steel to SABS 1431 Grade 350WA or Grade EN 10025-2-S355JR.				
		Columns:				
14.1.2		152 x 152 x 23 H-Section	kg	3387		
14.1.3		254 x 146 x 31 I-Section	kg	1892		
14.1.4		PFC 180 x 70	kg	711		
14.1.5		IPE 140	kg	2968		
		Roof Rafters, Beams & Purlins:				
14.1.6		305 x 133 x 25 Cellular (holes) I-Section Rafter	kg	2259		
14.1.7		381 x 146 x 31 Cellular (holes) I-Section Roof Girder	kg	1002		
14.1.8		40 x 40 x 3mm Equal angle purlin (under seat cladding bottom)	kg	166		
14.1.9		40 x 40 x 3mm Equal angle purlin (under seat cladding top)	kg	188		
14.1.10		50 x 50 x 5mm Equal angle (False Rafter to CFLC overhang)	kg	162		
14.1.10		50 x 50 x 6mm Equal angle (seat support)	kg	1337		
14.1.11		125 x 75 x 20 x 2.5 CFLC Purlin(Predrilled & Galvanised)	kg	1223		
14.1.12		125 x 75 x 20 x 2.5 CFLC Purlin Side Cladding (Predrilled & Galvanised)	kg	611		
14.1.13		150 x 50 x 20 x 2.5 CFLC Seating	kg	6838		
14.1.14		100 x 50 x 20 x 2.5 CFLC Seating	kg	147		
14.1.15		80 x 80 x 6mm Equal angle Cross bracing	kg	284		
14.1.16		80 x 80 x 6mm Equal angle Horizontal bracing	kg	242		
14.1.17		80 x 80 x 6mm Equal angle Knee bracing	kg	332		
		Cleats				
14.1.18		90 x 65 x 6mm Unequal angle cleats (purlins)	kg	64		
14.1.19		90 x 65 x 6mm Unequal angle cleats (side cladding)	kg	32		
14.1.20		50 x 50 x 5mm Equal angle cleats under seats	kg	23		
14.1.21		80 x 80 x 6mm Equal angle cleat for girder	kg	38		
14.1.22		90 x 65 x 6mm Unequal angle shoe under rafter	kg	55		
		End Plates / Base plates				
CARRIED FORWARD						



## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 14 : STRUCTURAL STEELWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.1.23		BROUGHT FORWARD Various Sizes / Thicknesses - Cut, drilled and welded onto columns and rafters	kg	525		
14.2	SABS 1200 HA	PAINTED STEEL STANCHION AND HANDRAILS TO BE CASTED INTO CONCRETE WALKWAYS AND STAIRS				
	8.3.7	Handrailing as shown on Drawing				
		Rails:				
14.2.1		Handrails	m	35		
14.2.2		Kneerails	m	35		
		Stanchions:				
14.2.3		Top Mounted	No.	40		
		Bends and end closures:				
14.2.4		90° bends	No.	8		
14.2.5		90° end closure	No.	16		
		Accessories:				
14.2.6		Ferrules	No.	16		
14.2.7		Pins	No.	16		
14.2.8		HD bolts	No	80		
		Expanded Metal Screen - Handrail Inserts				
14.2.9		Expanded Metal Screens, in 30x030x5mm Equal Angle frames.	m²	18		
14.3		PLAYER'S FIELD-TO-CHANGE ROOM MOVEABLE ACCESS TUNNEL Refer to detailed Drawing, and manufacture, deliver and install:				
14.3.1		IPE 140AA - Main Frame	kg	800		
14.3.2		80 x 80 x 6mm Equal angle - Sub Frame	kg	550		
14.3.3		Steel (Gate) Roller Wheels etc	No	8		
14.3.4		16mm Round Bar guide bars / rails, complete with concrete anchors into concrete	kg	50		
14.4		Screen / Side Cover: "De-fence MAX / Smart Fence" or similar approved mesh panels fencing system: Panels Appox 2900mm wide x 2.40mm high galvanised & powder coated • 3.0-4.0mm Horizontal / Verticle wires with aperture size (centres) at 76.2mm x 12.7mm panel formation. • Panel reinforced with 'V' formation horizontal recessed bands (rigidity) Interlocking tamperproof fixing system to posts Refer to drawing.	Panel	8		
14.5		Screen / Overhead cover - 0.58mm 'Chromadek' IBR roof sheeting. - Colour: Dark Dolfen.	m²	27		
CARRIED FORWARD						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 14 : STRUCTURAL STEELWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.6		BROUGHT FORWARD DELIVERY Delivery of steelwork included under items 14.1.2 to 14.1.22 inclusive:				
14.6.1		a) Normal loads	t	26		
14.7		ERECTION				
14.7.1		Offloading, stacking on Site, and erection of steelwork included under items 14.1.2 to 14.1.22	t	26		
14.7.2		ERECTION BOLTS AND NUTS Supply, deliver to Site and store as follows: Grade 8.8 bolts including thru' hardened flat or tapered washers, as appropriate	Sum	1		
14.8		HOLDING-DOWN BOLTS AND NUTS Supply, deliver, and cast in position, as follows:				
14.8.1		M16 Hilti Chemical Anchors	No.	120		
14.9		SUNDRIES				
14.9.1		Provide non-shrink grout to concrete and steel column basis.	No	120		
TOTAL FOR SECTION 14 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 15 : CLADDING AND SHEETING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.1		Supply, deliver to site, erect and fix sheeting/cladding, etc., including the supply of all necessary fasteners, etc., and cutting and notching.				
15.1.1		0.58mm 'Chromadek' IBR roof sheeting with 5 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	450		
15.1.2		0.58mm Galvanised IBR roof sheeting under seating / benches. pitch.	m <sup>2</sup>	320		
15.2		Flashings				
15.2.1		Gable flashing 540mm girth x 0,8mm - 3 bends, Chromadek finish.	m	37		
15.2.2		Profiled "Sondor" polyclosers.	m	37		
		RAINWATER GOODS				
15.3		Continuously rolled aluminium gutters with 'Dark Dolphin' chromadek finish and fixing brackets along roof line.	m	37		
15.4		8m Long downpipes to go with guttering.	No	8		
TOTAL FOR SECTION 15 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 16 : CORROSION PROTECTION OF STRUCTURAL STEELWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16.1		CORROSION PROTECTION OF STRUCTURAL STEELWORK  Surface dressing and repairs at place of fabrication. Remove slag and weld spatter, grind welds to smooth profile, radius sharp edges.	t	26		
16.2		Paint Works Surface preparation and coating application lead primer and 2 x final coats polyurethane paint, for the following:  All types metal elements / sections Colour: To be Confirmed	m <sup>2</sup>	1800		
TOTAL FOR SECTION 16 CARRIED FORWARD TO SUMMARY						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 17 : ELECTRICAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17.1		Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.  Domestic DB Unit completed with Neutral & Earth bars, fitted with min.: • 1 x 63A DP MCB (Mains); • 1 x 63A ELU 30mA; • 1 x 16A SP+N (Geyser); • 3 x 10 A SP MCB (Lights); • 2 x 20A SP MCB (Plugs) To be installed in services duct.  Sleeves	No	2		
17.2		Supply and install, PVC sleeve with draw wire, for incomer electrical supply cable.	Sum	2		
17.3		Supply and install, PVC sleeve with draw wire, for geyser (from DB to roof)  Wiring - Refer to electrical layout on drawing and install, under plaster, with minimal chasing, if at all required:	Sum	2		
17.4		Lights: 1.5mm <sup>2</sup> , 2 core & earth.	No	30		
17.5		Plugs: 2.5mm <sup>2</sup> , 2 core & earth.	No	21		
17.6		Stove: 4mm <sup>2</sup> , 2 core & earth.	No	6		
17.7		Light Switch - Surface mounted 2x4 light switch with extension box for:  1 or 2 Lever L/Switch, as required.	No	4		
17.8		Plug point - Surface mounted 4x4 double plug with extension box for:  Double Plug Point	No	4		
17.9		Light Fittings (Installed to Ceilings / Exterior masonry)				
17.10		Exterior Wall Light: 50W, Amber LED Floodlight (IP65)	No	12		
17.11		Ceiling / Wall mounted LED light - 1500mm T8 LED Double vapour proof linear light (IL65)	No	22		
17.11		Testing & Certificate of Compliance  Testing of installation and Issue CoC by registered Electrician	Complex	1		
17.13		Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.  Main supply cable from main power supply, to include, installation, joining etc. in sleeve (measured elsewhere)  Supply and install main supply cable: 16mm <sup>2</sup> x 4 core (Size to be confirmed)	m	120		
CARRIED FORWARD						

## BILL 04 : SPECTATOR STRUCTURE &amp; CHANGE ROOMS FOR SOCCER FIELD (WEST)

## SECTION 17 : ELECTRICAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17.14		BROUGHT FORWARD Allow for trenching excavations, cable marker tape & backfilling to install electrical cable, 600mm deep. Sleeves, bends etc. Supply and install sleeves, bends etc. during the building process:	m	120		
17.15		50mm PVC sleeve pipe	m	24		
17.16		50mm PVC long radius bend	No	6		
17.17		75mm PVC sleeve pipe	m	24		
17.18		75mm PVC long radius bend	No	6		
17.19		110mm PVC sleeve pipe	m	2		
17.20		110mm PVC long radius bend	No	18		
		LIGHTNING PROTCTION Supply and install complete:				
17.21		20mm PVC conduit, surface mounted to brickwork, concrete, steel, wood etc.	m	40		
17.22		50mm <sup>2</sup> Aluminium alloy conductor complete with conductor guides, expansion loops, etc installed in sleeve and fixed to roof sheeting.	m	60		
17.23		50mm PVS conductor jumpers 500mm long	No	10		
17.24		Steel core reinforced copper spike (rod) 1200 x 166mm diameter and brass couplings with driving cap driven into ground.	No	6		
17.25		Termination including lags, bolts, washers, and nuts.	No	6		
TOTAL FOR SECTION 17 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 05 : SPECTATOR PAVILLION TO SOCCER FIELD (EAST)**  
**SECTION 1 : EARTHWORKS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		Excavate by hand in earth not exceeding 1500mm deep:				
1.2		Foundation - Seating, and dispose	m <sup>3</sup>	230		
1.2		Column Bases	m <sup>3</sup>	74		
1.3		Extra-over items for excavation in:				
1.3		Intermediate material	m <sup>3</sup>	15		
1.4		Hard rock material	m <sup>3</sup>	5		
1.5		Keep excavations free of water:				
1.5		Keep excavations free of water.	Item	1		
1.6		Filling etc. Earth filling obtained from the excavations and / or stock piles on site, compacted to 93% Mod. AASHTO density, unless otherwise described:				
1.6		Under solid floors, foundation trenches, steps, etc.	m <sup>3</sup>	230		
1.7		IMPORT MATERIAL - Earth filling, supplied from commercial source (Type G6/G7), compacted to 93% Mod. AASHTO density unless otherwise described:				
1.7		Under solid floors, steps, etc.	m <sup>3</sup>	108		
1.8		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density:				
1.8		In a layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	3		Rate Only
1.9		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years:				
1.9		Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	548		
1.10		SUB-SOIL DRAINAGE (Refer to Drawing - Installed behind seating)				
1.10		Sub soil drain trenching excavations.	m <sup>3</sup>	50		
1.11		Type U14 BIDIM or similar, supply and placed on slope behind wall	m <sup>2</sup>	340		
1.12		19mm Stone filling	m <sup>3</sup>	40		
1.13		110mm 'Marley-LANDRAIN' perforated pipe or similar approved.	m	180		
1.14		110mm PVC Bends/Tee's, etc	no	6		
1.15		110mm PVC Discharge piping into headwall	m	6		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 05 : SPECTATOR PAVILLION TO SOCCER FIELD (EAST)

## SECTION 2 : CONCRETE, FORMWORK AND REINFORCEMENT

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		CONCRETE Concrete : 15MPa/13mm Blinding, 40mm thick concrete to: Column bases Blinding	m <sup>2</sup>	53		
2.2		Concrete Surface Beds: 20MPa / 19mm concrete in: 85-125mm Thick, with mesh ref. 245 (mesh measured elsewhere) with U3 (steel) finish, to:				
2.2		Concrete Seating	m <sup>3</sup>	40		
2.2		Concrete Steps	m <sup>3</sup>	4		
2.3		E.O Steel float finish	m <sup>2</sup>	385		
2.4		85mm Thick concrete external slab panels, slightly sloping, with mesh ref. 193 (mesh measured elsewhere) finished with U2 (wood) finish to smooth and even surface, for: Walkways, Drains & Aprons	m <sup>3</sup>	25		
2.5		E.O Wood float finish	m <sup>2</sup>	300		
2.6		Structural Concrete: 30 MPa / 19 concrete in: Concrete Column and Stub Footings	m <sup>3</sup>	25		
2.7		FORMWORK Smooth, vertical sides Steel Structure Stub footings - Sides etc	m <sup>2</sup>	40		
2.8		Concrete Seating	m <sup>2</sup>	40		
2.9		REINFORCEMENT High-tensile steel bars Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.	t	2.5		
2.10		High-tensile welded mesh reinforcement Type reference 193 in standard sheets (Walkways & Drains)	m <sup>2</sup>	315		
2.11		Type reference 245 in standard sheets (Seating)	m <sup>2</sup>	385		
2.12		JOINTS Movement Joints Expansion joint filled in with bitumen impregnated fibre board between vertical concrete and brick surfaces: 10mm Vertical joints in masonry work.	m	66		Rate Only
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						



ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.  115mm Walls - in 'FBS' Quality Clay Face Brick -Quality Clay Face Brick - 'Berg-enda Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m²	145		
3.2		Welded mesh brick reinforcement built horizontally into walls and lintels:  75mm Wide reinforcement	m	600		
3.3		Drainage Manholes (Sewer)  Construct drainage manholes as per plan, including excavation, concrete base, brickwork, plaster and manhole cover.	No	2		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4.1		One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:  Under Concrete Seating and bend up behind masonry walls.	m <sup>2</sup>	850		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 05 : SPECTATOR PAVILLION TO SOCCER FIELD (EAST)**  
**SECTION 5 : STRUCTURAL STEELWORK**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.1		SUPPLY AND FABRICATION				
5.1.1		Preparation of shop detail drawings	t	10.5		
		Supply and fabrication of steelwork complete with all the necessary cleats, brackets, gussets, packs, etc., as follows:				
		a) Using steel to SABS 1431 Grade 350WA or Grade EN 10025-2-S355JR.				
		Columns:				
5.1.2		152 x 152 x 23 H-Section	kg	2100		
		Roof Rafters, Beams & Purlins:				
5.1.3		305 x 133 x 25 Celluar (holes) I-Section Rafter (Cut from 203 x 133 I-Beam)	kg	3300		
5.1.4		228 x 152 x 23 Celluar (holes) I/H-Section Rafter (Cut from 152 x 152 x 25 H-section)	kg	950		
5.1.5		125 x 75 x 20 x 2.5 CFLC Purlin(Predrilled & Galvanised)	kg	2080		
5.1.6		80 x 80 x 6mm Equal angle Cross bracing	kg	360		
5.1.7		80 x 80 x 6mm Equal angle Horizontal bracing	kg	250		
5.1.8		80 x 80 x 6mm Equal angle Knee bracing	kg	350		
5.1.8		50 x 50 x 5mm Equal angle Flase Rafter	kg	185		
		Cleats				
5.1.9		125 x 75 x 10mm Unequal angle cleats (purlins)	kg	185		
		End Plates / Base plates				
5.1.10		Various Sizes / Thicknesses - Cut, drilled and welded onto columns and rafters	kg	340		
5.2	SABS 1200 HA	GALVANISED STEEL STANCHION AND HANDRAILS TO BE CASTED INTO CONCRETE WALKWAYS AND STAIRS				
	8.3.7	Handrailing as shown on Drawing				
		Rails:				
5.2.1		Handrails	m	55		
5.2.2		Kneerails	m	55		
		Stanchions:				
5.2.3		Straight - Cast into concrete, 300mm deep	No.	51		
		Bends and end closures:				
5.2.4		90° bends	No.	4		Rate Only
5.2.5		90° end closure	No.	40		
		Accessories:				
5.2.6		Ferrules	No.	40		
5.2.7		Pins	No.	40		
5.2.8		HD bolts	No	80		Rate Only
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 05 : SPECTATOR PAVILLION TO SOCCER FIELD (EAST)**  
**SECTION 5 : STRUCTURAL STEELWORK**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.3		BROUGHT FORWARD DELIVERY Delivery of steelwork included under items 5.1.2 to 5.2.8 inclusive:				
5.3.1		a) Normal loads	t	10.5		
5.4		ERECTION				
5.4.1		Offloading, stacking on Site, and erection of steelwork included under items 5.1.2 to 5.2.8	t	10.5		
5.4.2		ERECTION BOLTS AND NUTS Supply, deliver to Site and store as follows: Grade 8.8 bolts including thru' hardened flat or tapered washers, as appropriate	Sum	1		
5.5		HOLDING-DOWN BOLTS AND NUTS Supply, deliver, and cast in position, as follows:				
5.5.1		M16 Threaded Bars, 400mm long Anchors, with stud washers etc	No.	68		
5.6		SUNDRIES				
5.6.1		Provide non-shrink grout to concrete and steel column basis.	No	17		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 05 : SPECTATOR PAVILLION TO SOCCER FIELD (EAST)**  
**SECTION 6 : CLADDING AND SHEETING**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.1		Supply, deliver to site, erect and fix sheeting/cladding, etc., including the supply of all necessary fasteners, etc., and cutting and notching.				
6.1.1		0.58mm 'Chromadek' IBR roof sheeting with 5 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	550		
6.1.1		Alternative: 0.58mm Galvanised IBR roof sheeting with 5 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	550		Rate Only
6.2		Flashings				
6.2.1		Gable flashing 540mm girth x 0,8mm - 3 bends, Chromadek, Dark dolphin finish.	m	24		
		SUNDRIES				
6.3		500mm Dia Razor Cut Wire Coil, supplied and installed to lower roof end perimeter.	m	35		
TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY						

## BILL 05 : SPECTATOR PAVILLION TO SOCCER FIELD (EAST)

## SECTION 7 : CORROSION PROTECTION OF STRUCTURAL STEELWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7.1		CORROSION PROTECTION OF STRUCTURAL STEELWORK  Surface dressing and repairs at place of fabrication. Remove slag and weld spatter, grind welds to smooth profile, radius sharp edges.	t	10		
7.2		Paint Works Surface preparation and coating application lead primer and 2x final coat polyurethane paint, for the following:  All types metal elements / sections Colour: To be Confirmed	m <sup>2</sup>	270		
TOTAL FOR SECTION 7 CARRIED FORWARD TO SUMMARY						

## BILL 06 : NEW COMBI COURTS (X2)

## SECTION 1 : EARTHWORKS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	SABS 1200 C	CLEAR SITE				
1.1.1	8.2.1	Clear and grub Site (Care should be taken to clear only over the work areas, and NOT the entire site. Study environmental report.)	m <sup>2</sup>	2400		
	8.2.2	Contractor to conduct own site assessment for quantity purposes for: Remove and grub large trees and tree stumps of girth Over and up to				
1.1.2		1 m 2 m	No	1		
1.1.3		2 m 3 m	No	1		
1.1.4	8.2.9	Cart materials and debris to unspecified sites and dump.	Sum	1		
1.2		BULK EARTHWORKS (PLATFORMS)				
	8.3.4	Cut to fill				
1.2.1		Construct Cut to Fill Platforms and compact to 93 % mod. AASHTO maximum density, withing 0.5 km freehaul.	m <sup>3</sup>	260		
	8.3.4	Cut to Stockpile				
1.2.2		Cut to 'on-site' Stockpile location, within 0.5km freehaul	m <sup>3</sup>	--		Rate Only
	8.3.6	Extra-over items 1.2.1 to 1.2.2 inclusive for excavating and breaking down material in:				
1.2.3		Intermediate excavation (LI)	m <sup>3</sup>	80		
1.2.4		Hard excavation	m <sup>3</sup>	10		
1.2.5		Boulder excavation Class A	m <sup>3</sup>	50		Rate Only
	8.3.4	IMPORT MATERIAL				
1.2.6		To complete terraces : from stockpile on site	m <sup>3</sup>	400		
1.2.7		To complete terraces : from commercial sources (Prov)	m <sup>3</sup>	20		
		BED PREPARATION				
1.2.8		Court: Rip and Re-compact, 150mm deep and shape insitu material to final levels.	m	225		
		MISCELLANEOUS				
1.2.9		Construct Stormwater Earth Berms from excavated material, as per details on drawing.	m	70		
	8.3.4	IMPORT MATERIAL				
		Earth filling obtained from commercial source (Type G5), compacted to 95% Mod. AASHTO density unless otherwise described:				
1.2.10		150mm under combi-court slab.	m <sup>3</sup>	220		
		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density:				
CARRIED FORWARD						

## BILL 06 : NEW COMBI COURTS (X2)

## SECTION 1 : EARTHWORKS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.2.11		BROUGHT FORWARD 40mm layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	60		
1.2.12		Prescribed testing of representative samples of compacted fill material (only successful tests will be paid for): "Modified AASHTO density" test	No	20		
1.2.13		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years:				
1.3		Under combi-court area.	m <sup>2</sup>	1500		
1.3.1		SUB-SOIL DRAINAGE (Refer to Drawing - Installed around court)				
1.3.2		Sub soil drain trenching excavations.	m <sup>3</sup>	85		
1.3.3		Type U14 BIDIM or similar, supply and placed on slope behind wall	m <sup>2</sup>	315		
1.3.4		19mm Stone filling	m <sup>3</sup>	25		
1.3.5		110mm 'Marley-LANDRAIN' perforated pipe or similar approved.	m	180		
1.3.6		110mm PVC Bends/Tee's, etc	no	4		
1.4		110mm PVC Discharge piping into headwall	m	6		
1.4.1		FINISHINGS Shape areas to be topsoiled and grassed				
1.4.2		Earthworks to and smooth, slightly sloping, level. Topsoiling: 75mm thick layer - Imported from stockpile, spread and lightly compacted.	m <sup>2</sup>	500		
1.4.3		Around the concrete combi-court slab Grassing supply, deliver and lay instant lawn kikuyu or similar approved and water for two weeks	m <sup>2</sup>	500		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						



## BILL 06 : NEW COMBI COURTS (X2)

## SECTION 2 : GENERAL CIVILS: CONCRETE, REINFORCEMENT ETC.

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		CONCRETE				
	8.4.3	Reinforced Concrete: 20 MPa / 19 concrete in:				
2.1.1		Aprons / V-Drains, with woodfloat finish, cast in max 2m panels.	m <sup>2</sup>	240		
	8.4.3	Reinforced Concrete: 25 MPa / 19 concrete in:				
2.1.2		Retaining wall Foundations (Provisional)	m <sup>2</sup>	5		
2.1.3		100mm Thick, Combi-Court concrete slab, cast in panels, Inclusive of thickening at joints & edges.	m <sup>3</sup>	160		
		Extra-over items 2.1.3 for reinforced concrete:				
2.1.4		E.O. measure woodfloat finish to combi-court concrete slab	m <sup>2</sup>	1450		
2.2	8.2	FORMWORK				
		Formwork / Shuttering to:				
2.2.1		Edges, risers, ends and reveals not exceeding 150mm high. (To Floorslabs joints)	m	210		
	8.1.1.2	Chamfers - 25 mm x 25 mm to:				
2.2.2		R/C Slab	m	210		
2.3	8.1.2	REINFORCEMENT				
	8.3.2	High-tensile welded mesh reinforcement				
2.3.1		Type reference 193 in standard sheets (Aprons / V-Drains)	m <sup>2</sup>	240		
2.3.2		Type reference 395 in standard sheets (Court)	m <sup>2</sup>	1500		
		Movement Joints				
2.3.3		Type SC (Saw cut), as shown on dwg.	m	135		
2.3.4		Type KW (Keyway cast joint) , as shown on dwg.	m	430		
2.4		MASONRY (PROVISIONAL)				
		Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
		Retaining Wall Brickwork (Provisional)				
2.5		230mm Foundation walls (NFX)	m <sup>2</sup>	40		
		Welded mesh brick reinforcement built horizontally into walls and lintels:				
2.6		150mm Wide reinforcement	m	160		
		Extra Over brickwork:				
2.7		E.O Item 2.5 for exterior brick skin in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	50		
CARRIED FORWARD						

## BILL 06 : NEW COMBI COURTS (X2)

## SECTION 2 : GENERAL CIVILS: CONCRETE, REINFORCEMENT ETC.

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.8		BROUGHT FORWARD E.O For exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m	16		
2.9		WATERPROOFING One layer of 375 micron USB Green damp proof course				
2.9.1		Under combi-court slab, incl. laps & sealing with tape.	m <sup>2</sup>	1640		
2.10		PAINTWORK Plascon or similar approved single pack waterbased emulsion coating as per supplier's specification, to:				
2.10.1		Tennis Court Dressing Setting out of netball court lines and paint (50mm wide) with approved epoxy paint on concrete slab.	m <sup>2</sup>	1450		
2.10.2		YELLOW - Tennis Court	m	310		
2.10.3		RED - Netball Court	m	260		
2.10.4		BLUE - Volleyball Court	m	165		
2.11		POSTS				
2.11.1		Allow a provisional amount of R20000.00 for the provision of re-movable netball posts & nets etc.	Sum	1	10 000.00	10 000.00
2.11.2		Allow a provisional amount of R20000 for the provision of re-movable volley ball posts & nets etc.	Sum	1		
2.11.3		Allow a provisional amount of R20 000 for the provision of re-movable Tennis net posts & nets etc.	Sum	1		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 06 : NEW COMBI COURTS (X2)

## SECTION 3 : SMALL STEEL PAVILION (MOVEABLE)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		SUPPLY AND FABRICATION SMALL STEEL PAVILION  *** THE QUANTITIES BELOW ARE FOR 4 x PAVILIONS ****  Supply and fabrication of steelwork complete with all the necessary cleats, brackets, gussets, packs, etc., as follows:  a) Using steel to SABS 1431 Grade 350WA or Grade EN 10025-2-S355JR.  Pavilion Complete:				
3.1.1		50 x 50 x 6mm Equal angle (seat support)	kg	1200		
3.1.2		125 x 75 x 20 x 2.0 CFLC Purlin(Predrilled & Galvanised)	kg	1640		
3.1.3		200 x 75 x 20 x 2.5 CFLC Purlin(Predrilled & Galvanised)	kg	220		
3.1.4		50x5mm Flat Bar  End Plates / Base plates	kg	200		
3.1.5		Various Sizes / Thicknesses - Cut, drilled and welded  Sundries	kg	60		
3.1.6		Allow for bolt connections etc	No	4		
3.2	SABS 1200 HA	PAINTED STEEL STANCHION AND HANDRAILS				
	8.3.7	Handrailing as shown on Drawing  Rails:				
3.2.1		Handrails	m	28		
3.2.2		Kneerails  Stanchions:	m	28		
3.2.3		Top Mounted  Bends and end closures:	No.	32		
3.2.4		60° bends	No.	8		
3.2.5		120° end closure  Accessories:	No.	8		
3.2.6		Ferrules	No.	16		
3.2.7		Pins	No.	16		
3.2.8		HD bolts	No	64		
3.3		CORROSION PROTECTION OF STRUCTURAL STEELWORK  Paint Works Surface preparation and coating application lead primer and final coat polyurethane paint, for the following:				
3.3.1		All types metal elements / sections Colour: To be Confirmed	m²	80		
3.3.2		E.O for Silver Bitumen paint to bottom rail, contact with soil.	m²	2		
CARRIED FORWARD						

BILL 06 : NEW COMBI COURTS (X2)

SECTION 3 : SMALL STEEL PAVILION (MOVEABLE)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.4		BROUGHT FORWARD				
3.4.1		DELIVERY				
		Allow for Transport & Delivery of Pavilion	No	4		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 07 : EXISTING COMBI COURTS REFURBISHMENT (X2)**  
**SECTION 1 : GENERAL RENOVATIONS CIVILS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		EXISTING COURT RENOVATIONS				
1.1.1		Diamond concrete floor grinding (rough-cut), to remove existing delaminating tar / asphalt membrane, and dispose debris. (Do not cut into existing concrete!, the concrete surface must remain rough / non-slip)	m <sup>2</sup>	1450		
1.2		PAINTWORK  To External Masonry Walls: Prepare and paint 1 x Universal undercoat and 2 coats 'Plascon' Micatex or similar approved on:				
1.2.1		Prepare existing walls, scraping old paint, filling of cracks etc	m <sup>2</sup>	300		
1.3		External walls: Colour - To be confirmed.  Plascon or similar approved single pack waterbased emulsion coating as per supplier's specification, to:	m <sup>2</sup>	300		
1.3.1		Tennis Court Dressing  Setting out of netball court lines and paint (50mm wide) with approved epoxy paint on concrete slab.	m <sup>2</sup>	1450		
1.3.2		YELLOW - Tennis Court	m	310		
1.3.3		RED - Netball Court	m	260		
1.3.4		BLUE - Volleyball Court	m	165		
1.4		POSTS				
1.4.1		Allow a provisional amount of R10 000.00 for the provision of re-movable netball posts & nets etc.	Sum	1	10 000.00	10 000.00
1.4.2		Allow a provisional amount of R10 000 for the provision of re-movable volley ball posts & nets etc.	Sum	1		
1.4.3		Allow a provisional amount of R20 000 for the provision of re-movable Tennis net posts & nets etc.	Sum	1		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 07 : EXISTING COMBI COURTS REFURBISHMENT (X2)**  
**SECTION 2 : SMALL STEEL PAVILION (MOVEABLE)**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		SUPPLY AND FABRICATION SMALL STEEL PAVILION  *** THE QUANTITIES BELOW ARE FOR 4 x PAVILIONS ****  Supply and fabrication of steelwork complete with all the necessary cleats, brackets, gussets, packs, etc., as follows:  a) Using steel to SABS 1431 Grade 350WA or Grade EN 10025-2-S355JR. Pavilion Complete:				
2.1.1		50 x 50 x 6mm Equal angle (seat support)	kg	1200		
2.1.2		125 x 75 x 20 x 2.0 CFLC Purlin(Predrilled & Galvanised)	kg	1640		
2.1.3		200 x 75 x 20 x 2.5 CFLC Purlin(Predrilled & Galvanised)	kg	220		
2.1.4		50x5mm Flat Bar  End Plates / Base plates	kg	200		
2.1.5		Various Sizes / Thicknesses - Cut, drilled and welded	kg	60		
2.1.6		Sundries: Allow for bolt connections etc	No	4		
2.2	SABS 1200 HA	PAINTED STEEL STANCHION AND HANDRAILS				
	8.3.7	Handrailing as shown on Drawing  Rails:				
2.2.1		Handrails	m	28		
2.2.2		Kneerails	m	28		
		Stanchions:				
2.2.3		Top Mounted	No.	32		
		Bends and end closures:				
2.2.4		60° bends	No.	8		
2.2.5		120° end closure	No.	8		
		Accessories:				
2.2.6		Ferrules	No.	16		
2.2.7		Pins	No.	16		
2.2.8		HD bolts	No	64		
2.3		CORROSION PROTECTION OF STRUCTURAL STEELWORK  Paint Works Surface preparation and coating application lead primer and final coat polyurethane paint, for the following:				
2.3.1		All types metal elements / sections Colour: To be Confirmed	m²	80		
2.3.2		E.O for Silver Bitumen paint to bottom rail, contact with soil.	m²	2		
2.4		DELIVERY				
2.4.1		Allow for Transport & Delivery of Pavilion	No	4		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 1 : EARTHWORKS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		IMPORT MATERIAL - Earth filling, supplied from commercial source (Type G6/G7), compacted to 93% Mod. AASHTO density unless otherwise described:  Under solid floors, steps, etc.	m <sup>3</sup>	55		
1.2		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density:  In a layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	9		
1.3		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years:  Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	260		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 2 : CONCRETE, FORMWORK AND REINFORCEMENT

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		CONCRETE				
2.1		85mm Thick concrete external slab panels, slightly sloping, with mesh ref. 193 (mesh measured elsewhere) finished with U2 (wood) finish to smooth and even surface, for: Surface Bed - Veranda & Walkways	m <sup>2</sup>	145		
2.2		Structural Concrete: 30 MPa / 19 concrete in: Veranda Concrete Stub Footings	m <sup>3</sup>	4		
2.3		Structural Concrete: 30 MPa / 19 concrete in: Reinforced concrete Kitchen Worktops with U3 (Steel) finish	m <sup>3</sup>	1		
2.4		Concrete Seating	m <sup>3</sup>	1		
		FORMWORK				
2.5		Veranda Concrete Stub footings - Sides etc Smooth, vertical sides	m <sup>2</sup>	20		
2.6		General Concrete Slabs Smooth horizontal plane for soffit to R/C slab.	m <sup>2</sup>	6.5		
		REINFORCEMENT				
2.7		High-tensile steel bars Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.	kg	900		
2.8		High-tensile welded mesh reinforcement Type reference 193 in standard sheets	m <sup>2</sup>	255		
		JOINTS				
2.9		Movement Joints Expansion joint filled in with bitumen impregnated fibre board between vertical concrete and brick surfaces: 10mm Vertical joints in masonry work.	m	13.5		Rate Only
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						



## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 3 : PRE-CAST CONCRETE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		Standard prestressed fabricated lintels including bedding bearing ends in cement mortar and propping as necessary:  102 x 70mm Lintels in lengths not exceeding 3500mm (Prov.)	m	18		
3.2		'Winblok' pre-cast modular concrete window surrounds, built-in, to manufacturer's specifications:  600 x 600mm, WB66, 260mm deep	No	25		
3.3		E.O, supply and fit 600 x 600mm Winblok Nest Screen WB66-NS, using concrete epoxy adhesive, bonded to Struck Face of Winblok Concrete Surround, on external face of building, left untreated. All as per suppliers specifications.	No	25		
3.4		E.O supply and fit 600 x 600mm 'Wingrid' precast window insert. Using concrete epoxy adhesive, bonded to Face of Winblok Concrete Surround, on Internal face of building, left untreated. All as per suppliers specifications.	No	25		
3.5		Pre- Cast Table and Benches (Supply deliver and install / mount)  Pr-cast Concrete Table type "Vendor Table 1" by LG Green or similar, 840mm(W) x 2100mm (L) x 1050mm (H), or similar approved.	No	4		
3.6		Pr-cast Concrete Bench: 500mm(W) x 1600mm (L) x 500mm (H), or similar approved.	No	8		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 4 : MASONRY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4.1		<b>Demolitions:</b> Cut & Breakout Walls, and openings in existing masonry etc  Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.	m <sup>2</sup>	50		
4.2		<b>Super structure brickwork :</b> 120mm Wall (NFP)	m <sup>2</sup>	20		
4.3		300mm Wall (NFP)	m <sup>2</sup>	34		
		<b>Sundries</b> Welded mesh brick reinforcement built horizontally into walls and lintels on each course.				
4.4		75mm Wide reinforcement	m	80		
4.5		150mm Wide reinforcement	m	80		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 5 : WATERPROOFING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.1		Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:  In walls	m	26		
5.2		One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:  Surface Bed (new veranda / walkway)	m <sup>2</sup>	110		
5.3		Flashings etc. (Provisional) Sika Sealoflex or similar approved flexible acrylic waterproofing flashings applied in strict accordance with the manufacturer's requirements:  Between Wall and over Sheeting	m	40		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 6 : ROOF COVERINGS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.1		Chromadek' or similar IBR profiled roof sheeting and accessories fixed to timber purlins in accordance with the manufacturer's specifications:  0.58mm 'Chromadek' IBR Veranda sheeting with 5 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	115		
6.2		Chromadek' metal flashing, 500m wide, with 3 bends.	m	75		
TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 7 : CARPENTRY AND JOINERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7.1		Solid Meranti Doors & Frames - Manufactured, supplied and installed:  D1 - Meranti BB - Square Jointed or similar approved door, 813mm wide x 2032mm high hung to steel frame.	No	5		
7.2		D2 - 813mm wide x 1950mm high Hardboard faced, solid core flush panel door, hung to steel frame.	No	19		
TOTAL FOR SECTION 7 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 8 : IRONMONGERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.1		Door Ironmongery - Supply and install the following door hardware in stainless steel finish to the following: Door D1 - 'Union' - Radius lever CZ 692-24SC with Union 2 lever upright lock 2295 - 78SS.	No	5		
8.2		Door D2 - Union: 111mm Dove cupboard pull handle with bolt through fixing AL5516AS fitted with Union: AL8298AS Aluminium bathroom WC indicator bolt.	No	19		
8.3		40mm Key - alike padlocks Accessories	No	10		
8.4		Door stop	No	24		
8.5		Nameplates and symbols: 150 x 150mm White chromadec with red border fire fighting pictogram with red fire fighting arrow, symbol or escape sign.	No	6		
8.6		Bathroom fittings Rails, etc: 19mm Chromium plated towel rail 600mm long with Solid 260/E40 end brackets	No	8		
8.7		Thief proof toilet roll holder as Natal Ironmongers sample B 1682	No	13		
TOTAL FOR SECTION 8 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 9 : METALWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9.1		Pressed steel galvanised door frames 1,2mm Double rebated steel frame suitable for half-brick wall including building in:  Galvanised Frame for door (D1 & D4) 813mm wide x 2032mm high  Standard aluminium frames in 'Anolock bronze 543 finish. Supply and fit standard, pre-glazed, aluminium Door & Window frames to manufacturer's specification.  'Winblok' Window Inserts: Winvent Aluminium - Central Pivot (WVA66DTT-N4C) in 'Anolock bronze 543 finish, fixed with SPM40SG Neutral-Cure Hybrid Sealant (non-ascetic), into the rebate of the Winblok for:	No	27		
9.2		Central Pivot Frame Unit with factory fitted 4mm Clear Glazing.	No	2		
9.3		Central Pivot Frame Unit with factory fitted 4mm Obscure / Stippled Glazing, to Ablutions.	No	23		
9.4		Industrial Roller Door:  2.4m wide x 2.1m high, Heavy Duty Roller shutter door, gully Galvanised, supplied and installed by Specialist (Garden Store)	No	1		
9.5		2.4m wide x 1.5m high, Heavy Duty Roller shutter door, gully Galvanised, supplied and installed by Specialist (Tuckshop)	No	2		
9.6		Security Gates: Manufactured, Galvanised & built-in as per details on drawings for:  Security Gate Type G1 - Single Leaf - 880 x 2013mm high.	No	3		
9.7		Security Gate Type G2 - Double Leaf - 2500 x 2013mm high.	No	1		
9.8		Veranda Roof Structure  Supply manufacture and Install, by steel specialist, veranda roofing system, for:  Allow for taking measurements on-site and preparation of shop manufacturing drawings for review and approval by structural engineer, for Veranda Steel stucture.	Sum	1		
9.9		120 x 60 x 3.0mm Rectangular Hollow Sections Raftes and Purlins	kg	1400		
9.10		40 x 40 x 5mm Equal Angles - Arhitectural Feature	kg	115		Rate Only
9.11		60mm x 60mm x 2.5mm Rectangular Hollow Sections - Veranda Posts.	kg	285		
9.12		E.O for Custom steel brackets, connections, baseplates etc	kg	120		
9.13		E.O for Hot Dipped Galvanised for veranda steel structure	kg	550		
TOTAL FOR SECTION 9 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 10 : PLASTERING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10.1		Cement screeds - Sand / cement finish (3:1) steel trowelled to a smooth polished surface in panels not exceeding 6 m2 on concrete:  25mm Thick on floors and landings (Provisional)	m <sup>2</sup>	5		
10.2		25mm Thick on treads and risers of stairs, kerbs, thresholds, etc. (Provisional)	m <sup>2</sup>	5		
10.3		Plaster, 12mm thick 1:5 Cement plaster finished with steel trowel:  Internal Walls	m <sup>2</sup>	125		
TOTAL FOR SECTION 10 CARRIED FORWARD TO SUMMARY						



## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 11 : FLOOR FINISHES AND WALL TILING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		FLOOR TILING				
		Floor Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m² tile cost)				
11.1		Kitchen - To floors	m²	65		
11.2		E.O for tile skirting (cut to 100mm)	m	38		
		Tiling Sundries				
11.3		Metal tile edging to doors etc. (Provisional)	m	4		
		WALL TILING				
		Wall Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m² tile cost)				
11.4		Ablution Shower walls & Splashbacks	m²	87		
11.5		Kitchen walls	m²	50		
TOTAL FOR SECTION 11 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 12 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.1		Allow a provisional amount, for the client to select/buy sanitary ware & accessories:  Sanitary ware from approved supplier e.g. WC suites, wash hand basins, taps, shower doors etc.	Sum	1	80 000.00	80 000.00
12.1.1		E.O. for above for delivery to site and contractor's profit mark-up.  Extra over to above: Install as per supplier specifications, the following.	%	80000		
12.2		WC (Pan & Cistern)	No	13		
12.3		Wash hand basins	No	10		
12.4		Showers	No	8		
12.5		General bathroom accessories (Towel rails, roll holders, soap diches, etc)	No	1		
12.6		Cobra' or similar approved Fittings Valves, taps, etc:  Cobra' or similar K 300 B pressure control valve with ballstop shut off valve.	No	1		
12.7		Hot & Cold water plumbing, including all pipes, fittings, connections, testing etc.  Cold water copper pipe plumbing complete to Toilets, Basins. Hot and Cold Water to Showers & Kitchen. Allow for 22 & 15mm copper piping reticulation to sanitary fitting, installed under plastering.	Item	1		
12.8		200 Litre kwikhot direct solar geyser with direct thermosyphon, close couple, installed on flat roof frame (optional extra) complete with 16 vacuum tubes, including, pressure regulating valve and all required fittings. All installed on conc roof.	No	2		
12.9		Soil and vent drainage, including all fittings, junctions, couplings and sundry works.  Demolision: Strip, remove and dispose, all damaged and unsuitable Sewer Piping and fittings from existing / vadalised installation.	Sum	1		
12.10		Soil and Vent Sewage plumbing complete.	Item	1		
12.11		Underground drainage plumbing, including all, fittings, junctions, connections & testing.  Underground plumbing inclusive of Rodding, Cleaning & Inspection eyes, bends, junctions, 110mm Sewage piping etc.	m	100		
12.12		Allow for trenching, up to 1.2m deep excavations & backfilling to install underground drainage & plumbing.	m	100		
12.13		E.O for river sand bedding  Sewage Manholes	m³	25		
CARRIED FORWARD						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 12 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.14		BROUGHT FORWARD Construct sewer manholes as per plan, including excavation, concrete base, brickwork, plaster and manhole cover.	No	2		
12.15		Water Supply Connection: 25mm - Brass fullway gate valve	No	1		
12.16		Fire appliances: 4,5 kg Dry chemical powder fire extinguisher mounted to wall with timber backing board.	No	2		
TOTAL FOR SECTION 12 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 13 : GLAZING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.1		Glazing to steel frames including putty and hardner. Clear float glass:  4mm Thick in squares exceeding 0,1 and not exceeding 0,5 square metres to window frames. (Provisional)	m <sup>2</sup>	1		
13.2		Glazing to steel frames including putty and hardner. Patterned (Obscure) glass:  4mm Thick in squares exceeding 0,1 and not exceeding 0,5 square metres to entrance steel door. (Provisional)	m <sup>2</sup>	1		
13.3		6 mm Silvered float glass copper backed mirrors with polished edges and bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork for:  450 x 600mm Mirror to walls	No	9		
TOTAL FOR SECTION 13 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 14 : PAINTWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.1		On ceiling boards prepare, prime nail heads and paint one coat undercoat / sealer as required and two coats acrylic PVA paint. (Colour : White) on: Ceilings, cover strips and cornices	m <sup>2</sup>	230		
14.2		On Timber Prepare and paint one coat undercoat and 2 x coats 'Plascon' or similar approved Velvagro Enamel. (Colour: White) on: Solid toilet doors	m <sup>2</sup>	43		
14.3		Three coats "RYSTIX" EXTERIOR ARMADEK, or similar approved solvent sealer with stainer / colourant: Mahogany). Apply first two coats to timber members before fixing and applied to manufacturer's specifications, on: Timber doors.	m <sup>2</sup>	40		
14.4		On Walls Prepare and paint 1 x Universal undercoat and 2 x coats 'Plascon' Double Velvet' or similar approved on: Internal Walls: Colour - To be confirmed / VEL 17 Broken White.	m <sup>2</sup>	800		
14.5		Prepare and paint 1 x Universal undercoat and 2 coats 'Plascon' Micatex or similar approved on: External walls & Plastered beams: Colour - To be confirmed / BBO307 Topaz	m <sup>2</sup>	200		
TOTAL FOR SECTION 14 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 15 : ELECTRICAL &amp; LP GAS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.1		Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.  DB Unit completed with Neutral & Earth bars, fitted with min.: • 1 x 63A DP MCB (Mains); • 1 x 63A ELU 30mA; • 3 x 16A SP+N (Geyser); • 4 x 10 A SP MCB (Lights); • 2 x 20A SP MCB (Plugs)  Wiring - Refer to electrical layout on drawing and install, under plaster, with minimal chasing, if at all required:	No	1		
15.2		Lights: 1.5mm², 2 core & earth.	No	35		
15.3		Plugs: 2.5mm², 2 core & earth.	No	7		
15.4		Allow for surface steel tubing, complete.	m	300		
15.5		Light Switch - Surface mounted 2x4 light switch with extension box for:  1 or 2 Lever L/Switch, as required.	No	12		
15.6		Plug point - Surface mounted 4x4 double plug with extension box for:  Double Plug Point	No	7		
15.7		Light Fittings (Installed to Ceilings / Exterior masonry)  Rooms: Opal fitting & Lamp - 6 PVC Bowl & Ceramic Lamp holder complete with 5W LED lamp.	No	9		
15.8		Exterior Wall Light: 50W, Amber LED Floodlight (IP65)	No	10		
15.9		Ceiling / Wall mounted LED light - 1500mm T8 LED Double vapour proof linear light (IL65)	No	15		
15.10		LP Gas Installation (By Certified Specialist)  Installation to Gas Stove	Sum	1		
15.11		Testing & Certificate of Compliance  Testing of installation and Issue CoC by registered Electrician	Complex	1		
15.12		Testing of installation and Issue CoC by registered Gas Installer	Complex	1		
15.13		Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.  Main supply cable from main power supply, to include, installation, joining etc. in sleeve (measured elsewhere)  Supply and install main supply cable: 16mm² x 4 core (Size to be confirmed)	m	120		
CARRIED FORWARD						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 15 : ELECTRICAL &amp; LP GAS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.14		BROUGHT FORWARD Allow for trenching excavations, cable marker tape & backfilling to install electrical cable, 600mm deep. Sleeves, bends etc. Supply and install sleeves, bends etc. during the building process:	m	120		
15.15		50mm PVC sleeve pipe	m	24		
15.16		50mm PVC long radius bend	No	6		
15.17		75mm PVC sleeve pipe	m	24		
15.18		75mm PVC long radius bend	No	6		
		LIGHTNING PROTECTION Supply and install complete:				
15.19		20mm PVC conduit, surface mounted to brickwork, concrete, steel, wood etc.	m	10		
15.20		50mm <sup>2</sup> Aluminium alloy conductor complete with conductor guides, expansion loops, etc installed in sleeve and fixed to roof sheeting.	m	20		
15.21		50mm PVS conductor jumpers 500mm long	No	2		
15.22		Steel core reinforced copper spike (rod) 1200 x 166mm diameter and brass couplings with driving cap driven into ground.	No	2		
15.23		Termination including lags, bolts, washers, and nuts.	No	4		
TOTAL FOR SECTION 15 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 16 : TUCK-SHOP KITCHEN FURNITURE &amp; SIGNAGE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16.1		TUCK-SHOP KITCHEN FURNITURE & SIGNAGE				
16.1		Anvil Gas Boiling Table – 4 Burner complete with metal frame and legs, as supplied by Caterwize or similar.	No	1		
16.1.1		E.O for gas piping, regulator etc. for complete installation.	Sum	1		
16.2		Galvanised, Box Section, Extractor Canopy 1800mm mounted overhead stove.	No	1		
16.2.1		E.O supply installation of ducting, pipework to external wall, including downward bend.	Sum	1		
16.2.2		E.O for Eletrcial Wiring and connections	Sum	1		
16.3		20kg LPG gas bottles, filled.	No	2		
16.4		Catering Pots 4 Piece (32/34/36/38cm), as supplied by Caterwize or similar.	Set	2		
16.5		Fridge Star Single Swing Door Beverage Fridge 650mm	No	2		
16.6		Industrial Double Bowl Sink - 1700mm x 700mm x 900mm High - LHS & RHS Work Area Basin Dimensions: 550mm x 550mm x 300mm deep	No	1		
16.7		Sturdy Silver Pull Out Spring Kitchen Sink Faucet With Single Handle Water Tap / Mixer	No	2		
16.8		SIGNAGE 0.6m x 1.2m White Chromadec Singage board depicting "Boys Ablution" / "Girls Ablution / Change Rooms / Tuck Shop" .. etc with funders logo, complete mounted to building walls	No	5		
TOTAL FOR SECTION 16 CARRIED FORWARD TO SUMMARY						



## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 17 : SEWER: CIVILS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17.1	SABS 1200 DB & PSDB	SITE CLEARANCE (PIPE TRENCHES)				
17.1.1	8.3.1(a)	Clear vegetation and trees of girth up to 1 m (LI)	m	450		
17.1.2	8.3.1(c)	Carefully excavate topsoil 1m wide up to 50mm deep from trench, stockpile separately and away from subsoil, for re-use later.	m <sup>2</sup>	450		
		EXCAVATION TO SEWER RETICULATION				
		Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for pipes: Over 100 up to 300 mm diam. for total trench depth:				
		Exceeding but not exceeding				
17.1.3		0,0 m 1,0 m	m	300		
17.1.4		1,0 m 2.0 m	m <sup>3</sup>	150		
	8.3.2(b)	Extra-over items 17.1.3 to 17.1.4 incl. for (prov):				
17.2		Intermediate excavation	m <sup>3</sup>	25		
17.3	8.3.2(c)	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m <sup>3</sup>	10		
		EXCAVATION. ANCILLARIES Make up deficiency in backfill material (Provisional)				
17.4	8.3.3.1(a)	from other necessary excavations on site	m <sup>3</sup>	10		
17.5	SABS 1200 LD	SEWERS				
		PIPEWORK				
	8.2.1	Supply, lay, joint, bed Class B and test structured wall uPVC sewer pipes with closed tolerance spigot and socketed compression joints in accordance with SABS 1601				
17.6		110 mm diam uPVC, Class 34 Heavy duty	m	450		
	1200 LD 8.2.3	MANHOLES, ETC. Manholes to Drawing complete with M4A, Type 2A DMC (Dough moulding compound) heavy duty manhole frame and lid, Class 135kN, for depths over and up to				
17.7		1,0 m 2.0 m	No.	8		
17.8	SABS 1200 LB	BEDDING				
		PROVISION OF BEDDING				
		Available from trench within 0,5 km (Subclause 3.4.1)				
17.9	8.2.1	a) Selected granular bedding material	m <sup>3</sup>	10		
17.10		b) Selected fill blanket material	m <sup>3</sup>	100		
		Imported from				
CARRIED FORWARD						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 17 : SEWER: CIVILS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
	8.2.2.1	a) Other necessary excavations within 0.5 km (Provisional)				
17.11		1) Selected granular material	m <sup>3</sup>	10		Rate Only
17.12		2) Selected fill blanket	m <sup>3</sup>	10		Rate Only
	8.2.2.2	b) Borrow pits (Provisional)				
17.13		1) Selected granular material	m <sup>3</sup>	10		
17.14		2) Selected fill material	m <sup>3</sup>	10		
	8.2.2.3	c) Commercial sources (Provisional)				
17.15		1) Selected granular material	m <sup>3</sup>	126		
17.16		2) Selected fill material	m <sup>3</sup>	10		
17.17	8.2.3	Concrete bedding / Encasement (Provisional)	m <sup>3</sup>	3		
TOTAL FOR SECTION 17 CARRIED FORWARD TO SUMMARY						

## BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT

## SECTION 18 : SEPTIC TANK &amp; SOAK-AWAY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
18.1		SEPTIC TANK & SOAK-AWAY				
18.1.1		32m3 SEPTIC TANK				
18.1.1		Neat vertical excavation in all soils to a max depth of 2.0m. No payment will be made for overbreak.	m <sup>3</sup>	170		
18.1.2		Earthworks: Backfilling and Compaction to 93% Mod AASTHO	m <sup>3</sup>	50		
18.1.3		Cast 20Mpa concrete floor to base of septic tank.	m <sup>3</sup>	7		
18.1.4		Supply and lay concrete plaster bricks to 230mm wide walls.	m <sup>2</sup>	50		
18.1.5		Supply and lay concrete plaster bricks to 115mm wide walls including all openings.	m <sup>2</sup>	8		
18.1.6		Plaster walls with 1 part cement to 6 parts sifted plaster sand.	m <sup>2</sup>	60		
18.1.7		Shuttering to u/s slab and allow for manhole openings.	m <sup>2</sup>	21		
18.1.8		Supply, cut, deliver and fix reinforcing.	kg	600		
18.1.9		Cast 25Mpa concrete slab.	m <sup>3</sup>	6		
18.1.10		Supply and install 450mm x 600mm x 54.4kg cast iron manhole and single seal cover.	No	2		
18.1.11		Supply and install all of the following using Marley PVC sewer piping and fittings.				
18.1.11		110 dia. inlet and outlet T piece complete.	No	3		
18.1.12		110dia. x 90deg bend with inspection eye.	No	1		
18.1.13		110dia. piping including all couplings.	m	12		
18.2		48m SOAKAWAY				
18.2.1		Neat vertical excavation in all soils to a max depth of 2.0m. No payment will be made for overbreak.	m <sup>3</sup>	48		
18.2.2		Supply and place stone or rubble fill into soakaway.	m <sup>3</sup>	36		
18.2.3		Supply and place 19mm concrete stone in soakaway.	m <sup>3</sup>	12		
18.2.4		110mm perforated Marley Landrain pipes : Supply, handle,lay, and bed joint with approved couplings, and test.	m	48		
18.2.5		Supply and lay Bidum U24 1200mm wide as per plan.	m	48		
18.2.6		Backfill excavated topsoil over trench and compact to 90% Mod. AASHTO.	m	48		
TOTAL FOR SECTION 18 CARRIED FORWARD TO SUMMARY						

## BILL 09 : NEW HOCKEY FIELD (FIELD B)

## SECTION 1 : EARTHWORKS (FIELD B - HOCKEY)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	SABS 1200 C	<b>EARTHWORKS (FIELD B - HOCKEY)</b>				
1.1.1	8.2.1	CLEAR SITE				
		Clear and grub Site (Care should be taken to clear only over the work areas, and NOT the entire site. Study environmental report.)	Ha	1.1		
	8.2.2	Contractor to conduct own site assessment for quantity purposes for: Remove and grub large trees and tree stumps of girth Over and up to				
1.1.2		1 m 2 m	No	1		
1.1.3		2 m 3 m	No	1		
1.1.4	8.2.9	Cart materials and debris to unspecified sites and dump.	Sum	1		
1.2		<b>EARTHWORKS (PLATFORMS)</b>				
	8.3.4	Cut to fill				
1.2.1		Construct Cut to Fill Platforms and compact to 93 % mod. AASHTO maximum density, withing 0.5 km freehaul.	m <sup>3</sup>	4300		
	8.3.4	Cut to Stockpile				
1.2.2		Topsoil: Cut to 'on-site' Stockpile location, within 0.5km freehaul	m <sup>3</sup>	1000		
	8.3.6	Extra-over items 1.2.1 to 1.2.2 inclusive for excavating and breaking down material in:				
1.2.3		Intermediate excavation (LI)	m <sup>3</sup>	850		
1.2.4		Hard excavation	m <sup>3</sup>	100		
1.2.5		Boulder excavation Class A	m <sup>3</sup>	200		Rate Only
	8.3.7	Cut to spoil from				
1.2.6		Soft excavation	m <sup>3</sup>	50		
1.2.7		Intermediate excavation	m <sup>3</sup>	50		
1.2.8		Hard excavation	m <sup>3</sup>	50		Rate Only
1.2.9		Boulder excavation Class A	m <sup>3</sup>	50		Rate Only
	8.3.12	<b>OVERHAUL</b>				
1.2.10		Extra-over item 1.2.3 to 1.2.9 for hauling material in excess of the haul of 1,0 km	m <sup>3</sup> .km	250		
	8.3.4	<b>IMPORT MATERIAL</b>				
1.2.11		To complete terraces: from stockpile on site.	m <sup>3</sup>	5600		
1.2.12		To complete terraces : from commercial sources (Prov)	m <sup>3</sup>	50		Rate Only
1.2.13		Opening up and closing down of designated borrow pit	Sum	1		Rate Only
1.2.14		Deal with overburden	m <sup>3</sup>	10		Rate Only
		<b>MISCELLANEOUS</b>				
CARRIED FORWARD						

## BILL 09 : NEW HOCKEY FIELD (FIELD B)

## SECTION 1 : EARTHWORKS (FIELD B - HOCKEY)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.2.15		BROUGHT FORWARD Construct Stormwater Earth Berms from excavated material, as per details on drawing.	m	200		
1.2.16	8.3.10	FINISHINGS Topsoiling, 75mm thick to embankments etc	m <sup>2</sup>	11200		
1.2.17	8.3.11	Grassing to Embankments - Instant lawn. (Packed in checkerboard pattern and watered for 10 days)	m <sup>2</sup>	2400		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 09 : NEW HOCKEY FIELD (FIELD B)

## SECTION 2 : CIVIL WORKS: FINISHES (FIELD A)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1	SABS 1200 C	CIVIL WORKS: FINISHES (FIELD A) EARTHWORKS				
		FINISHINGS				
2.1.1	8.3.10	Topsoiling, 100mm thick, lightly compacted and levelled to design levels / smooth finish: from Stockpile on site	m <sup>2</sup>	6400		
2.2		SUBSOIL DRAINAGE & IRRIGATION SYSTEM SUB-SOIL DRAINAGE Install pitch drainage system, co-ordinated with irrigation pipe network (same trench). Refer to detailed drawing, for:				
2.2.1		Sub soil drain trenching excavations. (measured elsewhere under irrigation pipeline	m <sup>3</sup>	60		Rate Only
2.2.2		19mm Stone filling	m <sup>3</sup>	20		
2.2.3		110mm 'Marley-LANDRAIN' perforated pipe or similar approved.	m	150		
2.2.4		110mm PVC Bends/Tee's, etc	no	5		
2.2.5		110mm PVC Discharge piping (solid wall) into headwall	m	24		
2.3		IRRIGATION SYSTEM Design by Specialist:				
2.3.1		Allow an amount or R25 000 for design by irrigation expert / specialist	Sum	1		
2.3.2		E.O for Contractor's mark-up and attendance	%	25000		
		Supply and Install pitch irrigation system, co-ordinated with sub soil drainage pipe network (same trench). Refer to concept drawing, for:				
2.3.3		Allow for surveying / pegging / setting out of pipeline route and INVERT LEVELS.	m	700		
	8.3.2 (a)	PIPE TRENCHING: Min. 400mm wide trench - Machine / hand excavate in all materials for pipeline trenches, backfill, compact and dispose of surplus material for the following depths as per plan.				
2.3.4		Excavations of 0.0m - 1.0m	m	400		
	8.2.2	PIPES: Supply, lay, and bed Class A bedding joint, incl cut pipes to length where required, test and disinfect:  High Density Polyethylene Piping (HDPE) Manufacture & Certified to SABS ISO 4427 for PE100 type piping.				
2.3.5		110mm HDPE PN10 SDR 17 (Scours - Supplied in 50m Coils)	m	200		
CARRIED FORWARD						

## BILL 09 : NEW HOCKEY FIELD (FIELD B)

## SECTION 2 : CIVIL WORKS: FINISHES (FIELD A)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.3.6		BROUGHT FORWARD 63mm HDPE PN10 SDR 17 (Scours - Supplied in 100m Coils)	m	200		
2.3.7		50mm HDPE PN10 SDR 17 (Scours - Supplied in 100m Coils)	m	100		Rate Only
2.3.8		Compression Fittings - 16 Bar rated or similar approved e.g Magnum' / 'Plasson' / 'Philmac' / 'Unidelta' / Alprene-polyEasy'				
2.3.9		110mm Coupling	No	4		
2.3.10		110mm Equal Tee	No	2		
2.3.11		110mm x 2" Saddle	No	30		
2.3.12		110mm x 3/4" Saddle	No	1		
2.3.13		110mm x 4" Flange Adapter	No	2		
2.3.14		63mm Coupling	No	4		
2.3.15		63mm Equal Tee	No	2		
2.3.16		63mm x 2" Flange Adapter	No	2		
2.3.17		63mm x 2" Male Adapter	No	10		
2.3.18		63mm x 1" Saddle	No	20		
2.3.19		50mm Coupling	No	2		Rate Only
2.3.20		50mm Equal Tee	No	2		Rate Only
2.3.21		50mm x 2" Male Adapter	No	2		Rate Only
2.3.22		50mm x 2" Flange Adapter	No	4		Rate Only
2.3.23		50mm x 1" Saddle	No	2		Rate Only
2.3.24		IRRIGATION FITTINGS & SPECIALS (Refer to Drawings: 23-017-M-04-07)				
2.3.25		Rotor pop-up sprinkler - 'Rainbird Falcon 6504 FC-SS-NP or similar approved, complete with adjustable connection arm pipework and fittings for connection onto feeder line (50mm HDPE)	No	76		Rate Only
2.3.26		Irrigation Gate valve installation complete. Refer to drawing for the following: • 2" Brass Gate Valve; • 2 x 50x2" Male adapters (compression) • PVC Valve Box cover, with locakble lid, and 160mm Ø PVC sleeve pipe. • 300mm Concrete apron surround	No	20		
2.3.27		MARKERS: Supply and Install concrete water line markers	No	8		
CARRIED FORWARD						

## BILL 09 : NEW HOCKEY FIELD (FIELD B)

## SECTION 2 : CIVIL WORKS: FINISHES (FIELD A)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.4		BROUGHT FORWARD  GRASSING • Rate for grassing will include source supply, transport, deliver, installation and watering of grassing. • The preparation, laying and watering of the grassing is a delicate operation that requires proper planning and co-ordination from the contractor and his specialist suppliers. • The input from specialist grassing suppliers / installers will / may be required, by inexperienced contractor. • As a minimum, the contractor shall plant the grass at the onset of the raining season and water all grass initially for 12 consecutive days, each day at an irrigation rate of min. 10mm per day. Thereafter twice weekly at 15mm per cycle, until the grass has established and is growing. • Irrigation water by municipal source and or local borehole is not guaranteed. In such even the contractor shall supply water for irrigation from commercial source. • The instant lawn sods shall be placed level and to a smooth and even surface. Light rolling may be required.				
2.4.1	8.3.11	Grassing: Supply, deliver and place, instant lawn grass type Kikuyu / Berea (LM Grass), and lightly roll to even surface.	m <sup>2</sup>	6400		
2.4.2		Top dressing: After 60 days, when the grass is established, supply, spread and level-out surface indentations with a topsoil / topdressing layer to enhance the overall health and appearance of the grass	m <sup>2</sup>	6400		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						



Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 10 : WALKWAYS & JUNCTION / CHESS BOARD ARENA**  
**SECTION 1 : WALKWAYS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	1200 DA	EARTHWORKS (SMALL WORKS)				
	8.3.2	Restricted excavation. Excavate for foundations in all materials and backfill or place in embankment or dispose for:				
1.1.1		Walkway structures	m³	196		
1.2	SABS 1200 GA	CONCRETE (WALKWAYS)				
	8.2	FORMWORK				
1.2.1	8.2.3	Vertical narrow widths (up to 125mm wide)	m	1650		
	8.1.2	REINFORCEMENT				
	8.3.2	High-tensile welded mesh reinforcement				
1.2.2	8.3.2	High-tensile welded mesh ref 193.	m²	1200		
	8.4	CONCRETE				
1.2.3	8.4.3	Supply and cast Strength concrete, Grade 25Mpa / 19mm for general works.	m³	196		
	8.4.4	UNFORMED SURFACE FINISHES				
1.2.4		Wood-floated	m²	1200		
	8.5	JOINTS				
1.2.5		Construction joints (Saw-cut)	m	750		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 10 : WALKWAYS & JUNCTION / CHESS BOARD ARENA**  
**SECTION 2 : JUNCTION / CHESS BOARD ARENA**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		EARTHWORKS				
		Bulk Excavation				
2.1.1		Platform: Cut to Spoil Excavations	m <sup>3</sup>	65		
		Excavate by hand in earth not exceeding 1000mm deep:				
2.1.2		Foundation - Seating, and dispose	m <sup>3</sup>	20		
		Extra-over items for excavation in:				
2.1.3		Intermediate material	m <sup>3</sup>	2		
		Keep excavations free of water:				
2.1.4		Keep excavations free of water.	Item	1		
		Filling etc. Earth filling obtained from the excavations and / or stock piles on site, compacted to 93% Mod. AASHTO density, unless otherwise described:				
2.1.5		Under solid floors, foundation trenches, steps, etc.	m <sup>3</sup>	15		
		IMPORT MATERIAL - Earth filling, supplied from commercial source (Type G6/G7), compacted to 93% Mod. AASHTO density unless otherwise described:				
2.1.6		Under solid floors, steps, etc.	m <sup>3</sup>	10		Rate Only
		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density:				
2.1.7		In a layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	3		
		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years:				
2.1.8		Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	30		
		SUB-SOIL DRAINAGE (Refer to Drawing - Installed behind seating)				
2.1.9		Sub soil drain trenching excavations.	m <sup>3</sup>	8		
2.1.10		Type U14 BIDIM or similar, supply and placed on slope behind wall	m <sup>2</sup>	100		
2.1.11		19mm Stone filling	m <sup>3</sup>	7		
2.1.12		110mm 'Marley-LANDRAIN' perforated pipe or similar approved.	m	60		
2.1.13		110mm PVC Bends/Tee's, etc	no	1		
2.1.14		110mm PVC Discharge piping into headwall	m	6		
2.2		CONCRETE, FORMWORK AND REINFORCEMENT				
		CONCRETE				
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 10 : WALKWAYS & JUNCTION / CHESS BOARD ARENA**  
**SECTION 2 : JUNCTION / CHESS BOARD ARENA**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.2.1		BROUGHT FORWARD Concrete : 15MPa/13mm Blinding, 40mm thick concrete to: Foundation Blinding	m <sup>2</sup>	16		
2.2.2		Concrete Surface Beds: 20MPa / 19mm concrete in: Strip Foundations	m <sup>3</sup>	4		
2.2.3		85-125mm Thick, with mesh ref. 245 (mesh measured elsewhere) with U3 (steel) finish, to: Concrete Seating	m <sup>3</sup>	4		
2.2.4		E.O Steel float finish	m <sup>2</sup>	40		
2.2.5		FORMWORK Smooth, vertical sides Concrete Seating	m <sup>2</sup>	40		
2.2.6		REINFORCEMENT High-tensile welded mesh reinforcement Type reference 245 in standard sheets (Seating)	m <sup>2</sup>	360		
2.3		MASONRY Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
2.3.1		115mm Walls - in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	20		Rate Only
2.3.2		230mm Walls - in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	20		
2.4		Exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m	6		
2.4.1		Welded mesh brick reinforcement built horizontally into walls and lintels: 75mm Wide reinforcement	m	120		
2.5		WATERPROOFING One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:				
2.5.1		Under Concrete Seating and bend up behind masonry walls.	m <sup>2</sup>	52		
2.6	8.3.3(a)	Selected Layers				
2.6.1		Rip & Re-compact to 95 % mod. AASHTO maximum density (150mm Layer)	m <sup>3</sup>	24		
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 10 : WALKWAYS & JUNCTION / CHESS BOARD ARENA**  
**SECTION 2 : JUNCTION / CHESS BOARD ARENA**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.7	SABS 1200 ME	BROUGHT FORWARD SUBBASE				
2.7.1	8.3.3	Construct subbase with G5 Natural Gravel material from commercial sources and compact to 95% Mod AASTHO density, to: 100mm, to Paving areas	m <sup>3</sup>	16		
2.8	SABS 1200 MF	BASE				
2.8.1	8.3.3	Construct base with material from commercial sources, to: b) G2 Graded crushed stone 75mm to main carriageways	m <sup>3</sup>	13		
2.9	SABS 1200 DM	SEGMENTED PAVING				
2.9.1		Weedkiller and applied at a rate as indicated by the manufacturer Under paving etc	m <sup>2</sup>	160		
2.9.2		Bedding sand 30mm Thick layer of graded bedding sand	m <sup>3</sup>	5		
2.9.3	8.2.2	Supply and construct precast concrete segmented paving in accordance with SANS 1200MJ, laid to fall on 30mm thick sand layer with joints filled in with sand, compacted with a vibration compactor (sand elsewhere measured) complete:  Patterns & Isolated Panels: 50mm Thick, PB - Clay pavers (Namaquastone / Ironstone) paving laid to herring-bone pattern and dry jointing sand brushed into joints followed by final compaction to side walks etc.	m <sup>2</sup>	135		
2.10	8.4.5	Cutting units to fit edge restraint	m	30		
2.10.1		E.O for Concrete benching for edge restraint.	m	30		
2.11		CHESS BOARD - FLAGSTONES				
2.11.1		750 x 750mm Precast Concrete Flagstones, in colour coded, checkered board pattern.	No	64		
2.11.2		Giant (91cm) Outdoor Chess Pieces	Sum	1		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 11 : PERIMETER FENCING &amp; ACCESS CONTROL

## SECTION 1 : PERIMETER WALL FENCING &amp; ACCESS CONTROL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	8.3.2	<b>PERIMETER WALL FENCING</b>				
1.1.1	8.3.3(a) PSD.1.1	EXCAVATION  Excavate for foundations in all materials, stockpile and backfill or use for embankments to:	m <sup>3</sup>	750		
1.2	SABS 1200 GA	CONCRETE, FORMWORK AND REINFORCEMENT				
	8.4	CONCRETE				
	8.4.3	Reinforced Concrete: 15 MPa / 19 concrete in:				
1.2.1		Foundations cast as strip footings, including stepping and levelling etc.	m <sup>3</sup>	275		
	8.1.2	REINFORCEMENT				
		High-tensile welded mesh reinforcement				
1.3		Type reference 193 in standard sheets	m <sup>2</sup>	800		
1.4		MASONRY / WALLING				
		Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
		Foundation Brickwork				
1.4.1		140mm Foundation walls (Jem or Maxi)	m <sup>2</sup>	800		
		Welded mesh brick reinforcement built horizontally into walls and lintels:				
1.4.2		150mm Wide reinforcement	m	1600		
		Super structure brickwork :				
1.4.3		140mm Wall in Jem or Maxi in Semi-facebrick, SABS Approved.	m <sup>2</sup>	3070		
1.4.4		E.O For roller coarse in Jem or Maxi Semi Facebrick.	m <sup>2</sup>	400		
		Sundries				
		Welded mesh brick reinforcement built horizontally into walls and lintels on each course.				
1.4.5		150mm Wide reinforcement	m	12000		
1.5		WATERPROOFING				
		Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:				
1.5.1		In walls	m	1720		
		GATES				
		Pedestrian Gate				
1.6		Supply and install single pedestrian gate, manufactured from 60mm Sq Tubing, Mesh panelling. Complete with Gate posts and lockset. All galvanised and powder coated.	No	3		
CARRIED FORWARD						

## BILL 11 : PERIMETER FENCING &amp; ACCESS CONTROL

## SECTION 1 : PERIMETER WALL FENCING &amp; ACCESS CONTROL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.7		<p>BROUGHT FORWARD</p> <p>Sliding Vehicle Gate</p> <p>Supply and install galvanised sliding gate max 6.0m long, 2.05m high. Complete with rail beam etc.</p> <p>Manufactured from Sq Tubing, Mesh panelling. Complete with Gate posts, Lockset and guid wheels. All galvanised and powder coated. Refer to Drw.</p>	No	7		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 11 : PERIMETER FENCING &amp; ACCESS CONTROL

## SECTION 2 : ACCESS CONTROL GATE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		ACCESS CONTROL GATE <b>*** THE FOLLOW QUANTITIES IS FOR 2 x ACCESS GATES</b>				
2.1	8.3.2	EXCAVATION				
2.1.1	8.3.3(a) PSD.1.1	Excavate for foundations in all materials, stockpile and backfill or use for embankments to:	m <sup>3</sup>	10		
2.2	SABS 1200 GA	CONCRETE, FORMWORK AND REINFORCEMENT				
	8.4	CONCRETE  Concrete : 15MPa/13mm Blinding, 40mm thick concrete to:				
2.2.1	8.4.2	Bottom of foundations trenches.	m <sup>2</sup>	10		
	8.4.3	Reinforced Concrete: 20 MPa / 19 concrete in:				
2.2.2		Foundations cast as strip footings, including stepping and levelling etc.	m <sup>3</sup>	5		
2.2.3		Walk way / Aprons, 100mm thick, in sloping panels with wood float finish, around entrance.	m <sup>2</sup>	340		
	8.4.3	Reinforced Concrete: 30 MPa / 19 concrete in:				
2.2.4		Roof Slab Canopy	m <sup>3</sup>	12		
2.2.5		E.O for wood floated	m <sup>2</sup>	44		
	8.1.1 PSG.6.2	FORMWORK				
	8.2.3	Smooth horizontal plane to:				
2.2.6		Verticale narrow widths up to 100 mm wide for side of aprons / slabs etc	m <sup>2</sup>	12		
2.2.7		Horizontal, Soffit to RC Slab, drip groove etc, as detailed.	m <sup>2</sup>	44		
	8.1.2	REINFORCEMENT				
	8.3.2	High-tensile welded mesh reinforcement High-tensile steel bars				
2.3		Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.	t	1.4		
		High-tensile welded mesh reinforcement				
2.4		Type reference 193 in standard sheets	m <sup>2</sup>	340		
2.5		MASONRY  Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
		Foundation Brickwork				
2.5.1		230mm Foundation walls. (NFX)	m <sup>2</sup>	16		
CARRIED FORWARD						

## BILL 11 : PERIMETER FENCING &amp; ACCESS CONTROL

## SECTION 2 : ACCESS CONTROL GATE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
2.5.2		Welded mesh brick reinforcement built horizontally into walls and lintels: 150mm Wide reinforcement	m	64		
2.5.3		Super structure brickwork : 230mm Wall in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	40		
2.5.4		E.O For exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m	10		
2.5.5		Sundries Welded mesh brick reinforcement built horizontally into walls and lintels on each course. 150mm Wide reinforcement	m	160		
2.6		WATERPROOFING Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:				
2.6.1		In walls One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:	m	16		
2.7		Walkway / Surface Bed	m <sup>2</sup>	340		
2.8		SIGNAGE				
2.8.1		1.2m x 2.4m White Chromadec Singage board depicting "SCHOEMANSDAL SPORTS STADION - ENTRANCE 1 / 2" .. etc with funders logo, complete mounted to building walls	No	2		
2.9	SABS 1200 HA	GALVANISED STEEL STANCHION AND HANDRAILS				
	8.3.7	Handrailing as shown on Drawing				
2.9.1		Rails: Handrails	m	48		
2.9.2		Kneerails	m	48		
2.9.3		Stanchions (To be casted into concrete surface beds): Straight - Cast into concrete, 300mm deep	No.	40		
2.9.4		Bends and end closures: 90° bends	No.	8		Rate Only
2.9.5		90° end closure	No.	32		
CARRIED FORWARD						



## BILL 11 : PERIMETER FENCING &amp; ACCESS CONTROL

## SECTION 2 : ACCESS CONTROL GATE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
		Accessories:				
2.9.6		Ferrules	No.	80		
2.9.7		Pins	No.	80		
2.9.8		HD bolts	No	160		Rate Only
2.10		TURNSTYLE 'ROLLER' GATES				
2.10.1		Supplied and Installed by Specialist: 3-Arm (120 deg), Industrial, Full Height Turnstyle, suitable for exterior installation / operation. Complete with the features: • Mechanically Bi-Directional / Free Rotation; • Anti-climb Protection; • Mild Steel, with UV resistant, powder coated finish	No	6		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 12 : DRIVEWAYS & PARKING AREA INCLUDING VIP**  
**SECTION 1 : EARTHWORKS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	SABS 1200 C	<b>EARTHWORKS</b>				
1.1.1	8.2.1	CLEAR SITE				
		Clear and grub Site (Care should be taken to clear only over the work areas, and NOT the entire site. Study environmental report.)	Ha	0.82		
	8.2.2	Contractor to conduct own site assessment for quantity purposes for: Remove and grub large trees and tree stumps of girth Over and up to				
1.1.2		1 m 2 m	No	1		
1.1.3		2 m 3 m	No	1		
1.1.4	8.2.9	Cart materials and debris to unspecified sites and dump.	Sum	1		
1.2		<b>EARTHWORKS (PLATFORMS)</b>				
	8.3.4	Cut to fill				
1.2.1		Construct Cut to Fill Platforms and compact to 93 % mod. AASHTO maximum density, withing 0.5 km freehaul.	m³	600		
	8.3.4	Cut to Stockpile				
1.2.2		Topsoil: Cut to 'on-site' Stockpile location, within 0.5km freehaul	m³	350		
1.2.3		General: Cut to 'on-site' Stockpile location, within 0.5km freehaul	m³	1400		
	8.3.6	Extra-over items 1.2.1 to 1.2.3 inclusive for excavating and breaking down material in:				
1.2.4		Intermediate excavation (LI)	m³	600		
1.2.5		Hard excavation	m³	200		
1.2.6		Boulder excavation Class A	m³	200		Rate Only
	8.3.7	Cut to spoil from				
1.2.7		Soft excavation	m³	50		
1.2.8		Intermediate excavation	m³	50		
1.2.9		Hard excavation	m³	50		
1.2.10		Boulder excavation Class A	m³	50		Rate Only
	8.3.12	<b>OVERHAUL</b>				
1.2.11		Extra-over item 1.2.4 to [2.2.9] for hauling material in excess of the haul of 1,0 km	m³.km	1000		
	8.3.4	<b>IMPORT MATERIAL</b>				
1.2.12		To complete terraces : from borrow pits	m³	50		Rate Only
1.2.13		To complete terraces : from commercial sources (Prov)	m³	50		Rate Only
1.2.14		Opening up and closing down of designated borrow pit	Sum	1		Rate Only
1.2.15		Deal with overburden	m³	10		Rate Only
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 12 : DRIVEWAYS & PARKING AREA INCLUDING VIP**  
**SECTION 1 : EARTHWORKS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.2.16		BROUGHT FORWARD MISCELLANEOUS Construct Stormwater Earth Berms from excavated material, as per details on drawing.	m	821		
1.2.17	8.3.10	FINISHINGS Topsoiling, 75mm thick to embankments etc	m²	1200		
1.2.18	8.3.11	Grassing to Embankments - Instant lawn. (Packed in checkerboard pattern and watered for 10 days)	m²	600		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 12 : DRIVEWAYS & PARKING AREA INCLUDING VIP**  
**SECTION 2 : PARKING: DRY-STACK RETAINING WALLS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1	8.2.4	Procure and install loffelstein (or similar) dry stack blocks, packed on concrete foundation and up earth bank at 30° to 45° including cutting back bank as necessary, trimming, filling stacked blocks with topsoil, compacting, etc. for the following block sizes:  Dry stack blocks: 300mm long / deep.  PRE-CAST CONCRETE	m²	117		Rate Only
2.2		Pre-Cast Concrete Steps, appoximate 1000mm[L] x 350mm[W] x 180mm[H], 40MPa precast units, inclusive of placed in earthworks embankment to form a stable staicase.  Wall Foundations: Strength concrete: 20 MPa/19mm to.	No	20		
2.3		Concrete to Dry stack bases including earthworks, shuttering and finishing.  Earthworks: Backfilling behind	m³	15		
2.4		Compacted earth backfilling, obtained from excavations on site, behind blocks, to 93% MOD AASTHO density.  SOIL REINFORCEMENT AND WRAPAROUND FACING	m³	100		Rate Only
2.5		Install Kaytech - Rock Grid PC 50/50, or similar high strength, composite geotextile geogrid, in layers to backfilling behind wall.  GEOTEXTILE	m²	150		
2.6		Type U14 BIDIM or similar, supply and placed on slope behind wall  SUB-SOIL DRAINAGE	m²	150		
2.7		Sub soil drain trenching excavations.	m³	30		
2.8		19mm Stone filling	m³	5		
2.9		110mm 'Marley-LANDRAIN' perforated pipe or similar approved.	m	150		
2.10		110mm PVC Bends	no	10		
2.11		110mm PVC Discharge piping into headwall	m	50		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 12 : DRIVEWAYS & PARKING AREA INCLUDING VIP**  
**SECTION 3 : CIVILS: DRIVEWAYS & PAVEMENTS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1	SABS 1200 DM	<b>CIVILS: DRIVEWAYS &amp; PAVEMENTS</b> SUB GRADE: TREATMENT OF ROAD-BED (DRIVEWAYS)				
	8.3.3(a)	Road-bed preparation and compaction of material				
3.1.1		Compact to 95 % mod. AASHTO maximum density (150mm Layer)	m³	717		
3.2	SABS 1200 ME	SUBBASE				
	8.3.3	Construct subbase with G7 Natural Gravel material from stockpiles on site and compact to 93% Mod AASTHO density, to:				
3.2.1		200mm to main carriageways	m³	900		
	8.3.5 b)	Process material in layers by means of:				
3.2.2		Heavy grid rolling	m³	900		
3.3	SABS 1200 MF	BASE				
	8.3.3	Construct base with material from commercial sources, to:				
		b) G4 Graded crushed stone				
3.3.1		75mm to main carriageways	m³	375		
3.3.2		100mm to Gravel Parking Area	m³	240		
		b) G2 Graded crushed stone				
3.3.3		25mm to main carriageways - in isolated spots / areas as directed by engineer.	m³	50		
3.4	SABS 1200 MK	CONCRETE KERBING AND CHANNELLING				
	8.2.2	Precast concrete Fig 8 kerbing including mortar bedding, concrete haunching and concrete bedding as detailed.				
3.5		a) Straight & radius over 20m.	m	640		
		b) Laid on radius				
3.6		Over 4m and up to and including 20m.	m	50		
3.7		Concrete Channel: 200mm x 200mm, 20mPa concrete channel, cast and floated.	m	600		
3.8	SABS 1200 DM	SEGMENTED PAVING				
		Weedkiller and applied at a rate as indicated by the manufacturer				
3.8.1		Under paving etc	m²	4780		
		Bedding sand				
3.8.2		30mm Thick layer of graded bedding sand	m³	130		
	8.2.2	Supply and construct precast concrete segmented paving in accordance with SANS 1200MJ, laid to fall on 30mm thick sand layer with joints filled in with sand, compacted with a vibration compactor (sand elsewhere measured) complete:				
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 12 : DRIVEWAYS & PARKING AREA INCLUDING VIP**  
**SECTION 3 : CIVILS: DRIVEWAYS & PAVEMENTS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.8.3	8.4.5 SABS 1200 GA	BROUGHT FORWARD  Driveways and Parking: 60mm Thick, Interlocking concrete paving blocks laid to herring-bone pattern and dry jointing sand brushed into joints followed by final compaction to sidewalks.	m²	4600		Rate Only
3.8.4		Alternative to above: 80mm Thick, Interlocking concrete paving blocks laid to herring-bone pattern and dry jointing sand brushed into joints followed by final compaction to main carriageways.	m²	4600		
3.9		Cutting units to fit edge restraint	m	640		
3.10		CONCRETE, FORMWORK AND REINFORCEMENT SABS 1200GA  CONCRETE  Concrete 20MPa / 19mm with mesh reinforcing (mesh measured elsewhere) with U2 (wood) finish, to:				
3.10.1		Ramp / Steps etc: 125mm Thick, cast in 4m x 4m max. panels, with wood float and broomed finish. (None-slip)	m²	200		
3.10.2		V-Drains: 1000mm wide x 100mm thick	m²	300		
3.10.3		Anchor Beams: 200mm wide x 200mm thick  FORMWORK	m³	3		
3.10.4		To sides not exceeding 100mm high (Aprons & V-Drains)	m	600		
3.10.5		To sides not exceeding 200mm high (Ramps & Edge Beams)  REINFORCEMENT High-tensile steel bars	m	75		
3.10.6		Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.  High-tensile welded mesh reinforcement	t	1		
3.10.7		Type reference 193 in standard sheets  JOINTS Construction Joints - as per details.	m²	500		
3.10.8		Keyed floor joint.	m	80		
3.10.9		Saw cut joint - 25mm Deep saw cut joints in floor slabs, cut with diamond disk cutter to ensure straight cut lines. (Provisional)  DAMP PROOFING One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:	m	80		
3.10.10		Under Aprons, V-Drains and Ramps	m²	500		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 12 : DRIVEWAYS & PARKING AREA INCLUDING VIP**  
**SECTION 3 : CIVILS: DRIVEWAYS & PAVEMENTS**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.11	SABS 1200 MM	BROUGHT FORWARD ANCILLARY ROADWORKS				
		GUARDRAILS				
3.11.1	8.2.1	Supply and erect galvanized steel guardrails on timber posts, backfilled with material available on Site	m	50		Rate Only
3.11.2	8.2.2	Extra-over Item 3.11.1 for horizontally curved guardrails factory-bent to a radius of less than 150 mm	m	20		Rate Only
	8.2.3	End Units				
3.11.3		a) End wings	No.	4		Rate Only
3.11.4	8.2.4	Additional guardrail posts, as for Item 3.11.1	No.	4		Rate Only
3.12		PERMANENT TRAFFIC SIGNS				
	8.3.1	Sign faces with painted or galvanized (as stated) background. Symbols, characters, legend, and borders in engineering grade retroreflective material with signboards constructed from				
3.12.1		Allowance for R20 000 for signage	PC	1	20 000.00	20 000.00
3.12.2		Contractor's markup including payment	%	20000		
3.13		PRECAST CONCRETE				
		Supply and install the following:				
3.13.1		Concrete Bollard: Type: Commodore A, 1200mm x 250mm dia x Ferro Exposed Aggregate (Or similar approved)	No	40		
3.13.2		E.O for footing: • Excavations & • 400mm x 400mm x 500mm in 15MPa concrete	No	40		
3.13.3		Concrete Dustbin: Type: 'Mainstreet, 720mm high x 500mm dia. x 75 litre (or similar approved) in exposed aggregate finish.	No	12		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 1 : EARTHWORKS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		Excavate by hand in earth not exceeding 1500mm deep: Foundation Trenches	m <sup>3</sup>	26		
1.2		Extra-over items for excavation in: Intermediate material	m <sup>3</sup>	10		
1.3		Hard rock material	m <sup>3</sup>	5		
1.4		Keep excavations free of water: Keep excavations free of water.	Item	1		
1.5		Filling etc. Earth filling obtained from the excavations and / or stock piles on site, compacted to 93% Mod. AASHTO density, unless otherwise described: Under solid floors, foundation trenches, steps, etc.	m <sup>3</sup>	30		
1.6		IMPORT MATERIAL - Earth filling, supplied from commercial source (Type G6/G7), compacted to 93% Mod. AASHTO density unless otherwise described: Under solid floors, steps, etc.	m <sup>3</sup>	35		
1.7		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density: In a layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	5		
1.8		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years: Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	230		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						



## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 2 : CONCRETE, FORMWORK AND REINFORCEMENT

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		CONCRETE Concrete : 15MPa/13mm Blinding, 40mm thick concrete to: Foundation Blinding	m <sup>2</sup>	26		
2.2		Concrete Surface Beds: 20MPa / 19mm concrete in: 85mm Thick, with mesh ref. 245 (mesh measured elsewhere) with U2 (wood) finish to take tiles / carpets etc - no screeds, to: Surface Bed	m <sup>2</sup>	90		
2.3		85mm Thick concrete external slab panels, slightly sloping, with mesh ref. 193 (mesh measured elsewhere) finished with U2 (wood) finish to smooth and even surface, for: Surface Bed Veranda	m <sup>2</sup>	78		
2.4		Apron / V-Drain	m <sup>2</sup>	60		
2.5		Reinforced Concrete: 25 MPa / 19 concrete in: Foundations	m <sup>3</sup>	8		
2.6		Structural Concrete: 30 MPa / 19 concrete in: Veranda Concrete Stub Footings	m <sup>3</sup>	3		
2.7		FORMWORK Veranda Concrete Stub footings - Sides etc Smooth, vertical sides	m <sup>2</sup>	3		
2.8		REINFORCEMENT High-tensile steel bars Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.	kg	300		
2.9		High-tensile welded mesh reinforcement Type reference 193 in standard sheets	m <sup>2</sup>	230		
2.10		JOINTS Movement Joints Expansion joint filled in with bitumen impregnated fibre board between vertical concrete and brick surfaces: 10mm Vertical joints in masonry work.	m	13.5		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 3 : PRE-CAST CONCRETE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		Standard prestressed fabricated lintels including bedding bearing ends in cement mortar and propping as necessary: 102 x 70mm Lintels in lengths not exceeding 1500mm (Prov.)	m	18		
3.2		102 x 70mm Lintels in lengths not exceeding 3500mm (Prov.)	m	8		
3.3		Pre-cast Products Pre-cast concrete gulley surround	No	1		
3.4		'Winblok' pre-cast modular concrete window surrounds, built-in, to manufacturer's specifications: 600 x 600mm, WB66, 260mm deep	No	45		
3.5		E.O, supply and fit 600 x 600mm Winblok Nest Screen WB66-NS, using concrete epoxy adhesive, bonded to Struck Face of Winblok Concrete Surround, on external face of building, left untreated. All as per suppliers specifications.	No	45		
		Pre- Cast Table and Benches (Supply deliver and install / mount)				
		Pr-cast Concrete Table type "Vendor Table 1" by LG Green or similar, 840mm(W) x 2100mm (L) x 1050mm (H), or similar approved.	No	4		
		Pr-cast Concrete Bench: 500mm(W) x 1600mm (L) x 500mm (H), or similar approved.	No	8		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 4 : MASONRY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Masonry Brickwork to consist of SABS approved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
		<b>Foundation Brickwork</b>				
4.1		115mm Foundation walls (NFX)	m <sup>2</sup>	1		
4.2		230mm Foundation walls (NFX)	m <sup>2</sup>	45		
		Welded mesh brick reinforcement built horizontally into walls and lintels:				
4.3		75mm Wide reinforcement	m	20		
4.4		150mm Wide reinforcement	m	180		
		<b>Super structure brickwork :</b>				
4.5		115mm Wall (NFP)	m <sup>2</sup>	45		
4.6		230mm Wall (NFP)	m <sup>2</sup>	130		
4.7		115mm Beam filling 200mm high extreme.	m <sup>2</sup>	10		
		<b>Extra Over brickwork:</b>				
4.8		E.O Item 4.2 - 4.7 for exterior brick skin in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	160		
4.9		E.O For exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m	5		
4.10		E.O for brick-on-edge roller course over window & door openings	m	6		
		<b>Sundries</b>				
		Welded mesh brick reinforcement built horizontally into walls and lintels on each course.				
4.11		75mm Wide reinforcement	m	180		
4.12		150mm Wide reinforcement	m	520		
		Galvanised hoop iron cramps, ties, etc:				
4.13		30 x 1,6mm Roof tie 1500mm long with one end fixed to timber and other end built into brickwork, min. 6 courses or cast onto ring beam..	No	40		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 5 : WATERPROOFING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.1		Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:  In walls	m	60		
5.2		One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape under surface beds including turning over brickwork for:  Surface Bed, Veranda & Aprons	m <sup>2</sup>	230		
5.3		Flashings etc. (Provisional) Sika Sealoflex or similar approved flexible acrylic waterproofing flashings applied in strict accordance with the manufacturer's requirements:  Joint sealants: Sikaflex 1A or similar approved polyurethane sealing compound including backing cord, bond breaker, primer, etc:  10 x 10mm In expansion joints in floors. (Prov.)	m	10		
5.4		10 x 10mm In expansion joints vertically between brickwork.	m	15		
5.5		Waterproof emulsion between brick skins in exterior 230mm walls to lintel level of highest door.  Brixeal' or similar approved waterproof emulsion, applied to bagwashed interior skin of brickwork.	m <sup>2</sup>	130		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 6 : ROOF COVERINGS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.1		Chromadek' or similar IBR profiled roof sheeting and accessories fixed to timber purlins in accordance with the manufacturer's specifications: 0.58mm 'Chromadek' IBR roof sheeting with 20 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	140		
6.2		0.58mm 'Chromadek' IBR Veranda sheeting with 5 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	175		
6.3		Chromadek' or similar ridge capping to match roof sheeting including closure plates with polyclosers to manufacturer's specifications.	m	30		
6.4		Roofing Insulation - Supply, deliver to site, erect and fix insulation under sheeting, etc., including the supply of all necessary fasteners, etc. Sisalation: Residential RPP' or similar approved aluminium foil insulation laid taut over purlins and fixed concurrent with roof covering, including laps over purlins .	m <sup>2</sup>	120		
6.5		40mm Chicken mesh or similar suspension pulled taught over purlins to take insulation as measured above.	m <sup>2</sup>	120		
6.6		RAINWATER GOODS Continuously rolled aluminium gutters with 'Dark Dolphin' chromadek finish and fixing brackets along roof line.	m	20		
6.7		3.0m Long downpipes to go with guttering.	No	3		
TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 7 : CARPENTRY AND JOINERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Roofs, Structural timber etc. All timber to be min. grade S5				
		Pre-fabricated roof construction, designed & manufactured by specialist. Plate nailed timber roof truss construction formed of sawn softwood with patent galvanised plate nailed connections fixed in position:				
7.1		Gangnail truss, as per detailed drawings including all permanent bracing, runners etc.. (wall plates & purlins elsewhere)	Roof	1		
7.2		Issue of TR1 & TR2 Certificate for both roofs	Item	1		
7.3		76 x 76mm planed tilter batten including fixing with hurricane clips.	m	53		
7.4		76 x 38mm Wall plate	m	50		
7.5		50 x 76mm Purlins including fixing to trusses using hurricane clips.	m	110		
7.6		38x50mm Planed fascia runner fixed to u/s of truss rafter.	m	55		
		Sundries:				
7.7		Allowance for 'Teco' products, nails, bolts e.g Truss hangers, hurrican clips etc.	Sum	1		
7.8		Two coats carbolinium or similar approved on all exposed timber before fixing. (Prov.)	m <sup>2</sup>	30		
		Eaves, verges etc.				
		Everite' high density pressed 'Nutec' or similar cement fascia boards with aluminium H-profile jointing strips screwed to roof timbers with brass screws:				
7.9		10 x 225mm Tempered fascia board.	m	55		
		Solid Meranti Doors & Frames - Manufactured, supplied and installed:				
7.10		D1 - Meranti BB - Square Jointed or similar approved door, 813mm wide x 2032mm high hung to steel frame.	No	6		
7.11		D2 - 813mm wide x 1950mm high Hardboard faced, solid core flush panel door, hung to steel frame.	No	3		
		Built-in cupboards: Modular cupboards from 18mm melamine faced chipboard, with shelves and doors and 32mm laminated saligna worktop. All as detailed on drawing for:				
7.12		Kitchen - Allow a provisional sum for built-in cupboards by specialist, including fixing to walls, cutting to fit s/s zink etc. R30 000.00	Sum	1		
7.13		E.O for Contractor's Mark-up and attendance	%	30000		
7.14		Counter Tops: 600mm wide x 30mm thick Rustenburg Granite	m	7		
7.15		E.O for 100mm high Rustenburg Granite upstand / splashback.	m	7		
CARRIED FORWARD						

BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

SECTION 7 : CARPENTRY AND JOINERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7.16		BROUGHT FORWARD 1.8m x 0.9m Pin board with rebated meranti timber frame and soft board panel covered with pinboard carpeting.	No	1		
7.17		Storeroom shelving: 300mm wide shutterboard shelving. (Excl. Metal brackets) All as detailed.	m	20		
TOTAL FOR SECTION 7 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 8 : CEILINGS, PARTITIONS AND ACCESS FLOORING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.1		Nailed up ceilings 4mm 'Nutech' or similar fibre cement board with H-profile cover strips over joints or similar approved:  Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres in one direction and all header joints and perimeter edges.	m <sup>2</sup>	90		
8.2		Extra over ceiling and branderling for 600 x 600mm trap door and frame and H-profile grid fitted flush in opening including any additional branderling.	No	2		
8.3		Board cornice: 75mm Gypsum plaster board coved cornice	m	100		
TOTAL FOR SECTION 8 CARRIED FORWARD TO SUMMARY						



## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 9 : IRONMONGERY

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9.1		Door Ironmongery - Supply and install the following door hardware in stainless steel finish to the following: Door D1 - 'Union' - Radius lever CZ 692-24SC with Union 2 lever upright lock 2295 - 78SS.	No	6		
9.2		Door D2 - Union: 111mm Dove cupboard pull handle with bolt through fixing AL5516AS fitted with Union: AL8298AS Aluminium bathroom WC indicator bolt.	No	3		
9.3		40mm Key - alike padlocks Accessories	No	2		
9.4		Door stop Nameplates and symbols:	No	18		
9.5		150 x 150mm White chromadec with red border fire fighting pictogram with red fire fighting arrow, symbol or escape sign. SIGNAGE	No	6		
7.23		0.6m x 1.2m White Chromadec Singage board depicting "SPORT CLUB HOUSE" .. etc with funders logo, complete mounted to building walls Bathroom fittings Rails, etc:	No	1		
9.6		19mm Chromium plated towel rail 600mm long with Solid 260/E40 end brackets	No	6		
9.7		Thief proof toilet roll holder as Natal Ironmongers sample B 1682	No	7		
TOTAL FOR SECTION 9 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 10 : METALWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10.1		Pressed steel galvanised door frames 1,2mm Double rebated steel frame suitable for half-brick wall including building in:  Galvanised Frame for door (D1, & D2) 813mm wide x 2032mm high  Standard aluminium frames in 'Anolock bronze 543 finish. Supply and fit standard, pre-glazed, aluminium Door & Window frames to manufacturer's specification.  'Winblok' Window Inserts: Winvent Aluminium - Central Pivot (WVA66DTT-N4C) in 'Anolock bronze 543 finish, fixed with SPM40SG Neutral-Cure Hybrid Sealant (non-ascetic), into the rebate of the Winblok for:	No	9		
10.2		Central Pivot Frame Unit with factory fitted 4mm Clear Glazing.	No	41		
10.3		Central Pivot Frame Unit with factory fitted 4mm Obscure / Stippled Glazing, to Ablutions.	No	4		
10.4		Aluminium Sliding Door:  Type OXXO, 3.6m wide x 2.1m high , 'Anolock bronze 543 finish, supplied and fitted by specialis, complete with push- locksets, door handles etc	No	1		
10.5		Security Gates: Manufactured, Galvanised & built-in as per details on drawings for:				
10.5		Security Gate Type G1 - Single Leaf - 880 x 2013mm high.	No	3		
10.5		Security Gate Type G6 - 3.6m horizontally- folding, fully retractable security system	No	1		
10.6		Shelving & Worktop Brackets  Metal shelving bracket from 40 x 40mm equal angle, 2.1m long, fixed to wall with rawl bolts to hold 5 shelves - as detailed on drawing.	No	5		
10.7		Veranda Roof Structure  Supply manufacture and Install, by steel specialist, veranda roofing system, for:  Allow for taking measurements on-site and preparation of shop manufacturing drawings for review and approval by structural engineer, for Veranda Steel stucture.	Sum	1		
10.8		120 x 60 x 3.0mm Rectangular Hollow Sections Raftes and Purlins	kg	860		
10.9		40 x 40 x 5mm Equal Angles - Arhitectural Feature	kg	120		
10.10		60mm x 60mm x 2.5mm Rectangular Hollow Sections - Veranda Posts.	kg	160		
10.11		E.O for Custom steel brackets, connections, baseplates etc	kg	120		
CARRIED FORWARD						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 10 : METALWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10.12		BROUGHT FORWARD E.O for Hot Dipped Galvanised for veranda steel structure Veranda Fence Screens The following fence is to be erected as an Internal Screen Fence to demarcate spactaors and Sports participants.	kg	1300		
10.13		"De-fence MAX" or similar approved mesh panels fencing system: Panels Appox 2900mm wide x 2400mm high galvanised & powder coated • 3-4mm Horizontal / Verticle wires with aperture size (centres) at 76.2mm x 12.7mm panel formation. • Panel reinforced with 'V' formation horizontal recessed bands (rigidity) Interlocking tamperproof fixing system to posts Refer to drawing.	m	18		
10.14		E.O for Spike toppings (Housetech Tiger Tooth Wall Spike) supplied and installed along fence top perimeter. GATES Refer to Window and Door schedule, and supply manufacture and install, for:	m	24		
10.15		Security Gate Type G5 - Sliding Gate - 2880 x 2275mm high.	No	2		
10.16		E.O for gate rail beam, ect to complete installation.	No	2		
TOTAL FOR SECTION 10 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 11 : PLASTERING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11.1		Cement screeds - Sand / cement finish (3:1) steel trowelled to a smooth polished surface in panels not exceeding 6 m2 on concrete:  25mm Thick on floors and landings (Provisional)	m <sup>2</sup>	5		
11.2		25mm Thick on treads and risers of stairs, kerbs, thresholds, etc. (Provisional)	m <sup>2</sup>	5		
11.3		Plaster, 12mm thick 1:5 Cement plaster finished with steel trowel:  Internal Walls	m <sup>2</sup>	300		
11.4		External Walls & Beams	m <sup>2</sup>	5		
TOTAL FOR SECTION 11 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 12 : FLOOR FINISHES AND WALL TILING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		FLOOR TILING				
		Floor Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m <sup>2</sup> tile cost)				
12.1		To floors	m <sup>2</sup>	90		
12.2		E.O for tile skirting (cut to 100mm)	m	100		
		Tiling Sundries				
12.3		Metal tile edging to doors etc. (Provisional)	m	4		
		WALL TILING				
		Wall Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R230/m <sup>2</sup> tile cost):				
12.4		Office - Kitchen & Toilet walls	m <sup>2</sup>	34		
TOTAL FOR SECTION 12 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 13 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.1		Allow a provisional amount, for the client to select/buy sanitary ware & accessories:  Sanitary ware from approved supplier e.g. WC suites, wash hand basins, taps, shower doors etc.	Sum	1	15 000.00	15 000.00
13.1.1		E.O. for above for delivery to site and contractor's profit mark-up.  Extra over to above: Install as per supplier specifications, the following.	%	15000		
13.2		WC (Pan & Cistern)	No	4		
13.3		Wash hand basins	No	4		
13.4		General bathroom accessories (Towel rails, roll holders, soap dishes, etc)	No	1		
13.5		Supply and install sanitary fittings fixed in position, making all connections and jointing to pipes:  Paraplegic WC - 'Vaal Sanitary ware vitreous china Protea' Paraplegic 90° outlet pan and matching 9 litre cistern complete with lid, fitments and purpose-made C.P. side-flush lever.	No	1		
13.6		Paraplegic WHB - White 'Vaal' Wash hand basin to be 'Vaal Sanitary ware Hibiscus' basin or similar approved.  Supply & Fit - Cobra Fittings Valves, taps, etc:	No	1		
13.7		½" Chrome plated pillar tap fixed to WHB for Cold water only.	No	3		
13.8		Basin connector hose with 232 angle regulating valve.	No	3		
13.9		Cistern connector hose with 232 angle regulating valve.	No	4		
13.10		Basin waste: 1¼" Chrome plated basin waste with slotted shank, plug chain & stay (code 301-32) from cobra or similar approved.	No	3		
13.11		Basin waste: 1¼" S trap with outlet to 40mm uPVC.	No	3		
13.12		To Paraplegic WHB  505-21 1/2" Elbow Action Pillartap, CP finish  Cobra' or similar approved Fittings Valves, taps, etc:	No	1		
13.13		Cobra' or similar K 300 B pressure control valve with ballstop shut off valve.	No	1		
13.14		Stainless Steel Products  Paraplegic toilet grab rails: 32 mm stainless steel side grab rail, with 32 mm stainless steel rear grab rail around cistern. Grab rails as supplied by 'Chairman Industries' or similar approved.	Sets	1		
CARRIED FORWARD						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 13 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.15		BROUGHT FORWARD 1800mm 'Franke Curvline CVN 622' or similar approved insert sink (drop in).	No	1		
13.16		Hot & Cold water plumbing, including all pipes, fittings, connections, testing etc. Hot & Cold water copper pipe plumbing complete to Kitchen & Cold water only to Toilets, Basins. Allow for 22 & 15mm copper piping reticulation to sanitary fitting.	Item	1		
13.17		150 Litre kwikhot direct solar geyser with direct thermosyphon, close couple, installed on flat roof frame (optional extra) complete with 16 vacuum tubes, including, pressure regulating valve and all required fittings. All installed on conc roof.	No	1		
13.18		Soil and vent drainage, including all fittings, junctions, couplings and sundry works. Soil and Vent Sewage plumbing complete for Kitchen & WHB to toilet pits.	Item	1		
13.19		Underground drainage plumbing, including all, fittings, junctions, connections & testing. Underground plumbing inclusive of Rodding, Cleaning & Inspection eyes, bends, junctions, 110mm Sewage piping etc.	m	100		
13.20		Allow for trenching excavations, up to 1.2m deep & backfilling to install underground drainage & plumbing.	m	100		
13.21		E.O for river sand bedding Sewage Manholes	m <sup>3</sup>	25		
13.22		Construct sewer manholes as per plan, including excavation, concrete base, brickwork, plaster and manhole cover.	No	4		
CARRIED FORWARD						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 13 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.23		BROUGHT FORWARD Water Supply Connection: 25mm - Brass fullway gate valve	No	1		
13.24		Fire appliances: 4,5 kg Dry chemical powder fire extinguisher mounted to wall with timber backing board.	No	2		
TOTAL FOR SECTION 13 CARRIED FORWARD TO SUMMARY						



## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 14 : GLAZING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.1		Glazing to steel frames including putty and hardner. Clear float glass:  4mm Thick in squares exceeding 0,1 and not exceeding 0,5 square metres to window frames. (Provisional)	m <sup>2</sup>	1		
14.2		Glazing to steel frames including putty and hardner. Patterned (Obscure) glass:  4mm Thick in squares exceeding 0,1 and not exceeding 0,5 square metres to entrance steel door. (Provisional)	m <sup>2</sup>	1		
14.3		6 mm Silvered float glass copper backed mirrors with polished edges and bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork for:  450 x 600mm Mirror to Ablution walls, over WHB.	No	3		
TOTAL FOR SECTION 14 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 15 : PAINTWORK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.1		On ceiling boards prepare, prime nail heads and paint one coat undercoat / sealer as required and two coats acrylic PVA paint. (Colour : White) on: Ceilings, cover strips and cornices	m <sup>2</sup>	90		
15.2		On Metal Prepare and paint one coat undercoat and 2 x coats 'Plascon' or similar approved Velvaglo Enamel. (Colour: Matt black) on: Steel shelving brackets	m <sup>2</sup>	5		
15.3		On Timber Prepare and paint one coat undercoat and 2 x coats 'Plascon' or similar approved Velvaglo Enamel. (Colour: White) on: Solid toilet doors	m <sup>2</sup>	12		
15.4		Three coats "RYSTIX" EXTERIOR ARMADEK, or similar approved solvent sealer with stainer / colourant: Mahogany). Apply first two coats to timber members before fixing and applied to manufacturer's specifications, on: Timber doors.	m <sup>2</sup>	24		
15.5		Shutter board shelving On Walls	m <sup>2</sup>	10		
15.6		Prepare and paint 1 x Universal undercoat and 2 x coats 'Plascon' Double Velvet' or similar approved on: Internal Walls: Colour - To be confirmed / VEL 17 Broken White.	m <sup>2</sup>	300		
15.7		Prepare and paint 1 x Universal undercoat and 2 coats 'Plascon' Micatex or similar approved on: External walls & Plastered beams: Colour - To be confirmed / BBO307 Topaz	m <sup>2</sup>	10		
TOTAL FOR SECTION 15 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 16 : ELECTRICAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16.1		Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.  Distribution Board  DB Unit completed with Neutral & Earth bars, fitted with min.: • 1 x 63A DP MCB (Mains); • 1 x 63A ELU 30mA; • 1 x 32A SP MCB (Stove); • 1 x 32A SP MCB (A/C); • 1 x 16A SP+N (Geyser); • 1 x 10 A SP MCB (Lights); • 1 x 20A SP MCB (Plugs)  Wiring - Refer to electrical layout on drawing and install, under plaster, with minimal chasing, if at all required:	No	1		
16.2		Lights: 1.5mm <sup>2</sup> , 2 core & earth.	No	19		
16.3		Plugs: 2.5mm <sup>2</sup> , 2 core & earth.	No	7		
16.4		Stove: 4mm <sup>2</sup> , 2 core & earth.	No	1		
16.5		Geyser: 4mm <sup>2</sup> , 2 core & earth.	No	1		
16.6		Aircon: 4mm <sup>2</sup> , 2 core & earth.	No	1		
16.7		Light Switch - Surface mounted 2x4 light switch with extension box for:  1 or 2 Lever L/Switch, as required.	No	6		
16.8		Plug point - Surface mounted 4x4 double plug with extension box for:  Double Plug Point	No	7		
16.9		Stove Isolator  32A Isolator with 4x4 extension box	No	1		
16.10		Light Fittings (Installed to Ceilings / Exterior masonry)  Rooms: Opal fitting & Lamp - 6 PVC Bowl & Ceramic Lamp holder complete with 5W LED lamp.	No	5		
16.11		Exterior Wall Light: 50W, Amber LED Floodlight (IP65)	No	6		
16.12		Ceiling / Wall mounted LED light - 1500mm T8 LED Double vapour proof linear light (IL65)	No	8		
16.13		Testing & Certificate of Compliance  Testing of installation and Issue CoC by registered Electrician  Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.	Complex	1		
CARRIED FORWARD						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 16 : ELECTRICAL

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
16.13.1		Main supply cable from main power supply, to include, installation, joining etc. in sleeve (measured elsewhere)				
		Supply and install main supply cable: 50mm <sup>2</sup> x 4 core (Size to be confirmed)	m	100		Rate Only
16.13.2		Supply and install main supply cable: 16mm <sup>2</sup> x 4 core (Size to be confirmed)	m	100		
16.13.3		Allow for trenching excavations, cable marker tape & backfilling to install electrical cable, 600mm deep.	m	100		
		Sleeves, bends etc.				
		Supply and install sleeves, bends etc. during the building process:				
16.13.4		50mm PVC sleeve pipe	m	6		
16.13.5		50mm PVC long radius bend	No	2		
16.13.6		75mm PVC sleeve pipe	m	6		
16.13.7		75mm PVC long radius bend	No	2		
16.14		LIGHTNING PROTECTION				
		Supply and install complete:				
16.14.1		20mm PVC conduit, surface mounted to brickwork, concrete, steel, wood etc.	m	20		
16.14.2		50mm <sup>2</sup> Aluminium alloy conductor complete with conductor guides, expansion loops, etc installed in sleeve and fixed to roof sheeting.	m	40		
16.14.3		50mm PVS conductor jumpers 500mm long	No	2		
16.14.4		Steel core reinforced copper spike (rod) 1200 x 166mm diameter and brass couplings with driving cap driven into ground.	No	2		
16.14.5		Termination including lags, bolts, washers, and nuts.	No	2		
TOTAL FOR SECTION 16 CARRIED FORWARD TO SUMMARY						

## BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS

## SECTION 17 : FURNITURE &amp; AIR CONDITIONING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17.1		FURNITURE Allow the amount of R30 000 for general office furniture.	Item	1	30 000.00	30 000.00
17.1.1		Profit and attendance on the above 17.1, if required.	%	30000		
		AIR CONDITIONING Supply and install the following air conditioning units as by specialist sub-contractor:				
17.2		16 000 BTU Air conditioner.	No	1		
17.3		E.O for Metal cage over A/C unit, to protect against theft / vandalism	No	1		
TOTAL FOR SECTION 17 CARRIED FORWARD TO SUMMARY						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 1 : EXCAVATION (PIPE TRENCHES)

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	8.3.2 (a)	Allow for surveying / pegging / setting out of pipeline route.	m	900		
		Min. 600mm wide trench - Machine excavate in all materials for pipeline trenches, backfill, compact and dispose of surplus material for the following depths as per plan.				
1.2		Excavations of 0.0m - 1.2m	m	900		
1.3	8.3.2 (c)	Extra over 1.2 to 1.3 for intermediate excavation.	m <sup>3</sup>	50		
1.4		Excavate and dispose of unsuitable material from trench bottom (Provisional)	m <sup>3</sup>	20		
		Temporary works: Control water inflow:				
1.5	8.3.4(b)	Extra over 1.2 to 1.3 for keeping excavations free from water (including provision of equipment, operation and maintenance and removal of equipment.)	Sum	1		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 2 : PIPES AND FITTING: HDPE PIPELINES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	8.2.2	PIPES: Supply, lay, and bed Class A bedding joint, incl cut pipes to length where required, test and disinfect:  High Density Polyethylene Piping (HDPE) Manufacture & Certified to SABS ISO 4427 for PE100 type piping.				
2.1		110mm HDPE PN10 SDR 17 (Scours - Supplied in 50m Coils)	m	30		
2.2		50mm HDPE PN10 SDR 17 (Scours - Supplied in 100m Coils)	m	320		
2.3		50mm HDPE PN6.3 SDR 21(Scours - Supplied in 100m Coils)	m	620		
		Compression Fittings - 16 Bar rated or similar approved e.g Magnum' / 'Plasson' / 'Philmac' / 'Unidelta' / Alprene-polyEasy'				
2.4		110mm Coupling	No	--		Rate Only
2.5		110mm Equal Tee	No	--		Rate Only
2.6		110mm x 2" Saddle	No	--		Rate Only
2.7		110mm x 3/4" Saddle	No	--		Rate Only
2.8		110mm x 4" Flange Adapter	No	2		
2.9		50mm Coupling	No	10		
2.10		50mm Equal Tee	No	2		
2.11		50mm x 2" Male Adapter	No	2		
2.12		50mm x 2" Flange Adapter	No	4		
2.13		50mm x 1" Saddle	No	5		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 3 : BEDDING &amp; BLANKET

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		PROVISION OF BEDDING				
		Available from trench within 0,5 km (Subclause 3.4.1)				
3.1	8.2.1	a) Selected granular bedding material	m <sup>3</sup>	125		
3.2		b) Selected fill blanket material	m <sup>3</sup>	90		
		Imported from				
	8.2.2.1	a) Other necessary excavations within 0.5 km (Provisional)				
3.3		1) Selected granular material	m <sup>3</sup>	5		Rate Only
3.4		2) Selected fill blanket	m <sup>3</sup>	5		Rate Only
	8.2.2.2	b) Borrow pits (Provisional)				
3.5		1) Selected granular material	m <sup>3</sup>	5		
3.6		2) Selected fill material	m <sup>3</sup>	5		
	8.2.2.3	c) Commercial sources (Provisional)				
3.7		1) Selected granular material	m <sup>3</sup>	10		
3.8		2) Selected fill material	m <sup>3</sup>	10		Rate Only
		GENERAL				
3.9		Supply and install water line / Valve markers as per detail and painted acrylic paint.	No	10		
3.10		15Mpa Mass concrete to thrust blocks and pipeline markers along pipeline incl. formwork	m <sup>3</sup>	2		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						



## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 4 : VALVES AND VALVE CHAMBERS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4.1		<p>Manufacture and/or procure, deliver and install the following pipes and pipe fittings, valves, flange adapters, galv. bolts &amp; nuts, I-Rings etc. to the following chambers:</p> <p>Valves &amp; Fittings - All fittings shall have Table 16, as detailed and hot dipped galvanised to SABS 763</p> <p>Fire Hydrant:</p> <p>Supply all materials and construct '90mm HDPE / 110mm uPVC Fire Hydrant' as per detailed drawing, complete with all pipework, specials, concrete works etc.</p> <p>Meter Chamber:</p> <p>Refer to detailed drawing, and supply and install all piping, valves, meters, specials &amp; fittings, as detailed in schedule, for for Municipal Bulk Water Meter Valve chamber.</p>	No	1		
4.2		<p>For 100mm and 50mm dia GMS Pipe, manifold, valves and metering complete</p> <p>Gate Valve</p>	No	1		
4.2.1		<p>Irrigation Gate valve installation complete. Refer to drawing for the following:</p> <ul style="list-style-type: none"> <li>• 2" Brass Gate Valve;</li> <li>• 2 x 50x2" Male adapters (compression)</li> <li>• PVC Valve Box cover, with locakble lid, and 160mm Ø PVC sleeve pipe.</li> <li>• 300mm Concrete apron surround</li> </ul> <p>VALVE CHAMBERS CIVIL WORKS</p> <p>Refer to drawing &amp; construct the following civil works:</p> <p>Water Meter Valve Chamber: Supply materials &amp; construct meter chambers to pipeline.</p>	No	5		
4.3		<p>Civil' Work: 16Bar Rated Water Meter Valve chamber (Masonry Valve chamber complete with Concrete floor and cover slab), as per detailed drawing consisting of the following main components:</p> <ul style="list-style-type: none"> <li>* Earthworks (Excav. &amp; Backfilling)</li> <li>* Masonry Walls</li> <li>* Concrete base and cover slab, Formwork &amp; Rebar.</li> <li>* Galvanised &amp; Concrete Items: Galv. MH Lid, Ladder, Drainage pipe etc. (50mm Dia. Drainage pipe to daylight measured elsewhere)</li> </ul>	No	2		Rate Only
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 5 : GROUND STORAGE TANK

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.1	SABS 1200 GA	GROUND STORAGE TANK Refer to detailed drawing and construct Water Storage facility.  CONCRETE SLAB, APRONS & V-DRAINS CONCRETE (SMAL WORKS)				
5.2	8.2	FORMWORK				
	8.2.3	Vertical narrow widths (up to 150mm)	m	43		
	8.1.2	REINFORCEMENT				
	8.3.2	High-tensile welded mesh reinforcement				
5.3	8.3.2	High-tensile welded mesh ref 245.	m <sup>2</sup>	100		
	8.4	CONCRETE				
5.4	8.4.3	Supply and cast Strength concrete, Grade 20Mpa / 19mm for general works.	m <sup>3</sup>	14		
	8.4.4	UNFORMED SURFACE FINISHES				
5.5		Wood-floated	m <sup>2</sup>	100		
	8.5	JOINTS				
5.6		Construction joints	m	15		
5.7		Saw cut joints	m	30		
		SUNDRIES				
5.8		250 Micron USB Green water proofing membrane	m <sup>2</sup>	100		
5.9		Insecticide soil poisoning, by specialist under concrete slabs	m <sup>2</sup>	100		
5.10		STORAGE TANKS & PIPEWORK				
5.10.1		10 000 litre (Jojo) or similar supplied, vertical water storage tank, made from LLDPE, UV Stabilised and black inner layer. Complete supplied, delived and installed on concrete slab.	No	6		
5.10.2		E.O item for strapping / fixing tanks down in permanet position, with anchor cables, as per contractor's method statement. Must be storm wind and corrosion resistand.	Tanks	6		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

BILL 14 : BACK-UP WATER SUPPLY

SECTION 6 : PRESSURE BOOSTER PUMP

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.1		PRESSURE BOOSTER PUMP Water Pressure Booster Pump Complete (Walrus TQ1500)	Sum	1		
6.2		Security Cage Security Cage - 1.5m x 1.5m x 2.0m, fully covered with metal sheeting and lockable door. - Shop Draings by Contractor	Sum	1		
TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 7 : MUNICIPAL BULK WATER CONNECTION FEE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7.1		Municipal Bulk Water Connection Fee (Provisional Sum)				
		Provisional Sum for Municipal Bulk Water Supply Connection Fee: R20 000.00	PC	1	20 000.00	20 000.00
7.1.1		Contractor's overheads, charges, attendance and profit on item above: %	%	20000		
TOTAL FOR SECTION 7 CARRIED FORWARD TO SUMMARY						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 8 : BOREHOLE DRILLING &amp; EQUIPPING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.1		<b>PR FEES: SITE ASSESSMENT &amp; IMPLEMENTATION</b>  Site Selection or Feasibility and Geophysical Investigation by Geohydrological Professional				
8.1.1		Geophysical Field Work - Identification of potential borehole positions	No	1		
8.1.2		Feasibility Report (with recommendations and prescriptions, BOQ if required)	No	1		
		Implementation including borehole drilling supervision, test pumping supervision, water quality & recommendations				
8.1.3		Drilling supervision	No	1		
8.1.4		Test pumping supervision	No	1		Rate Only
8.1.5		Collect & delivery of samples to lab	No	1		
8.1.6		Reporting per borehole including data analysis, abstractu in recommendations and borehole registration with Dept. of Water Affairs	No	1		
8.1.7		Travelling	km	500		
8.2		<b>DRILLING OF BOREHOLE</b>				
8.2.1	PC2.2.1	Inclusive of provision for all types of drilling techniques, borehole construction and borehole rehabilitation	No	1		
		<b>DRILLING RIG SET-UP</b>				
8.2.2		a) Air Percussion Set-up	No	1		
		<b>DRILLING</b>				
	PC2.3.1	<b>AIR PERCUSSION DRILLING</b>				
		a) Drilling Depth Range : 0 - 150m				
8.2.3		i) 254 mm (10")	m	10		Rate Only
8.2.4		ii) 219 mm (8.5")	m	20		Rate Only
8.2.5		iii) 165 mm (6.5")	m	120		
	PC2.4	<b>DEVELOPMENT AND CAPPING</b>				
8.2.6	PC2.4.1	DEVELOPMENT AND BLOW YIELD TESTING	hr	1		
8.2.7	PC2.4.4	FILTER PACK/GRAVEL PACK  Graded sand (grain size specified by the Employer's Representative) minimum 0,5 cubic metres supplied at a time	m <sup>3</sup>	10		
8.2.8	PC2.4.6	SANITARY SEAL	No	1		
8.2.9	PC2.4.7	CAPPING OF BOREHOLE	No	1		
8.2.10	PC2.4.9	DISINFECTION OF BOREHOLE	kg	1		
CARRIED FORWARD						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 8 : BOREHOLE DRILLING &amp; EQUIPPING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
	PC2.5	CASING				
	PC2.5.1	MILD STEEL CASING				
8.2.11		a) Plain - 177mm (OD)				
		ii) 4.0 mm	m	30		
8.3		<b>TEST PUMPING OF BOREHOLE</b>				
	PC2.6.1	ESTABLISHMENT				
8.3.1		Inclusive of provision for all types of test pumping	No	1		
8.3.2	PC2.6.3	COLUMN AND SHAFT INSTALLATION AND REMOVAL	m	120		
8.3.3	PC2.6.4	CALIBRATION TESTING	hr	1		
8.3.4	PC2.6.5	VARIABLE DISCHARGE TEST	hr	4		
		Typically 4 x 60 minute steps				
8.3.5	PC2.6.6	CONSTANT DISCHARGE TEST	hr	24		
		Payment will be made for a minimum pumping time of 6 hours if the boreholes runs dry.				
8.3.6	PC2.6.8	RECOVERY	hr	24		
8.3.7	PC2.6.10	LAYING OF DISCHARGE PIPE	m	10		
CARRIED FORWARD						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 8 : BOREHOLE DRILLING &amp; EQUIPPING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
	PC2.6.11	SAMPLING/DELIVERING WATER SAMPLES				
8.3.8		Rate to include testing and travelling	No	1		
8.3.9	PC2.6.13	CAPPING OF BOREHOLE	No	1		
8.3.10	PC2.6.14	REPORTING	No	1		
8.4		<b>EQUIPPING OF BOREHOLE</b>				
8.4.1		Electrical connection including Panel all materials and a compliance certificate by qualified electrician. (Panel to include hour meter, volt meter, amp meter, 24 hr timer, now flow switch, low leve cut off and pressure switch)	Sum	1		
		Supply and installation of Pump, Valves Fittings etc				
		Supply of all materials, fittings etc as approved by the Engineer				
8.4.2		Allow a provisional sum of R80 000 to purchase pump and motor to Engineers specification and deliver to site	Sum	1	80 000.00	80 000.00
8.4.3		Contractor's markup	%	80000		
8.4.4		Installation of pump as per items 8.4.1 and 8.4.2.	Sum	1		
8.4.5		Boreline Hose 50mm complete with straps	m	100		
8.4.6		Boreline Coupling 50mm SS 304	No	2		
8.4.7		10mm2 x 4-core SABS submersible green cable	m	83		
8.4.8		76mm Base plate with fittings	No	1		
8.4.9		Grundfos Kit Cab term unas wplug 10mm2	No	1		
8.4.10		16mm2 x 4 core ECC cable from meter box to borehole	m	100		
		Supply and installation of all materials, fittings etc as approved by the Engineer				
8.4.11		01 - 1 1/2" dia BSP union and galvanised nipple.	No	1		
8.4.12		02 - 1 1/2" - 50mmØ Reducer.	No	1		
8.4.13		03 - 50mmØ Male threaded pipe 250mm long.	No	1		
8.4.14		04 & 05 - 50mmØ Male threaded pipe, with 90° long radius bend and 1x T16 Flange.	No	1		
8.4.15		06 - 50mmØ Double door non-Return valve.	No	1		
8.4.16		07 - 50mmØ Straight pipe 400mm long with 2 x 1" Forged Coupling to BS 3799 (ANSI B16.11), T16 flanged.	No	1		
8.4.17		08 - 50mm dia Sensus (Meinecke) WP water meter, T16 flanged.	No	1		
CARRIED FORWARD						

## BILL 14 : BACK-UP WATER SUPPLY

## SECTION 8 : BOREHOLE DRILLING &amp; EQUIPPING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.4.18		BROUGHT FORWARD 09 - 50mmØ Straight 600mm long, with 50mmØ branch 300mm long with 1" Forged Coupling to BS 3799 (ANSI B16.11), T16 flanged.	No	1		
8.4.19		10 - 50mmØ Straight 820mm long with 50mm dia brach 300mm long, T16 flanged.	No	1		
8.4.20		11 - 50mmØ 90° Long radius bend, T16 flanged.	No	2		
8.4.21		12 - 50mmØ Straight 1000mm long, T16 flanged.	No	1		
8.4.22		13 - 80-50mmØ Concentric reducer, T16 flanged.	No	1		
8.4.23		14 - 75mmØ x 3" HDPE Flange adapter with backing ring, T16 flanged.	No	1		
8.4.24		15 - 50mmØ RS Gate Valve to SABS 664 with hand wheel or similar approved, T16 Flanged.	No	2		
8.4.25		16 - 50mmØ Variant 050LW25 air valve or similar approved, T16 flanged.	No	1		
8.4.26		17 - 50mmØ Straight pipe 450mm long with 1 x T16 flange.	No	1		
8.4.27		1/4 " pressure gauge mounted on steam socket (Min 2000kPa), complete with ball valve, mounted on 1" steam socket.	No	1		
8.4.28		No Flow Switch Model SF 1800 standard size with Aluminum Alloy housing material or similar approved, mounted on 1" steam socket.	No	1		
8.4.29		Sauter Component Pressure Switch Model DFC 17B96 F001 with 0-25 bar setting and 1.7 Br min switch diff. Wall mounted, brass option for non aggressive media or similar approved, mounted on 1" steam socket..	No	1		
8.4.30		Galvanised cage as detailed on Dwg 20-002-V-00-02-01 complete including concrete base etc.	No	1		
8.4.31		Supply and install pipe support brackets.	No	2		
8.4.32		(a) Rough formwork	m²	60		
8.4.33		(b) Reinforcement	kg	1000		
8.4.34		(g) Concrete cube test	m³	9		
8.4.35		(h) Soil Density test	no	20		
TOTAL FOR SECTION 8 CARRIED FORWARD TO SUMMARY						



**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 1 : ENTRANCE GATE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	8.3.2	ENTRANCE GATE				
1.1.1	8.3.3(a) PSD.1.1	EXCAVATION Excavate for foundations in all materials, stockpile and backfill or use for embankments to:	m <sup>3</sup>	8		
1.2	8.3.3(b) PSD.1.2	Extra-over items 1.1.1 for excavation in:				
1.2.1		Hard rock material	m <sup>3</sup>	1		
1.2.2		Boulder material, Class A	m <sup>3</sup>	1		
1.3	SABS 1200 GA	CONCRETE, FORMWORK AND REINFORCEMENT				
	8.4	CONCRETE Concrete : 15MPa/13mm Blinding, 40mm thick concrete to:				
1.3.1	8.4.2	Bottom of foundations trenches.	m <sup>2</sup>	8.2		
	8.4.3	Reinforced Concrete: 20 MPa / 19 concrete in:				
1.3.2		1000mm wide apron slab / v-drain, 100mm thick, in sloping panels with wood float finish, around entrance wall.	m <sup>2</sup>	16		
	8.4.3	Reinforced Concrete: 20 MPa / 19 concrete in:				
1.3.3		Sliding Gate Concrete Rail Beam	m <sup>3</sup>	3		
1.3.4		Concrete Coping / Topping over walls and columns	m <sup>3</sup>	1		
	8.4.3	Concrete: 20 MPa / 19 concrete in:				
1.3.5		Foundations cast as strip footings, including stepping and levelling etc.	m <sup>3</sup>	2.1		
	8.1.1 PSG.6.2	FORMWORK				
	8.2.3	Smooth horizontal plane to:				
1.3.6		Horizontal narrow widths up to 100 mm wide for side of aprons / coping etc	m <sup>2</sup>	4.7		
	8.1.2	REINFORCEMENT				
	8.3.2	High-tensile welded mesh reinforcement				
1.3.7		Type reference 245 in standard sheets	m <sup>2</sup>	16		
1.4		MASONRY				
		Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
		Foundation Brickwork				
1.4.1		230mm Foundation walls. (NFX)	m <sup>2</sup>	15		
		Welded mesh brick reinforcement built horizontally into walls and lintels:				
1.4.2		150mm Wide reinforcement	m	200		
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 1 : ENTRANCE GATE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
1.4.3		Super structure brickwork :  230mm Wall in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' from Corobrick or similar approved by Project Manager.	m <sup>2</sup>	38		
1.4.4		E.O For exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' from Corobrick or similar approved by Project Manager.	m	5		
		Sundries				
		Welded mesh brick reinforcement built horizontally into walls and lintels on each course.				
1.4.5		150mm Wide reinforcement	m	120		
1.5		WATERPROOFING				
		Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:				
1.5.1		In walls	m	16.5		
1.6		SIGNAGE				
1.6.1		1.2m x 2.4m White Chromadec Singage board depicting "SCHOEMANSDAL SPORTS STADION" .. etc with funders logo, complete mounted to building walls	No	1		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		GATEHOUSE				
		EARTHWORKS (Provisional)				
		Bulk Earthworks				
2.1.1		Cut to Stockpile - Platform	m <sup>3</sup>	25		
		Excavate by hand in earth not exceeding 1500mm deep:				
2.1.2		Foundation Trenches	m <sup>3</sup>	23		
		Extra-over items for excavation in:				
2.1.3		Intermediate material	m <sup>3</sup>	2		
		Keep excavations free of water:				
2.1.4		Keep excavations free of water.	Item	1		
		Filling etc. Earth filling obtained from the excavations and / or stock piles on site, compacted to 95% Mod. AASHTO density, unless otherwise described:				
2.1.5		Under solid floors, foundation trenches, steps, etc.	m <sup>3</sup>	2		
		Earth filling supplied by the contractor (Type G4/G5), compacted to 95% Mod. AASHTO density unless otherwise described:				
2.1.6		Under solid floors, steps, etc.	m <sup>3</sup>	3		
		Course river sand filling supplied by the contractor and compacted to 100% Mod AASHTO density:				
2.1.7		In a layer to receive damp-proofing under solid floors, etc.	m <sup>3</sup>	0.2		
		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years:				
2.1.8		Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	48		
2.2	SABS 1200 GA	CONCRETE, FORMWORK AND REINFORCEMENT				
	8.4	CONCRETE				
		Concrete : 15MPa/13mm Blinding, 40mm thick concrete to:				
2.2.1	8.4.2	Bottom of foundations trenches	m <sup>2</sup>	12		
	8.4.3	Reinforced Concrete: 20MPa / 19 concrete in:				
2.2.2		100mm Thick concrete floor slab with mesh ref. 245 (mesh measured elsewhere) with U2 (wood) finish to take tiles / carpets etc - no screeds.	m <sup>2</sup>	23		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.2.3		BROUGHT FORWARD 1000mm wide apron slab / v-drain, 100-80mm thick, in sloping panels with wood float finish, around building.	m <sup>2</sup>	22		
2.2.4	8.4.3	Concrete: 25 MPa / 19 concrete in: Foundations cast as strip footings, including stepping and levelling etc.	m <sup>3</sup>	3.2		
	8.1.2	REINFORCEMENT				
	8.3.2	High-tensile welded mesh reinforcement				
2.2.5		Type reference 245 in standard sheets.	m <sup>2</sup>	38		
2.3		PRE-CAST CONCRETE Standard prestressed fabricated lintels including bedding bearing ends in 'Wallcrete' cement mortar and propping as necessary:				
2.3.1		102 x 70mm Lintels in lengths not exceeding 1500mm (Prov.)  'Winblok' pre-cast concrete window surrounds, with standard 'winblok' inserts, built in to manufacturer's specifications:	m	3.5		
2.4		600 x 600mm, WB66, 260mm deep	No	6		
2.4.1		E.O, supply and fit 600 x 600mm Winblok Nest Screen WB66-NS, using concrete epoxy adhesive, bonded to Struck Face of Winblok Concrete Surround, on external face of building, left untreated. All as per suppliers specifications.	No	6		
2.5		MASONRY Masonry Brickwork to consist of SABS aproved burnt clay plaster bricks, on 85mm gauge, in stretcher bond, with equal horizontal and vertical joints. Foundation Brickwork				
2.5.1		230mm Foundation walls. (NFX) Welded mesh brick reinforcement built horizontally into walls and lintels:	m <sup>2</sup>	30		
2.5.2		150mm Wide reinforcement Super structure brickwork :	m	360		
2.5.3		115mm Wall (NFP)	m <sup>2</sup>	9		
2.5.4		230mm Wall (NFP)	m <sup>2</sup>	44		
2.5.5		115mm Beam filling 200mm high extreme. Extra Over brickwork:	m <sup>2</sup>	4		
2.5.6		E.O For exterior brick skin in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m <sup>2</sup>	44		
CARRIED FORWARD						

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.5.7		BROUGHT FORWARD  E.O For exterior roller coarse in 'FBS' Quality Clay Face Brick - 'Berg-en-dal Blend' - Corobrik / Peach Satin - Federale Stene or similar approved by Project Manager.	m	4.5		
2.5.8		E.O For brickwork for building in two seperate skins and applying bag wash to inside skin to take 'Brixéal' by ABE or similar approved waterproofing emulsion. (Emulsion measured elsewhere).  Sundries  Welded mesh brick reinforcement built horizontally into walls and lintels on each course.	m <sup>2</sup>	44		
2.5.9		75mm Wide reinforcement	m	30		
2.5.10		150mm Wide reinforcement	m	150		
2.5.11		Galvanised hoop iron cramps, ties, etc:  30 x 1,6mm Roof tie 1500mm long with one end fixed to timber and other end built into brickwork, min. 6 courses or cast onto ring beam..	No	10		
2.6		WATERPROOFING  Damp-proofing of walls and floors One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:				
2.6.1		In walls  One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape:	m	16		
2.6.2		Under surface beds including turning over brickwork  Waterproof emulsion between brick skins in exterior 230mm walls to lintel level of highest door.	m <sup>2</sup>	11		
2.6.3		Brixéal' or similar approved waterproof emulsion, applied to bagwashed interior skin of brickwork.	m <sup>2</sup>	44		
2.7		ROOF COVERINGS  'Chromadek' or similar IBR profiled roof sheeting and accessories fixed to timber purlins in accordance with the manufacturer's specifications:				
2.7.1		0.58mm 'Chromadek' IBR roof sheeting with 5 deg. pitch. - Colour: Dark Dolfin.	m <sup>2</sup>	24		
2.7.2		'Chromadek' or similar gable flasing to match roof sheeting	m	12		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
2.7.3		Roofing Insulation - Supply, deliver to site, erect and fix insulation under sheeting, etc., including the supply of all necessary fasteners, etc.  'Sisalation: Residential RPP' or similar approved aluminium foil insulation laid taut over purlins and fixed concurrent with roof covering, including laps over purlins .	m <sup>2</sup>	11		
2.7.4		RAINWATER GOODS Continuously rolled aluminium gutters with chromadek finish and fixing brackets along roof line.	m	10.2		
2.7.5		4.0m Long downpipes to go with guttering.	No	2		
2.8		CARPENTRY AND JOINERY  Roofs, Structural timber etc. All timber to be min. grade S5  Pre-fabricated roof construction, designed & manufactured by specialist. Plate nailed timber roof truss construction formed of sawn softwood with patent galvanised plate nailed connections fixed in position:				
2.8.1		152 x 38mm SA Pine, SABS Rafters.4.8m long, - cut to correct final length.	No	5		
2.8.2		76 x 76mm planed tilter batten including fixing with hurricane clips.	m	12		
2.8.3		76 x 38mm Wall plate	m	9		
2.8.4		50 x 76mm Purlins including fixing to trusses using hurricane clips.	m	42		
2.8.5		38x50mm Planed fascia & Barge runner fixed to u/s of truss rafter.	m	12		
2.8.6		Sundries: Allowance for 'Teco' products, nails, bolts e.g Truss hangers, hurrican clips etc.	Sum	1		
2.8.7		Two coats carbolinium or similar approved on all exposed timber before fixing. (Prov.)  Eaves, verges etc.	m <sup>2</sup>	3		
2.8.8		'Everite' high density pressed 'Nutec' or similar cement fascia boards with aluminium H-profile jointing strips screwed to roof timbers with brass screws:  10 x 225mm Tempered fascia board.	m	22		
2.8.9		Soilid Meranti Doors & Frames - Manufactured, supplied and installed:  D1 - Meranti BB - Square Jointed or similar approved door, 813mm wide x 2032mm high hung to steel frame.	No	1		
2.8.10		D2 - '813 x 2032 x 40mm Hardboard faced solid core flush panel door, hung to steel frame.	No	1		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
2.8.11		Built-in cupboards: 1.2m wide x 885mm high, modular cupboards from 18mm melamine faced chipboard, with shelves and doors and 30mm Granite worktop. All as detailed on drawing for:  Kitchen: Built-in cupboard, including fixing to walls, with 'Rustenburg' Granite top & Splashback, cutting to fit s/s sink etc.	m	1.2		
2.8.12		Shelving  Storeroom shelving: 300mm wide shutterboard shelving. (Excl. Metal brackets) All as detailed.	m	10		
2.9		CEILINGS, PARTITIONS AND ACCESS FLOORING				
2.9.1		Nailed up ceilings 4mm 'Nutech' or similar fibre cement board with H-profile cover strips over joints or similar approved:  Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres in one direction and all header joints and perimeter edges.	m <sup>2</sup>	11		
2.9.2		Extra over ceiling and brandering for 600 x 600mm trap door and frame and H-profile grid fitted flush in opening including any additional brandering	No	1		
2.9.3		Board cornice:  75mm Gypsum plaster board coved cornice	m	19		
2.10		IRONMONGERY				
2.10.1		Door Ironmongery - Supply and install the following door hardware in stainless steel finish to the following:  Door D1 & D2 - 'Union' - Radius lever CZ 692-24SC with Union 2 lever upright lock 2295 - 78SS.	No	2		
2.10.2		Accessories  Door stop	No	2		
2.10.3		Brass cabin hooks, mounted on meranti hardwood plugged to walls.	No	1		
2.10.4		Nameplates and symbols:  150 x 150mm White chromadec with red border fire fighting pictogram with red fire fighting arrow, symbol or escape sign.	No	2		
2.10.5		Bathroom fittings Rails, etc:  19mm Chromium plated towel rail 600mm long with Solid 260/E40 end brackets	No	1		
2.10.6		Thief proof toilet roll holder as Natal Ironmongers sample B 1682	No	1		
2.10.7		Sundries Door stops, coat hooks, etc:  30mm Rubber door stop plugged	No	1		
CARRIED FORWARD						

Contract No NKO25-2025, Schoemansdal Sports Facility  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.11		BROUGHT FORWARD METALWORK Pressed steel galvanised door frames 1,2mm Double rebated steel frame suitable for half-brick wall including building in:				
2.11.1		Galvanised Frame for door (D1) 813mm wide x 2032mm high  Standard aluminium frames in 'Anolock bronze 543 finish. Supply and fit standard, pre-glazed, aluminium Door & Window frames to manufacturer's specification.  'Winblok' Window Inserts: Winvent Aluminium - Central Pivot (WVA66DTT- N4C) in 'Anolock bronze 543 finish, fixed with SPM40SG Neutral-Cure Hybrid Sealant (non-ascetic), into the rebate of the Winblok for:	No	2		
2.11.2		Central Pivot Frame Unit with factory fitted 4mm Clear Glazing.	No	4		
2.11.3		Central Pivot Frame Unit with factory fitted 4mm Obscure / Stippled Glazing, to Ablutions.	No	1		
		SECURITY GATES & SCREENS Manufacture, supply and install the following security gates, screens and burglar proofing. All steel to be Grade 300W, mild steel. All dimensions to be check by manufacturer on site. All items to be cleaned and painted in accordance with the plan specification on the drawings, for:				
2.11.4		Security gates & Screens, Incl padlocks etc. Gate G2: Single leaf gate & frame (950mm wide x 2100mm high).	No	1		
2.11.5		Shelving & Worktop Brackets Metal shelving bracket from 40 x 40mm equal angle, 2.1m long, fixed to wall with rawl bolts to hold 5 shelves - as detailed on drawing.	Bracket	5		
2.11.6		SLIDING SECURITY GATE Manufacture, supply and install heavy duty sliding steel gate, with DE-FENCE MID Screen Mesh on cast in steel rail complete with guide poles on both ends. Gate to be 2.05m high and 6.9m long. Refer to typical detailed drawing.	No	1		
2.11.7		Supply and install 'Centurion D5 Evo' light industrial sliding gate motor with rail complete with battery backup, remotes, push button opener inside guard house, movement sensors, electrical connections, etc.	Sum	1		Rate Only
2.12		PLASTERING				
CARRIED FORWARD						



**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
2.12.1		Cement screeds - Sand / cement finish (3:1) steel trowelled to a smooth polished surface in panels not exceeding 6 m2 on concrete:  25mm Thick on floors and landings (Provisional)	m²	11		
2.12.2		Plaster, 12mm thick 1:5 Cement plaster finished with steel trowel:  Internal Walls	m²	50		
2.13		FLOOR FINISHES				
		Wall & Floor Tiling				
		Floor Tiling: Supply and Install floor tiles. Glazed ceramic in tiling cement and grout, to: (Make allowance of R250/m² tile cost)				
2.13.1		To floors & Skirtings	m²	12		
2.13.2		To walls (Splashbacks and shower)	m²	6.5		
		Tiling Sundries				
2.13.3		PVC tile edging to all wall corners. (Provisional)	m	3.6		
2.13.4		Metal tile edging to doors etc. (Provisional)	m	2		
2.14		PLUMBING				
		Allow a provisional amount of R6 000.00 for the client to select/buy sanitary ware & accessories:				
2.14.1		Sanitary ware from approved supplier e.g. WC suites, wash hand basins, taps, shower doors etc.	Sum	1	6 000.00	6 000.00
2.14.2		E.O. for above for delivery to site and contractor's profit mark-up.  Extra over to above: Install as per supplier specifications, the following.	%	6000		
2.14.3		WC (Pan & Cistern)	No	1		
2.14.4		Wash hand basins	No	1		
2.14.5		Shower door	No	1		
2.14.6		General bathroom accessories (Towel rails, roll holders, soap diches, etc)  Supply, Deliver & Fit the following: 'Cobra' or similar approved Fittings Valves, taps, etc:	Sum	1		
2.14.7		20mm - 1003/125 CB fullway gate valve	No	1		
2.14.8		108-20 Wall mounted rough brass hose bibtap.	No	1		
2.14.9		'Cobra' or similar PB 1.10 RB vacuum breaker	No	1		
2.14.10		'Cobra' or similar K 300 B pressure control valve with ballstop shut off valve.	No	1		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
		Stainless Steel Products				
2.14.11		450mm Dia Prep Bowl 'Franke Rondo RDX 610-34 Citiline' or similar approved.	No	1		
		Supply & Fit - Cobra Fittings Valves, taps, etc:				
2.14.12		½" Chrome plated pillar tap fixed to WHB.	No	1		
2.14.13		Basin connector hose with 232 angle regulating valve.	No	1		
2.14.14		Cistern connector hose with 232 angle regulating valve.	No	1		
2.14.15		Basin waste: 1¼" Chrome plated basin waste with slotted shank, plug chain & stay (code 301-32) from cobra or similar approved.	No	1		
2.14.16		Basin waste: 1¼" Chrome plated bottle trap with outlet to 40mm uPVC. (Code 340/40) or similar approved.	No	1		
		Hot & Cold water plumbing, including all pipes, fittings, connections, testing etc.				
2.14.17		Hot & Cold water copper pipe plumbing complete to Toilets, Basins & Shower as detailed on drawings:	Item	1		
2.14.18		100l Horizontal mounted Geyser, including tray, pressure regulating valve and all required fittings. All installed above ceiling on timber supports.	No	1		
		Soil and vent drainage, including all fittings, junctions, couplings and sundry works.				
2.14.19		Soil and Vent Sewage plumbing complete.	Item	1		
		Underground drainage plumbing, including all, fittings, junctions, connections & testing.				
2.14.20		Underground plumbing inclusive of Rodding, Cleaning & Inspection eyes, bends, junctions, 110mm Sewage piping etc.	m	50		
2.14.21		Allow for trenching excavations & backfilling to install underground drainage & plumbing.	m	50		
		Sewage Manholes				
2.14.22		Construct sewer manholes as per plan, including excavation, concrete base, brickwork, plaster and manhole cover.	No	1		
		WATER SUPPLY PIPING AND INSTALLATION:				
		Water Connection				
2.14.23		20mm - 1003/125 CB fullway gate valve	No	1		
2.14.24		Allow for trenching excavations & backfilling to install 20mm HDPE pipe, 600mm deep.	m	50		
		Fire Fighting				
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.14.25		BROUGHT FORWARD  4,5 kg Dry chemical powder fire extinguisher mounted to wall with timber backing board.	No	1		
2.15		PAINTWORK  On ceiling boards prepare, prime nail heads and paint one coat undercoat / sealer as required and two coats acrylic PVA paint. (Colour : White) on:				
2.15.1		Ceilings, cover strips and cornices  On Fascia & Barge boards prepare, prime nail heads and paint one coat undercoat / sealer as required and two coats acrylic PVA paint. (Colour : Charcoal) on:	m²	12		
2.15.2		Facias & Barge boards  On Metal  Prepare and paint one coat undercoat and 2 x coats 'Plascon' or similar approved Velvaglo Enamel. (Colour: Matt black) on:	m²	7		
2.15.3		Steel shelving brackets  On Walls  Prepare and paint 1 x Universal undercoat and 2 x coats 'Plascon' Double Velvet' or similar approved on:	m²	1		
2.15.4		Internal Walls: Colour - VEL 17 Broken White.	m²	50		
2.16		ELECTRICAL  Electrical installation certified by a registered Electrician. All of the following items are to include for all supply, chasing, conduiting, draw wires, wiring, installation and testing.				
2.16.1		DB Unit completed with Neutral & Earth bars, fitted with min.: • 1 x 63A DP MCB (Mains); • 1 x 63A ELU 30mA; • 1 x 32A SP MCB (Stove); • 1 x 16A SP+N (Geyser); • 1 x 10 A SP MCB (Lights); • 1 x 20A SP MCB (Plugs)  Wiring - Refer to electrical layout on drawing and install, under plaster, with minimal chasing, if at all required:	Item	1		
2.16.2		Lights: 1.5mm², 2 core & earth.	No	4		
2.16.3		Plugs: 2.5mm², 2 core & earth.	No	2		
2.16.4		Stove: 4mm², 2 core & earth.	No	1		
2.16.5		Geyser: 4mm², 2 core & earth.	No	1		
2.16.6		Light Switch - Surface mounted 2x4 light switch with extension box for:  1 or 2 Lever L/Switch, as required.	No	2		
CARRIED FORWARD						

**Contract No NKO25-2025, Schoemansdal Sports Facility**  
**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**  
**SECTION 2 : GATEHOUSE**

**BILL OF QUANTITIES**

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
2.16.7		Plug point - Surface mounted 4x4 double plug with extension box for:  Double Plug Point	No	2		
2.16.8		Stove Isolator  32A Isolator with 4x4 extension box	No	1		
2.16.9		Light Fittings (Installed to Ceilings / Exterior masonry)  Rooms: Opal fitting & Lamp - 6 PVC Bowl & Ceramic Lamp holder complete with 5W LED lamp.	No	1		
2.16.10		Exterior Wall Light: 50W, Amber LED Floodlight (IP65)	No	4		
2.16.11		Ceiling / Wall mounted LED light - 1500mm T8 LED Double vapour proof linear light (IL65)	No	1		
2.16.12		Main supply cable from main power supply, to include, installation, joining etc. in sleeve (measured elsewhere)  Supply and install main supply cable: 10mm <sup>2</sup> (Size to be confirmed)	m	60		
2.16.13		Allow for trenching excavations, cable marker tape & backfilling to install electrical cable, 600mm deep.  Sleeves, bends etc.  Supply and install sleeves, bends etc. during the building process:	m	60		
2.16.14		50mm PVC sleeve pipe	m	6		
2.16.15		50mm PVC long radius bend	No	1		
2.17		Lightning Protection  Supply and install complete:				
2.17.1		20mm PVC conduit, surface mounted to brickwork, concrete, steel, wood etc.	m	12		
2.17.2		50mm <sup>2</sup> Aluminium alloy conductor complete with conductor guides, expansion loops, etc installed in sleeve and fixed to roof sheeting.	m	12		
2.17.3		50mm PVS conductor jumpers 500mm long	No	2		
2.17.4		Steel core reinforced copper spike (rod) 1200 x 166mm diameter and brass couplings with driving cap driven into ground.	No	2		
2.17.5		Termination including lags, bolts, washers, and nuts.	No	2		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		FURNITURE				
		Allow the amount of R8 000 for general office furniture.	Item	1	8 000.00	8 000.00
3.1.1		Profit and attendance on the above 3.1, if required.	%	8000		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 1 : EARTHWORKS, ABLUTION PIT COMPLETE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		SITE WORKS Shaping of building platform earthworks to discharge storm water away and around house structures (Slopes 1:100)	m <sup>2</sup>	60		
1.2		EARTHWORKS Excavate by hand in earth not exceeding 1000mm deep, and dispose / spread excavated material :				
1.2		Ablution Pit Excavations	m <sup>3</sup>	100		
1.3		Extra-over items for excavation in: Intermediate material	m <sup>3</sup>	50		
1.4		Keep excavations free of water:				
1.4		Keep excavations free of water.	Item	1		
1.5		Backfilling and Compaction of excavated material to foundations				
1.5		Ablution Pit Backfilling & Compaction in layers	m <sup>3</sup>	16		
1.6		Soil poisoning and protection against termites Chlordane or Aldrin type (or similar approved) termite soil insecticide applied by a registered Pest Control Company and guaranteed against termite infestation for ten years:				
1.6		Under solid floors etc. including forming and poisoning shallow furrows against walls, etc and filling in furrows and ramming	m <sup>2</sup>	52		
1.7		CONCRETE Reinforced Concrete: 25 MPa / 19 concrete to:				
1.7		Pit Foundation Slab	m <sup>3</sup>	8		
1.8		Pit Cover Slab	m <sup>3</sup>	6.2		
1.9		Pit Cavity Wall (Block Work)	m <sup>3</sup>	4.7		
1.10		FORMWORK Temporary propping (only) to underside of prestressed concrete planks over pit.	m <sup>2</sup>	37		
1.11		Corrugated iron sheeting as permanent shuttering.	m <sup>2</sup>	48.5		
1.12		CONCRETE FINISHES Wood float finish to wet concrete for:				
1.12		Pit foundation slab	m <sup>2</sup>	52		
1.13		Steel float finish to wet concrete for:				
1.13		Floor Slab (Pit Cover Slab)	m <sup>2</sup>	48.5		
CARRIED FORWARD						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 1 : EARTHWORKS, ABLUTION PIT COMPLETE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
		REINFORCEMENT				
		High-tensile steel bars. Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering to:				
1.14		Mesh Ref 395 to Pit Foundation slab	m <sup>2</sup>	52		
1.15		Mesh Ref 395 to Pit Cover slab	m <sup>2</sup>	48.5		
		PRE-CAST CONCRETE				
		PRE-STRESSED CONCRETE PLANKS fabricated beams including bedding bearing ends in cement mortar for:				
1.16		140-160mm wide x 60-70mm thick Pre-Stressed 50Mpa concrete planks (not lintels) Complete with Pre-stressing wire: 6 x 4.0mm 'Von Moos' 1700 MPA or similar approved.	m	76		
		MASONRY				
		Masonry Block work to consist of SABS Hollow Concrete Block, on 200mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
1.17		Pit blockwork: 140mm Block Wall	m <sup>2</sup>	114		
		Welded mesh brick reinforcement built horizontally into walls (on every course):				
1.18		75mm Wide reinforcement	m	610		
		Manhole Frame & Lid				
1.19		450 x 600mm Single seal CI manhole frame & lid cast in position.	No	3		
1.20		E.O for Pre-cast concrete slabs, 125mm thick placed over CI Manhole covers	No	3		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 2 : TOP STRUCTURE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		<p>MASONRY</p> <p>Masonry Block work to consist of SABS Hollow Concrete Block, on 200mm gauge, in stretcher bond, with equal horizontal and vertical joints.</p> <p>Super structure concrete blockwork :</p> <p>140mm Block Wall</p>	m <sup>2</sup>	160		
2.2		<p>SUNDRIES</p> <p>Welded mesh brick reinforcement built horizontally into walls (on every course):</p> <p>75mm Wide reinforcement</p>	m	400		
2.3		<p>High-tensile steel bars (Y8) to:</p> <p>Blockwork ring beam, built into mortarbed.</p>	kg	25		
2.4		<p>Galvanised hoop iron cramps, ties, etc:</p> <p>ROOF TIE: 30mm x 1,6mm Galv., 1500mm long with one end fixed to timber and other end built into brickwork, min. 6 courses.</p>	No	28		
2.5		<p>WALL TIES: 30mm x 1,6mm Galv., 1000mm long with both ends built into brickwork between butt walls.</p> <p>PRE-CAST CONCRETE</p> <p>Standard prestressed fabricated lintels including bedding bearing ends in 'Wallcrete' cement mortar and propping as necessary:</p>	Sum	1		
2.6		<p>140 x 70mm Lintels in lengths not exceeding 5100mm</p> <p>WATERPROOFING</p> <p>Damp-proofing of walls. One layer of 375 micron Brickgrip or similar approved DPC embossed damp-proof course:</p>	m	13		
2.7		<p>In walls</p> <p>GALVANISED METALWORK: WINDOWS &amp; DOOR FRAMES</p> <p>Pressed steel door frames 1,2mm Double rebated steel frame suitable for 140mm Block wall (Clisco type) including building in:</p>	m	60		
2.8		<p>Fully Galvanised Door frame with fanlight &amp; Door, 813 x 2032mm with 305mm high fanlight: Standard combination steel door frame pressed from 1.2mm gauge steel for fitment to half brick wall, complete with butt hinges, striker plate &amp; lock recess. Fitted with a steel door, pressed from 1.0mm gauge steel sheeting fitted with two lever mortice lock. All with factory finished red-oxide primer.</p>	No	10		
CARRIED FORWARD						



BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

SECTION 2 : TOP STRUCTURE

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.9		BROUGHT FORWARD  E.O above for the following fitted to the fanlight 305 x 813mm: • Expanded metal screen welded to frame prior to galvanising; • Fly screen mesh fitted over fanlight area. • Sling bolt lock fitted to door on interior face.	No	10		
2.10		SERVICE DUCT SECURITY GATE  Hot dipped galvanised security gate to services duct as per detail drawings, build into masonry work.	No	1		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 3 : ROOFING &amp; PLASTERING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		<b>ROOF CARPENTRY &amp; JOINERY</b>				
		Roofs, Structural timber etc. All timber to be min. grade S5				
3.1		4.2m long, 38 x 114mm SA Pine Rafters	No	14		
3.2		6m long 50 x 76mm SA Pine Purlins	No	12		
3.3		6m long 50 x 76mm SA Pine Fascia / Barge runner	No	5		
		Sundries:				
3.4		Allowance for 'Teco' products, nails, bolts, hurrican clips etc.	Sum	1		
3.5		Two coats carbolinium or similar approved on all exposed timber before fixing.	Sum	1		
		<b>ROOF COVERING COMPLETE</b>				
		Roof sheeting - IBR, 0.47mm Alluminium zinc alloy G550, Grade AZ150. Fixed through the crests of alternate flutes to purlins using 65mm Top Speed screws incorporating 19mm dia bonded washers. Supplied and installed at min. 10deg pitch, for:				
3.6		In 3.6m long sheets x 686mm wide coverage.	Sheet	20		
		Everite high density pressed Nutec-Cement barge boards with aluminium H-profile jointing strips screwed to roof timbers with brass screws:				
3.7		220mm x 80mm Barge board.	m	15		
3.8		10mm x 225mm Tempered fascia board.	m	27		
		<b>PLASTERING</b>				
		Brilatex Water Proofing Emulsion Or Similar, mixed with cement and applied in two directions to pit walls and floor				
3.9		To pit walls and floor	m <sup>2</sup>	90		
		Plaster, 15mm thick 1:5 Cement plaster finished with steel trowel:				
3.10		Internal Walls	m <sup>2</sup>	155		
3.11		External Walls	m <sup>2</sup>	100		
		<b>MASONRY BEAMFILLING</b>				
		Masonry Block work to consist of SABS Hollow Concrete Block, on 200mm gauge, in stretcher bond, with equal horizontal and vertical joints.				
3.12		140mm Block Beam filling 200mm high extreme, including mortar filling to IBR sheeting rib cavities as vermin proofing	m <sup>2</sup>	10.5		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		CONCRETE TRIMS & GENERAL FINISHES				
		EARTHWORKS				
		Excavate by hand in earth to level for:				
4.1		Aprons and v-drains	m <sup>2</sup>	33		
4.2		Walkways	m <sup>2</sup>	20		
CARRIED FORWARD						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 4 : CONCRETE TRIMS &amp; GENERAL FINISHES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4.3		BROUGHT FORWARD WATERPROOFING One layer of 250 micron Gunplas USB Green or similar approved waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape: Under Aprons & Walkways.	m <sup>2</sup>	45		
4.4		CONCRETE Reinforced Concrete: 20 MPa / 19 concrete in: 1000mm wide apron slab / v-drain, 85mm thick, in sloping panels with wood float finish, around building.	m <sup>2</sup>	15		
4.5		1000mm wide, walk way, 80mm Thick, to building entrances, with wood float finish.	m <sup>2</sup>	20		
4.6		REINFORCEMENT High-tensile welded mesh reinforcement to: Walkways: Type reference 193 in standard sheets	m <sup>2</sup>	20		
4.7		Aprons & V-drains: Type reference 193 in standard sheets	m <sup>2</sup>	33		
4.8		FORMWORK Smooth vertical plane (Class F2) to: Verticle narrow widths up to 100mm high to side of verands slabs, aprons and v-drains etc.	m	64		
4.9		CONCRETE FINISHES Class U3 Wood Float finish to wet concrete for: Aprons, V-Drains & Walkways (Non-slip)	m <sup>2</sup>	55		
4.10		Door Ironmongery - Supply and install the following door hardware in chrome finish to the following: Door: Union 3 Lever mortice lockset and door furnisher.	No	10		
4.11		Accessories Door stop.	No	10		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 5 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.1		<b>Water Connection</b> 20mm - 1003/125 CB fullway gate valve	No	1		
5.2		Allow for 20mm HDPE PN 10 pipe from main supply line	m	100		
5.3		Allow for trenching excavations & backfilling to install 20mm HDPE pipe, 600mm deep.	m	100		
CARRIED FORWARD						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 5 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
		<b>Sanitary fittings:</b>				
5.4		Atlas Plastics' - 'VIP 200 or similar toilet pan as approved, mounted over opening in pit cover slab etc.	No	10		
5.5		E.O for above - for: • Heavy duty Pan - Seat and flap; • Extended Shute.	No	10		
5.6		'Atlas Plastic' - 'Christy Basi'" (Code 382AP) or similar wash-hand basin as approved, mounted to wall at correct height	No	10		
5.7		Toilet Paper Holder, including fixing to wall.		10		
		<b>Supply &amp; Fit - Fittings Valves, taps, etc:</b>				
5.8		½" Chrome plated pillar tap fixed to WHB for Cold water only.	No	10		
5.9		Basin connector hose with 232 angle regulating valve.	No	10		
5.10		Basin waste: 1¼" Chrome plated basin waste with slotted shank, plug chain & stay.	No	10		
5.11		Basin waste: 1¼" S trap with outlet to 40mm uPVC.	No	10		
		Cold water plumbing, polycopper pipe plumbing complete to Ablution Toilets & Basins, including all pipes, fittings, brackets, connections, testing etc. to the following:				
5.12		From Main Water Supply to Storage Tank, 22mm Polycopper piping reticulation.	m	25		
5.13		From Storage Tank to Toilets and WH Basins, 22mm Polycopper piping manifold with 15mm branches	Sum	1		
		Rain Water / Storage Tank				
5.14		800 liter x 730mm dia Vertical / Slim Tank by RotoTank or similar, supplied and installed to service duct.	Tank	2		
5.15		E.O Tank for supply and fitment of a 20mm Dia, Balem Float Valve, Model BLBB020	No	1		
5.16		20mm Isolating valves, with end connectiuons for 22mm Polycopper pipe	No	2		
		PVC sewer piping and fittings.				
5.17		Soil & Vent, PVC 110mm Dia x 90deg, Equal Branch	No	5		
5.18		Soil & Vent, PVC 110mm Dia pipe, cut into required lengths and fitted to pit walls.	m	12		
5.19		Ventilation - Complete installation consisting of: • 110mm Dia uPVC pipe - painted black; • Insect screen cap; • Aluminium pipe holder brackets fixed to masonry (min x3); • Water proofing at sheeting	Sum	4		
		RAINWATER GOODS				
CARRIED FORWARD						

## BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)

## SECTION 5 : PLUMBING

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5.20		BROUGHT FORWARD Continuously rolled aluminium gutters with fixing brackets along roof line.	m	13		
5.21		1.5m Long downpipes to go with guttering.	No	2		
5.22		<b>SEWERS</b> 110mm Dia. PVC Sewers, supplied and installed to min 1:60 slope	m	60		
5.23		EO 110mm dia PVC Sewer: Rodding Eyes, Inspection Eyes, bends, etc.	Item	1		
5.24		<b>SOAKAWAY</b> Supply and install KAYTECH - Quick4 High capacity chamber with and including multi port end caps at either ends including all excavations, carting away, compaction and backfilling, pipe fittings, etc. all in accordance with Engineers drawing 19-009 -05-0				
5.24		Quick4 high capacity chamber size 0,86 x 1,35 x 0,41m deep	No	12		
5.25		Extra over quick4 chamber for end cap	No	4		
5.26		Topsoiling 75mm thick layer - Imported from stockpile, spread and lightly compacted.	m <sup>2</sup>	18		
5.27		Grassing Grassing of Empankments & Watering for 10 consecutive days	m <sup>2</sup>	50		
5.28		<b>SIGNAGE</b> 1.22m x 2.44m White Chromadec Project Notice Board with signwriting complete with metal frame, erected on timber pole stand	Sum	1		
5.29		0.6m x 1.2m White Chromadec Singage board depicting "Boys Ablution" / "Girls Ablution" .. etc with funders logo, complete mounted to building walls	No	2		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

## BILL 17 : FLOOD LIGHTS

## SECTION 1 : FLOOD-LIGHT MAST: CONCETE BASES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1	1200 DA	EARTHWORKS (SMALL WORKS)  *** Important Note *** The concrete base design and quantities provided are all provisional and must be re-calculated by the Engineer once the Contractor's specialist supplier has issued and approved final design.				
	8.3.2	Restricted excavation. Excavate for foundations in all materials and backfill or place in embankment or dispose for:				
1.1.1		Light mast structures	m <sup>3</sup>	80		
1.2	SABS 1200 GA	CONCRETE (WALKWAYS)				
	8.2	FORMWORK				
1.2.1	8.2.3	Foundation Stub Column	m <sup>2</sup>	6		
	8.1.2	REINFORCEMENT High-tensile steel bars				
1.3		Supply and fixing of all diameter reinforcing steel to all concrete volumes including cover blocks to shuttering.	t	2		
	8.4	CONCRETE				
1.4		40mm Concrete blinding, to bottom of foundations.	m <sup>2</sup>	40		
1.4.1	8.4.3	Supply and cast Strength concrete, Grade 30Mpa / 19mm.	m <sup>3</sup>	25		
	8.4.4	CHAMFERS				
1.4.2		20 x 20mm chamfers to exposed concrete corners	m	50		
	8.4.4	UNFORMED SURFACE FINISHES				
1.4.3		Wood-floated	m <sup>2</sup>	5		
		HOLDING-DOWN BOLTS AND NUTS Supply, deliver, and cast in position, as follows:				
1.4.4		M20 / M24 Threaded Bar Holding down bolt, casted into.	No.	32		
		SUNDRIES				
1.4.5		Provide non-shrink grout to concrete and steel column basis.	No	10		
1.4.6		75mm dia long radius bend sleeves	No	10		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						



## BILL 17 : FLOOD LIGHTS

## SECTION 2 : FLOOD-LIGHT MAST: LIGHT FITTINGS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1		METAL POLE / MAST				
		Supply, Deliver and Erect, by specialist installation:				
2.2		Light Mast: • Min. 12m High; • Stepped Pole; • Mid Hinged - Manually winched; • Top 'Pole Cap' arms for light fixtures; • Fully Hot dipped Galvanised	No	8		
2.3		LIGHT FITTINGS				
		Design, Supply and Install, min 75LUX - Practice Level Lighting, by Specialist, for:				
2.3.1		Design Fee by Lighting Specialist	Sum	1	20 000.00	20 000.00
		FITTINGS (Provisional) 'Beka' Or similar approved.				
		MAIN FIELD - A: OMNIBLAST 2-E MIDI 824W 75LX AVE				
2.4		OMNIBLAST2E MD 824C5355 SSA1G	No	6		
2.5		OMNIBLAST2E MD 824C5356 SSA1G	No	8		
		COMBI COURTS: OMNISTAR MIDI 136W100LX AVE				
2.6		OMNISTAR MD60136N5356 A1G/UU	No	6		
		PARKING AREA: POST TOP VERTICE R				
2.7		VERTICE-R 38W N 4010 A BL	No	2		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

## BILL 17 : FLOOD LIGHTS

## SECTION 3 : FLOOD-LIGHT MAST: LOW VOLTAGE POWER CABLING AND TERMINATIONS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1		Electrical Kiosks				
3.1.1		Municipal Electricity Department approved Weatherproof GRP Distribution Kiosk concrete plinth, 2 x 1.2m 250 micron copper plated earth spikes installed below concrete plinth with brass clamps with 50mm <sup>2</sup> ICEW to kiosk earth bar, as per single line diagram, including eThekwini Approved stainless steel padlock and keys. A certificate of compliance shall be issued for each kiosk.	Sum	1		
		Municipality Electricity Department approved Weatherproof GRP Meter Kiosk, concrete plinth, 2 x 1.2m 250 micron copper plated earth spikes installed below concrete plinth with brass clamps with 50mm <sup>2</sup> ICEW to kiosk earth bar, including day night switch and eThekwini Electricity approved split metering units with power line communication complete with control units installed in the kiosk and display units installed in the houses as per single line diagram, including eThikwini Approved stainless steel padlock and keys. A certificate of compliance shall be issued for each kiosk.				
3.1.2		Kiosk 1	Sum	1		
3.2		Weatherproof GRP Meter Kiosk, concrete plinth, 2 x 1.2m 250 micron copper plated earth spikes installed below concrete plinth with brass clamps with 50mm <sup>2</sup> ICEW to kiosk earth bar, including day night switch and eThekwini Electricity approved split metering units with power line communication complete with control units installed in the kiosk and display units installed in the houses as per single line diagram, including eThikwini Approved stainless steel padlock and keys. A certificate of compliance shall be issued for each kiosk.				
3.2.1		Kiosk complete excluding supply feeder and metering unit	No	3		
3.2.2		40A 6kA DP MCB installed in kiosk	No	10		
3.2.3		Municipality Electricity Department approved split metering unit installed in kiosk	No	10		
3.3		LOW VOLTAGE POWER CABLING AND TERMINATIONS				
		Cables				
3.3.1		600 / 1000 V copper conductor PVC/PVC/SWA/ECC cables				
3.3.2		150mm <sup>2</sup> x 4 core	m	100		
3.3.3		120mm <sup>2</sup> x 4 core	m	100		
3.3.4		70mm <sup>2</sup> x 4 core	m	400		
3.3.5		50mm <sup>2</sup> x 4 core	m	100		
CARRIED FORWARD						

## BILL 17 : FLOOD LIGHTS

## SECTION 3 : FLOOD-LIGHT MAST: LOW VOLTAGE POWER CABLING AND TERMINATIONS

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD				
3.3.6		25mm <sup>2</sup> x 4 core	m	20		
3.3.7		16mm <sup>2</sup> x 4 core	m	50		
3.3.8		6mm <sup>2</sup> x 2 core	m	100		
		Terminations of 600 / 1000 V copper conductor PVC/PVC/SWA/ECC cables				
3.3.9		150mm <sup>2</sup> x 4 core	No	2		
3.3.10		120mm <sup>2</sup> x 4 core	No	2		
3.3.11		70mm <sup>2</sup> x 4 core	No	8		
3.3.12		50mm <sup>2</sup> x 4 core	No	8		
3.3.13		25mm <sup>2</sup> x 4 core	No	6		
3.3.14		16mm <sup>2</sup> x 4 core	No	6		
3.3.15		6mm <sup>2</sup> x 2 core	No	6		
3.4		STREET LIGHTING				
3.4.1		137W 4000K optic RLS360 luminaire IP66 LM6 die cast aluminium body, Incorporating an electronic trip connector protector with surge protection 6 KV, All external screws are stainless steel. Cable glands are SABS approved to insulate IP67 ingress protection, Gaskets are manufactured from post cured silicone rubber material. Silicone gaskets perform in a wide temperature range -40° C to +200° C, Charcoal Grey (C) to Regent Lighting ISTRIA or similar approved	No	2		
3.4.2		10.5m long, 9m mounting height, 2 step mounting height galvanised steel pole buried type complete including, base plate, cable entry hole, access hole, miniature circuit breaker, internal wiring and accessories	No	2		
3.5		EARTHWORKS / TRENCHING				
		Trenching as required				
3.5.1		Trenching in normal to intermediate soil material excavation, 1000mm deep x 600mm wide, and backfill compaction to 93% Mod AASTHO density on completion.	m	700		
3.5.2		Extra-over trenching in intermediate excavations	m <sup>3</sup>	80		
3.5.3		Cable Warning Tape	m	650		
3.6		TESTING				
3.6.1		Allow for testing and certification of complete installation.	Sum	1		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.1		Bulk Municipal Connection				
		Provisional Sum for Application for xxxkVA electrical connection and liaison concerning all required outages and coordination with the electrical supply authority: R150 000.00	PC	1	150 000.00	150 000.00
1.2		Contractor's overheads, charges, attendance and profit on item above: %	%	150000		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

**BILL 01 : PRELIMINARY AND GENERAL**

SECTION	DESCRIPTION	AMOUNT
1	PRELIMINARY AND GENERAL	
	TOTAL BILL 01	

**BILL 02 : ATHLETICS TRACK WITH SOCCER/RUGBY FIELD**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS (FIELD A)	
2	CIVIL WORKS: FINISHES (FIELD A)	
3	CIVILS: STORMWATER	
4	MISCELLANEOUS: EQUIPMENT & FIXTURES	
	TOTAL BILL 02	

**BILL 03 : NEW PUBLIC ABLUTIONS**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS	
2	CONCRETE, FORMWORK AND REINFORCEMENT	
3	PRE-CAST CONCRETE	
4	MASONRY	
5	WATERPROOFING	
6	ROOF COVERINGS	
7	CARPENTRY AND JOINERY	
8	CEILINGS, PARTITIONS AND ACCESS FLOORING	
9	IRONMONGERY	
10	METALWORK	
11	PLASTERING	
12	FLOOR FINISHES AND WALL TILING	
13	PLUMBING	
14	GLAZING	
15	PAINTWORK	
16	ELECTRICAL	
	TOTAL BILL 03	

**BILL 04 : SPECTATOR STRUCTURE & CHANGE ROOMS FOR SOCCER FIELD (WEST)**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS	
2	CONCRETE, FORMWORK AND REINFORCEMENT	
3	PRE-CAST CONCRETE	
4	MASONRY	
5	WATERPROOFING	
6	CARPENTRY AND JOINERY	
7	IRONMONGERY	
8	METALWORK	
9	PLASTERING	
10	FLOOR FINISHES AND WALL TILING	
11	PLUMBING	
12	GLAZING	
13	PAINTWORK	
14	STRUCTURAL STEELWORK	
15	CLADDING AND SHEETING	
16	CORROSION PROTECTION OF STRUCTURAL STEELWORK	
17	ELECTRICAL	
	TOTAL BILL 04	



**BILL 05 : SPECTATOR PAVILLION TO SOCCER FIELD (EAST)**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS	
2	CONCRETE, FORMWORK AND REINFORCEMENT	
3	MASONRY	
4	WATERPROOFING	
5	STRUCTURAL STEELWORK	
6	CLADDING AND SHEETING	
7	CORROSION PROTECTION OF STRUCTURAL STEELWORK	
	TOTAL BILL 05	

**BILL 06 : NEW COMBI COURTS (X2)**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS	
2	GENERAL CIVILS: CONCRETE, REINFORCEMENT ETC.	
3	SMALL STEEL PAVILION (MOVEABLE)	
	TOTAL BILL 06	

**BILL 07 : EXISTING COMBI COURTS REFURBISHMENT (X2)**

SECTION	DESCRIPTION	AMOUNT
1	GENERAL RENOVATIONS CIVILS	
2	SMALL STEEL PAVILION (MOVEABLE)	
	TOTAL BILL 07	

**BILL 08 : EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS	
2	CONCRETE, FORMWORK AND REINFORCEMENT	
3	PRE-CAST CONCRETE	
4	MASONRY	
5	WATERPROOFING	
6	ROOF COVERINGS	
7	CARPENTRY AND JOINERY	
8	IRONMONGERY	
9	METALWORK	
10	PLASTERING	
11	FLOOR FINISHES AND WALL TILING	
12	PLUMBING	
13	GLAZING	
14	PAINTWORK	
15	ELECTRICAL & LP GAS	
16	TUCK-SHOP KITCHEN FURNITURE & SIGNAGE	
17	SEWER: CIVILS	
18	SEPTIC TANK & SOAK-AWAY	
	TOTAL BILL 08	

**BILL 09 : NEW HOCKEY FIELD (FIELD B)**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS (FIELD B - HOCKEY)	
2	CIVIL WORKS: FINISHES (FIELD A)	
	TOTAL BILL 09	

**BILL 10 : WALKWAYS & JUNCTION / CHESS BOARD ARENA**

SECTION	DESCRIPTION	AMOUNT
1	WALKWAYS	
2	JUNCTION / CHESS BOARD ARENA	
	TOTAL BILL 10	

**BILL 11 : PERIMETER FENCING & ACCESS CONTROL**

SECTION	DESCRIPTION	AMOUNT
1	PERIMETER WALL FENCING & ACCESS CONTROL	
2	ACCESS CONTROL GATE	
	TOTAL BILL 11	

**BILL 12 : DRIVEWAYS & PARKING AREA INCLUDING VIP**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS	
2	PARKING: DRY-STACK RETAINING WALLS	
3	CIVILS: DRIVEWAYS & PAVEMENTS	
	TOTAL BILL 12	



**BILL 13 : NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS	
2	CONCRETE, FORMWORK AND REINFORCEMENT	
3	PRE-CAST CONCRETE	
4	MASONRY	
5	WATERPROOFING	
6	ROOF COVERINGS	
7	CARPENTRY AND JOINERY	
8	CEILINGS, PARTITIONS AND ACCESS FLOORING	
9	IRONMONGERY	
10	METALWORK	
11	PLASTERING	
12	FLOOR FINISHES AND WALL TILING	
13	PLUMBING	
14	GLAZING	
15	PAINTWORK	
16	ELECTRICAL	
17	FURNITURE & AIR CONDITIONING	
	TOTAL BILL 13	

**BILL 14 : BACK-UP WATER SUPPLY**

SECTION	DESCRIPTION	AMOUNT
1	EXCAVATION (PIPE TRENCHES)	
2	PIPES AND FITTING: HDPE PIPELINES	
3	BEDDING & BLANKET	
4	VALVES AND VALVE CHAMBERS	
5	GROUND STORAGE TANK	
6	PRESSURE BOOSTER PUMP	
7	MUNICIPAL BULK WATER CONNECTION FEE	
8	BOREHOLE DRILLING & EQUIPPING	
	TOTAL BILL 14	

**BILL 15 : NEW GUARDHOUSE & MAIN ENTRANCE GATE**

SECTION	DESCRIPTION	AMOUNT
1	ENTRANCE GATE	
2	GATEHOUSE	
3	FURNITURE & AIR CONDITIONING	
	TOTAL BILL 15	

**BILL 16 : BACKUP ABLUTIONS (PIT TOILETS)**

SECTION	DESCRIPTION	AMOUNT
1	EARTHWORKS, ABLUTION PIT COMPLETE	
2	TOP STRUCTURE	
3	ROOFING & PLASTERING	
4	CONCRETE TRIMS & GENERAL FINISHES	
5	PLUMBING	
	TOTAL BILL 16	

BILL 17 : FLOOD LIGHTS

SECTION	DESCRIPTION	AMOUNT
1	FLOOD-LIGHT MAST: CONCETE BASES	
2	FLOOD-LIGHT MAST: LIGHT FITTINGS	
3	FLOOD-LIGHT MAST: LOW VOLTAGE POWER CABLING AND TERMINATIONS	
	TOTAL BILL 17	

**BILL 18 : BULK ELECTRICAL MUNICIPAL CONNECTION**

SECTION	DESCRIPTION	AMOUNT
1	ELECTRICAL WORKS	
	TOTAL BILL 18	

BILL	DESCRIPTION	AMOUNT
01	PRELIMINARY AND GENERAL	
02	ATHLETICS TRACK WITH SOCCER/RUGBY FIELD	
03	NEW PUBLIC ABLUTIONS	
04	SPECTATOR STRUCTURE & CHANGE ROOMS FOR SOCCER FIELD (WEST)	
05	SPECTATOR PAVILLION TO SOCCER FIELD (EAST)	
06	NEW COMBI COURTS (X2)	
07	EXISTING COMBI COURTS REFURBISHMENT (X2)	
08	EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT	
09	NEW HOCKEY FIELD (FIELD B)	
10	WALKWAYS & JUNCTION / CHESS BOARD ARENA	
11	PERIMETER FENCING & ACCESS CONTROL	
12	DRIVEWAYS & PARKING AREA INCLUDING VIP	
13	NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS	
14	BACK-UP WATER SUPPLY	
15	NEW GUARDHOUSE & MAIN ENTRANCE GATE	
16	BACKUP ABLUTIONS (PIT TOILETS)	
17	FLOOD LIGHTS	
18	BULK ELECTRICAL MUNICIPAL CONNECTION	
A	NETT TOTAL OF TENDER	
B	ADD CONTINGENCIES 5.0% OF NETT TOTAL	
C	TENDER AMOUNT	
D	ALLOWANCE FOR CONTRACT PRICE ADJUSTMENT	
E	ALLOWANCE FOR VAT AT 15.0%	
F	TOTAL TENDER SUM	
	TIME FOR COMPLETION OF CONTRACT	WEEKS

**BILLS OF QUANTITIES: SUMMARY PAGE**

BILL	DESCRIPTION	AMOUNT
01	PRELIMINARY AND GENERAL	
02	ATHLETICS TRACK WITH SOCCER/RUGBY FIELD	
03	NEW PUBLIC ABLUTIONS	
04	SPECTATOR STRUCTURE & CHANGE ROOMS FOR SOCCER FIELD (WEST)	
05	SPECTATOR PAVILLION TO SOCCER FIELD (EAST)	
06	NEW COMBI COURTS (X2)	
07	EXISTING COMBI COURTS REFURBISHMENT (X2)	
08	EXISTING CHANGEROOMS AND ABLUTIONS REFURBISHMENT	
09	NEW HOCKEY FIELD (FIELD B)	
10	WALKWAYS & JUNCTION / CHESS BOARD ARENA	
11	PERIMETER FENCING & ACCESS CONTROL	
12	DRIVEWAYS & PARKING AREA INCLUDING VIP	
13	NEW SPORTS CLUB BUILDING/LOUNGE WITH ABLUTIONS	
14	BACK-UP WATER SUPPLY	
15	NEW GUARDHOUSE & MAIN ENTRANCE GATE	
16	BACKUP ABLUTIONS (PIT TOILETS)	
17	FLOOD LIGHTS	
18	BULK ELECTRICAL MUNICIPAL CONNECTION	
<b>A</b>	<b>NETT TOTAL OF TENDER</b>	
<b>B</b>	<b>ADD CONTINGENCIES 5.0% OF NETT TOTAL</b>	
<b>C</b>	<b>TENDER AMOUNT</b>	
<b>D</b>	<b>ALLOWANCE FOR CONTRACT PRICE ADJUSTMENT AT 5.5%</b>	
	<b>SUB TOTAL</b>	
<b>E</b>	<b>ALLOWANCE FOR VAT AT 15.0%</b>	
<b>F</b>	<b>TOTAL TENDER SUM (CARRIED FORWARD TO FORM OF OFFER)</b>	
	<b>TIME FOR COMPLETION OF CONTRACT (MONTHS)</b>	<b>20</b>

.....  
SIGNED BY TENDERER

.....  
DATE

**BID NO:**

**NKO 25/ 2025**

**INITIALS**



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B1: AMENDMENTS TO THE STANDARD SPECIFICATIONS

PSA GENERAL

PSB ENGINEERS OFFICE

PSD EARTHWORKS

PSDB EARTHWORKS (PIPE TRENCHES)

PSDK GABIONS & PITCHING

PSG STRUCTURAL CONCRETE

PSGA CONCRETE SMALL WORKS

PSHA STRUCTURAL STEEL WORKS

PSL MEDIUM PRESSURE PIPE LINES

PSLB BEDDING (PIPES)

B2: ADDITIONAL PARTICULAR SPECIFICATIONS

PA OHSA 1993 HEALTH AND SAFETY SPECIFICATION

PB ENVIRONMENTAL MANAGEMENT PLAN

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### C3.1 STANDARD SPECIFICATIONS

The standard specifications on which this contract is based are the **SABS 1200 Standardized Specifications**.

Although not bound in nor issued with this Document, the following Parts of the SABS 1200 Standardized Specifications shall apply:

SABS 1200 A: General (1986)  
SABS 1200 AB: Engineers Office (1986)  
SABS 1200 C: Site Clearance (1980)  
SABS 1200 D: Earthworks (1988)  
SABS 1200 DA: Earthworks (Small Works) (1988)  
SABS 1200 DB: Earthworks (Pipe Trenches) (1989)  
SABS 1200 DM: Earthworks (Road, Subgrade) (1981)  
SABS 1200 DK : Gabions and Pitching (1984)  
SABS 1200 G: Concrete (Structural) 1982  
SABS 1200 GE: Precast Concrete (Structural)(1984)  
SABS 1200 GB: Concrete (Ordinary Buildings)(1984)  
SABS 1200 HA: Structural Steelwork (Sundry Items) (1990)  
SABS 1200 HC: Corrosion Protection of Structural Steelwork (1988)  
SABS 1200 L: Medium Pressure Pipelines (1983)  
SABS 1200 LB: Bedding (1983)  
SABS 1200 LC: Cable Ducts (1981)  
SABS 1200 LD: Sewers (1982)  
SABS 1200 LE: Stormwater Drainage (1982)  
SABS 1200 ME: Subbase (1981)  
SABS 1200 MF: Base (1981)  
SABS 1200 MH: Asphalt Base and Surfacing (1981)  
SABS 1200 MJ: Segmented Paving (1984)  
SABS 1200 MK : Kerbing and Channelling (1983)  
SABS 1200 MM : Ancillary Roadworks (1984)

Variations and additions to the various SABS 1200 Standardised Specifications are given in Portion B of the Project Specifications.

The following SANS specifications are also referred to in this document and the Contractor is advised to obtain them from Standards South Africa (a division of SABS) in Pretoria.

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SANS 10396:2003: Implementing Preferential Construction Procurement Policies using Targeted Procurement Procedures.

SANS 1914-1 to 6 (2002) : Targeted Construction Procurement.

SANS 1921-1 (2004): Construction and Management Requirements for Works Contracts  
Part 1: General Engineering and Construction Works and where accommodation of traffic is involved.

SANS 1921-2 (2004): Construction and Management Requirements for Works Contracts;  
Part 2: Accommodation of Traffic on Public Roads Occupied by the Contractor.

Other documents:

The latest edition of “Standards and Guidelines” from the National Home Builders Registration Council.

Model Preamble for Trades from the Association of SA Quantity Surveyors.

General Conditions of Contract 2015 (third edition, 2015) Obtainable from the SA Association of Consulting Engineers

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## C3.2 PROJECT SPECIFICATIONS

### STATUS

The Project Specification, consisting of two parts, forms an integral part of the contract and supplements the Standard Specifications.

Part A contains a general description of the works, the site and the requirements to be met.

Part B contains variations, amendments and additions to the Standardized Specifications and, if applicable, the Particular Specifications.

In the event of any discrepancy between a part or parts of the Standardized or Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the Specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

The standard specifications which form part of this contract have been written to cover all phases of work normally required for road contracts, and they may therefore cover items not applicable to this particular contract.

### PART A: GENERAL

#### PS.1 PROJECT DESCRIPTION

##### CONSTRUCTION OF SCHOEMANSDAL SPORTS FACILITY

The scope of works comprises of the construction of the Schoemansdal Sports Facility. Below is a more detailed description of the scopes of works:

- Main field - Soccer / Rugby field;
- Grass running (athletics' track - olympic dimensions);
- Sports pavilion seating and grand stands;
- Club house building;
- Combi courts;
- Hockey fields;
- Change rooms facilities;
- Public ablutions;
- Security guard house at the point of entry
- Flushing toilets;
- Pit toilets as a backup;
- Boundary fence;
- Parking area (VIP parking and public parking);
- Water supply;
- Stormwater drainage system;
- Sewer management;
- Flood lighting.
- Electrical connection

#### PS.2 DESCRIPTION OF THE SITE AND ACCESS

##### PS.2.1 Location of Site

The sports facility will be located in the town of Schoemansdal. Schoemansdal is located about 23km south of Malelane in the province of Mpumalanga.

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The town falls under the jurisdiction of the Nkomazi Local Municipality.

Street directions to the site are as follows. From the town of Malelane, drive 38 km on the R570 towards the Matsamo Swaziland Boarder post. The sports facility is to be located right hand side of the road.

Area	Latitude (S)	Longitude (E)
Schoemansdal Sports Facility	25°41'55.71"S	31°29'43.15"E

### **PS.2.2 Access to Site**

Access to site is per normal vehicle. The project is located right next to a surfaced road which makes it easily accessible with any type of car.

### **Site Security**

The contractor shall, for the duration of the contract, provide sufficient security and watchmen to adequately ensure the safety and protection of the works, the Contractor's staff, including local labour and subcontractors, and all site plant and construction equipment required for the works. Site Security, in conjunction with the SAPS (where necessary), shall be responsible for removal of disruptive elements, that may interrupt the progress of the contract through acts such as, but not limited to, intimidation, threats of disruption, violent disruption, or criminal and illegal activity by the local community or independent organisations or entities that may result in slowing down or partial or total stoppage of the works.

### **PS.2.3 Nature of the Ground and Subsoil Conditions**

A multi-disciplinary geotechnical centreline and materials investigation was conducted for the Schoemansdal Sports Facility. The investigation was undertaken in order to assess the engineering geological character of the area, focusing on the geotechnical properties which will affect the construction of the facilities at the sports facility.

The findings of this investigation are elucidated in their report, the summary of which is attached under annexure C5 of this document. All of the relevant material testing data is included in the report.

The Contractor will be expected to make his/her own assessment in this regard and to price the rates accordingly. Please review the attached geotechnical report.

## **PS.3 CONSTRUCTION AND MANAGEMENT REQUIREMENTS**

### **PS.3.1 General**

The Contractor is referred to SANS 1921: 2004 parts 1, 2 and 3: Construction and Management Requirements for Works Contracts. These specifications shall be applicable to the contract under consideration and the Contractor shall comply with all requirements relevant to the project.

Certain aspects however require further attention as described hereafter.

### **PS.3.2 Labour Intensive Competencies of Supervisory and Management Staff**

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Contractors shall only engage supervisory and management staff in labour intensive works who have either completed, or for the period 1 April 2004 to 30 June 2006, are registered for training towards, the skills programme outlined in Table


Table 1: Skills programme for supervisory and management staff

Personnel	NQ F leve l	Unit standard titles	Skills programme description
Team leader / supervisor	2	Apply Labour Intensive Construction Systems and Techniques to Work Activities	This unit standard must be completed, and
		Use Labour Intensive Construction Methods to Construct and Maintain Roads and Stormwater Drainage	any one of these 3 unit standards
		Use Labour Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour Intensive Construction Methods to Construct, Repair and Maintain Structures	
Foreman/ supervisor	4	Implement labour Intensive Construction Systems and Techniques	This unit standard must be completed, and
		Use Labour Intensive Construction Methods to Construct and Maintain Roads and Stormwater Drainage	any one of these 3 unit standards
		Use Labour Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour Intensive Construction Methods to Construct, Repair and Maintain Structures	
Site Agent / Manager (i.e. the contractor's most senior representative that is resident on the site)	5	Manage Labour Intensive Construction Processes	Skills Programme against this single unit standard

The managing principal of the contractor, namely, a sole proprietor, the senior partner, the managing director or managing member of a close corporation, as relevant, having a contractor grading designation of 1CE, 2CE, 3CE and 4CE shall have personally completed, or for the period 1 April 2004 to 30 June 2006 be

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registered on a skills programme for the NQF level 2. All other site supervisory staff in the employ of such contractors must have completed, or for the period 1 April 2004 to 30 June 2006 be registered on a skills programme for, the NQF level 2-unit standards or NQF level 4-unit standards.

### **PS.3.3 Employment of Labour**

It is the intention that this Contract should make the maximum possible use of the labour force which is at present underemployed.

To this end it will be expected of the Contractor to employ and train labour on this Contract.

The Contractor shall fill in the forms relating to Key Personnel and state how many key personnel he intends to employ in the various categories. The numbers stated in the above-mentioned form will be strictly controlled during the contract period and any increase in numbers shall be subject to the approval of the Engineer.

It is a condition of contract that the data sheets detailing the employment of human resources, expenditure and employment of SMMES as detailed in the tables below be submitted together with the monthly certificate timorously to the Engineer by the 10th of each month.

The definition of youth being determined by age up to and including 35 years.

The unit of measurement is person days being the total number of persons in that category multiplied by the number of days worked by each person respectively.

Labour intensive construction will be used to implement the Works and will include all of the following operations: -

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(a) All trenching and backfilling of trenches. Excavation in hard, unpickable material and rock will be done by machine and blasting respectively;

All laying and bedding of pipework. The contractor is required to train local labour in the laying of these pipes;

Bedding, including the short haul by wheel barrow at a maximum distance of 100m, of imported stockpiles placed alongside the trench;

Construction of manholes, valve chambers, gabion basket filling, erosion protection measures etc;

Manufacturing of pipe route markers on site; and

Steel fixing, shutter hand work and minor concrete works.

Plant may be used to deliver bedding to the trench at 100m intervals from where labour must be used to load, haul and off-load the material using wheelbarrows. The use of a machinery for this activity will not be permitted.

All work to be executed by labour intensive methods will be demarcated as (LI) in the bill of quantities. Any work so designated or specified in this specification as being done labour intensively but which is not executed by labour, notwithstanding any payment made to the labour, will not be paid for.

Labour Return : (Current Month)

Total			Adults				Youth (<35 yrs)				Disabled			
			Women		Men		Female		Male		Female		Male	
Persons	Person days		Persons	Person days	Persons	Person days	Persons	Person days	Persons	Person days	Persons	Person days	Persons	Person days
Clerical	0	0												
Labourers	0	0												
Managerial	0	0												
Semi-skilled	0	0												
Skilled	0	0												
Supervisor	0	0												
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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## Expenditure

(All excl VAT)

	Previous Total	This Cert	Total to Date
Value paid to locally sourced labour resources			R -
Amount paid for accredited training			R -
Amount paid for non-accredited training			R -

## SMME Schedule

Name of SMME	SMME Information		PROJECT Information			
	No of Permanent Employees	Turnover previous 12 months	Total person days to date	Amount paid to SMME	Person days locally sourced	Total value of work

The data sheets must be submitted monthly

irrespective of whether or not a payment certificate is submitted in terms of the latest cash flow.

### P.S.3.3.1 Payment for the Labour-Intensive Component of the Works:

Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.

### P.S.3.3.2 Applicable Labour Law

The Ministerial Determination 4: Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment act of 1997 by the Minister of Labour in Government Notice NR347 of 4 May 2012, as reproduced below, shall apply to works described in the scope of work as being labour intensive and which are undertaken by unskilled or semi-skilled workers. An EPWP contract shall be signed between the contractor and the EPWP participant using the template appended. The contracts shall expire on earlier of (i) 31 March, (ii) at the end of the project; or (iii) completion of the works allocated.

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### **P.S.3.3.3 Introduction**

This document contains the standard terms and conditions for workers employed in elementary occupations on an Expanded Public Works Programme (EPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of an EPWP.

In this document –

“department” means any department of the State, implementing agent or contractor;

“employer” means any department, implementing agency or contractor that hires workers to work in elementary occupations on a EPWP;

“worker” means any person working in an elementary occupation on a EPWP;

“elementary occupation” means any occupation involving unskilled or semi- skilled work;

“management” means any person employed by a department or implementing agency to administer or execute an EPWP;

“task” means a fixed quantity of work;

“task-based work” means work in which a worker is paid a fixed rate for performing a task;

“task-rated worker” means a worker paid on the basis of the number of tasks completed;

“time-rated worker” means a worker paid on the basis of the length of time worked.

### **P.S.3.3.4 Terms of Work**

- Workers on an EPWP are employed on a temporary basis or contract basis.

### **P.S.3.3.5 Normal Hours of Work**

- An employer may not set tasks or hours of work that require a worker to work–
- more than forty hours in any week;
- on more than five days in any week; and
- for more than eight hours on any day.
- An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.
- A task-rated worker may not work more than a total of 55 hours in any week to complete the tasks allocated (based on a 40-hour week) to that worker.

### **P.S.3.3.6 Meal Breaks**

- A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.
- An employer and worker may agree on longer meal breaks.
- A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.
- A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.

### **P.S.3.3.6 Special Conditions for Security Guards**

- A security guard may work up to 55 hours per week and up to eleven hours per day.
- A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.

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**P.S.3.3.7 Daily Rest Period**

- Every worker is entitled to a daily rest period of at least twelve consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.

**P.S.3.3.8 Weekly Rest Period**

- Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").

**P.S.3.3.9 Sick Leave**

- Only workers who work for more than 24 hours have the right to claim sick-pay in terms of this clause.
- A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.
- A worker may accumulate a maximum of twelve days' sick leave in a year. Accumulated sick-leave may not be transferred from one contract to another contract.
- An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.
- An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.
- An employer must pay a worker sick pay on the worker's usual payday.
- Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –
  - absent from work for more than two consecutive days; or
  - absent from work on more than two occasions in any eight-week period.
- A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorised to issue medical certificates indicating the duration and reason for incapacity.
- A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.

**P.S.3.3.10 Maternity Leave**

- A worker may take up to four consecutive months' unpaid maternity leave.
- A worker is not entitled to any payment or employment-related benefits during maternity leave.
- A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.
- A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.
- A worker may begin maternity leave –
  - four weeks before the expected date of birth; or
  - on an earlier date –
    - if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or
    - if agreed to between employer and worker; or
  - on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.
- A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.

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**P.S.3.3.11 Family responsibility leave**

- Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances -
- when the employee's child is born;
- when the employee's child is sick;
- in the event of a death of –
- the employee's spouse or life partner;
- the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.

**P.S.3.3.12 Statement of Conditions**

- An employer must give a worker a statement containing the following details at the start of employment –
- the employer's name and address and the name of the EPWP;
- the tasks or job that the worker is to perform; and
- the period for which the worker is hired or, if this is not certain, the expected duration of the contract;
- the worker's rate of pay and how this is to be calculated;
- the training that the worker will receive during the EPWP.
- An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.
- An employer must supply each worker with a copy of these conditions of employment

**P.S.3.3.13 Keeping Records**

- Every employer must keep a written record of at least the following –
- the worker's name and position;
- Certified ID copies of all locally employed labour;
- Signed Contracts between the employer and the EPWP Participants;
- Attendance Registers for the EPWP Participants;
- Monthly Reporting Template as per EPWP requirements;
- in the case of a task-rated worker, the number of tasks completed by the worker;
- in the case of a time-rated worker, the time worked by the worker;
- Proof of payments made to each worker;
- The employer must keep this record for a period of at least three years after the completion of the EPWP.

**P.S.3.3.14 Payment**

- An employer must pay all wages at least monthly in cash or by cheque or into a bank account.
- A worker may not be paid less than the minimum EPWP wage rate of R150.00 per day or per task. This will be adjusted annually on the 1st of November in-line with inflation (available CPI as provided by Stats SA six (6) weeks before implementation).
- A task-rated worker will only be paid for tasks that have been completed.
- An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.
- A time-rated worker will be paid at the end of each month.
- Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.
- Payment in cash or by cheque must take place –
- at the workplace or at a place agreed to by the worker;
- during the worker's working hours or within fifteen minutes of the start or finish of work;
- in a sealed envelope which becomes the property of the worker.
- An employer must give a worker the following information in writing –
- the period for which payment is made,
- the numbers of tasks completed or hours worked;
- the worker's earnings;
- any money deducted from the payment;
- the actual amount paid to the worker.

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- If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.
- If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.

**P.S.3.3.15 Deductions**

- An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.
- An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.
- An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.
- An employer may not require or allow a worker to –
- repay any payment except an overpayment previously made by the employer by mistake;
- state that the worker received a greater amount of money than the employer actually paid to the worker; or
- pay the employer or any other person for having been employed.

**P.S.3.3.16 Health and Safety**

- Employers must take all reasonable steps to ensure that the working environment is healthy and safe.
- A worker must –
- work in a way that does not endanger his/her health and safety or that of any other person
- obey any health and safety instruction;
- obey all health and safety rules of the EPWP;
- use any personal protective equipment or clothing issued by the employer;
- report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.

**P.S.3.3.17 Compensation for Injuries and Diseases**

- It is the responsibility of the employers (other than a contractor) to arrange for all persons employed on an EPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.
- A worker must report any work-related injury or occupational disease to their employer or manager.
- The employer must report the accident or disease to the Compensation Commissioner.
- An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.

**P.S.3.3.18 Termination**

- The employer may terminate the employment of a worker for good cause after following a fair procedure.
- A worker will not receive severance pay on termination.
- A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.
- A worker who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract.

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- However, the worker may be re-engaged if a position becomes available.
- A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available.

**P.S.3.3.19 Certificate of Service**

- On termination of employment, a worker is entitled to a certificate stating –
- the worker's full name;
- the name and address of the employer;
- the EPWP on which the worker worked;
- the work performed by the worker;
- any training received by the worker as part of the EPWP;
- the period for which the worker worked on the EPWP;
- any other information agreed on by the employer and worker.

**P.S.3.3.20 Contractor's default in payment to Labourers and Employees**

- Any dispute between the Contractor and labourers, regarding delayed payment or default in payment of fair wages, if not resolved immediately may compel the Employer to intervene.
- The Employer may, upon the Contractor defaulting payment, pay the moneys due to the workers not honoured in time, out of any moneys due or which may become due to the Contractor under the Contract.

**P.S.3.3.21 Provision of Hand tools**

The Contractor shall provide his/her labour force with hand tools of adequate quality, sufficient in numbers and make the necessary provisions to maintain the tools in good and safe working conditions

**P.S.3.3.22 Reporting**

- The Contractor shall submit monthly returns/reports as specified below:
- Signed Master rolls/pay sheets of temporary workers and permanent staff detailing the number, category, gender, rate of pay and daily attendance.
- Certified ID copies of all locally employed labour.
- Signed Contracts between the employer and the EPWP Participants.
- Attendance Registers for the EPWP Participants.
- Monthly Reporting Template as per EPWP requirements.
- Plant utilization returns.
- Progress report detailing production output compared to the programme of works.

**P.S.3.3.23 Labour-intensive works**

- Labour-intensive works comprise the activities such as those described in SANS 1921-5, Earthworks activities which are to be performed by hand, and its associated specification data. Such works shall be constructed using local workers who are temporarily employed in terms of this Scope of Work.

**PS.3.4 Construction Programme**

**(a) Preliminary Programme**

The Contractor shall include with his/her tender a preliminary programme on the prescribed form to be completed by all Tenderers. The programme shall be in the form of a simplified bar chart with sufficient details to show clearly how the works will be performed within the time for completion as stated in the Contract Data.

Tenderers may submit tenders for an alternative Time for Completion in addition to a tender based on the specified Time for Completion. Each such alternative tender shall include a preliminary programme similar to the programme above for the execution of the works, and shall motivate his/her proposal clearly by stating all the financial implications of the alternative completion time.

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The Contractor shall be deemed to have allowed fully in his/her tendered rates and prices as well as in his/her programme for all possible delays due to normal adverse weather conditions and special non-working days as specified in the Special Conditions of Contract, in the Project Specifications and in the Contract Data.

(b) Programme in terms of Clause 5.6 of the General Conditions of Contract

It is essential that the construction programme, which shall conform in all respects to Clause 5.6 of the General Conditions of Contract, be furnished within the time stated in the Contract Data. The preliminary programme to be submitted with the tender shall be used as basis for this programme. The Contractor's attention is also drawn to clause 5.7 of the General Conditions of Contract 2015.

#### **PS.3.5 Drawings (Read with SANS 1921 – 1: 2004 clauses 4.1.7; 4.1.11 and 4.1.12)**

The reduced drawings which form part of the tender documents shall be used for tendering purposes only.

The contractor shall be supplied with three complete paper copies of the construction drawings free of charge. The Contractor shall at his/her own expense produce there from all further paper prints required for the construction of the work.

Any information which the Contractor has control over and which is required by the Engineer to complete the drawings of record shall be made available to the Engineer before the Completion Certificate is issued.

Only written dimensions may be used. Dimensions are not to be scaled from drawings unless ordered by the Engineer. The Engineer will supply all figures / dimensions which are not shown on the drawings. The levels or dimensions given on the drawings are subject to confirmation on site.

#### **PS.3.6 Quality Assurance (QA) (Read with SANS 1921 – 1: 2004 clause 4.4)**

The Contractor will be solely responsible for the production of work that complies with the Specifications to the satisfaction of the Engineer. To this end it will be the full responsibility of the Contractor to institute an appropriate Quality Assurance (QA) system on site. The Engineer will audit the Contractor's quality assurance (QA) system on a regular basis to verify that adequate independent checks and tests are being carried out and to ensure that the Contractor's own control is sufficient to identify any possible quality problems which could cause a delay or failure.

The Contractor shall ensure that efficient supervisory staff, the required transport, instruments, equipment and tools are available to control the quality of his/her own workmanship in accordance with his/her QA-system. His/her attention is drawn to the fact that it is not the duty of the Engineer or the Engineer's representative to act as foreman or surveyor.

#### **PS.3.7 Management and Disposal of Water (Read with SANS 1921 - 1: 2004 clause 4.6)**

The Contractor shall pay special attention to the management and disposal of water and stormwater on the site. It is essential that all completed works or parts thereof are kept dry and properly drained. Claims for delay and for repair of damage caused to the works as a result of the Contractor's failure to properly manage rain and surface water, will not be considered.

#### **PS.3.8 Blasting**

No blasting shall be carried out for the execution of the Works without the prior consent of the Engineer. This consent will not be given where in the opinion of the Engineer blasting may give rise to unnecessary risk of damage to surrounding property and other means of excavation are available to the Contractor. Where consent to blasting is given such consent shall in no way relieve the Contractor of any of his/her liabilities under the Contract.

No blasting will be permitted within 10 m of any structure, pipeline or service unless the Contractor can satisfy the

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Engineer that his/her proposed blasting methods and controls are such that no damage will be caused to the adjoining structure, pipeline or service. The Engineer may then ask for vibro-readings to be taken at no additional cost to the Employer. No blasting is to be carried out in Eskom, Telkom or other servitudes or way leaves unless the relevant authorities have been advised in writing three weeks prior to blasting. Where blasting is carried out the Contractor shall arrange for a representative of the relevant authority to be present prior to and during the blast.

The Contractor shall conform to all Government regulations in regard to blasting, handling and storage of explosives.

**PS.3.9 Spoil Sites (Read with SANS 1921 - 1: 2004 clause 4.10)**

The spoil sites shall be determined on site in conjunction with the Engineer. The Contractor shall be permitted to use only those spoil areas approved by the Engineer.

Should the Contractor wish to use any other tip area for the disposal of soil, rubble, vegetation, etc, its use shall be subject to the approval of the Engineer.

**PS.3.10 Testing (Read with SANS 1921 – 1: 2004 clause 4.11)**

(a) Process control

The Contractor shall arrange for all tests required for process control to be done by a laboratory acceptable to and approved by the Engineer.

The Contractor may establish his/her own laboratory on site or he may employ the services of an independent commercial laboratory. Whatever method is used, the Contractor must submit the results of tests carried out on materials and workmanship when submitting work for acceptance by the Engineer. The costs for these tests shall be deemed to be included in the relevant rates and no additional payment will be made for testing as required.

(b) Acceptance Control

The process control test results submitted by the Contractor for approval of materials and workmanship may be used by the Engineer for acceptance control. However, before accepting any work, the Engineer may have further control tests carried out by a laboratory of his/her choice. The cost of such additional tests will be covered by a provisional sum provided in the schedule of quantities, but tests that failed to confirm compliance with the specifications, will be for the account of the Contractor.

**PS.3.11 Site Establishment (Read with SANS 1921 - 1: 2004 clause 4.14)**

(a) Water and Electricity

The Contractor is to make his/her own arrangements in this regard and should note that the Employer shall not be held responsible for any shortages of either water or power due to unforeseen circumstances.

No water will be made available for hydraulic testing. All water required for construction purposes is to be sourced by the Contractor and is to be allowed for in his/her rates.

(b) Location of Site Office

A suitable site will be determined in consultation with Client and Contractor once appointed. The contractor will need to allow for the fencing of the site.

Watchmen only may be housed on site.

The contractor is to provide adequate sanitary and waste facilities for his/her staff and is to ensure that the camp is kept clean and neat at all times. No littering is to take place at either the camp or on the site.

The site is to be left in a neat, landscaped condition without any improvements on completion of the contract and final

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retention will not be released until such time as this condition has been complied with.

(c) Telephone

The contractor shall make his/her own arrangements in this regard. Cellular phone coverage is available in the area.

**PS.3.12 Survey Beacons (Read with SANS 1921 - 1: 2004 clause 4.15)**

The Contractor shall take special precautions to protect all permanent survey beacons or pegs such as bench-marks, stand boundary pegs and survey beacons, regardless whether such beacons or pegs were placed before or during the execution of the Contract. If any such beacons or pegs have been disturbed by the Contractor or his/her employees, the Contractor shall have them replaced by a registered land surveyor at his/her own cost.

**PS.3.13 Existing Services (Read with SANS 1921 - 1: 2004 clause 4.17)**

The Contractor shall make himself acquainted with the position of all existing services before any excavation or other work likely to affect the existing services is commenced.

No work may proceed on road crossings under the provincial main roads until the necessary approvals are in place as confirmed by the Engineer. All work within the road reserve shall comply with the specifications of the Provincial Department of Transport as will be issued to the Contractor by the Engineer.

The Contractor will be held responsible for any damage to known existing services caused by or arising out of his/her operations and any damage shall be made good at his/her own expense. Damage to unknown services shall be repaired as soon as possible and liability shall be determined on site when such damage should occur.

Prior to commencing construction activities in a particular area, the Contractor shall also diligently enquire of local landowners as to whether there are any other known services which have not been shown on the drawings but which may be affected by the construction activities in that area, and any such services shall be brought to the attention of the Engineer immediately. The Contractor shall take note of the requirements of clause 1202 of the standard specifications with regard to services.

**PS.3.14 Health and Safety (Read with SANS 1921 - 1: 2004 clause 4.18)**

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his/her activities in such a manner that his/her employees and any other persons, who may be directly affected by his/her activities, are not exposed to hazards to their health and safety. To this end the Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the OHS Act 1993 Construction Regulations 2014, GNR. 84 of 7 February 2014 by the Department of Labour.

For the purpose of this contract the Contractor is required to confirm his/her status as mandatory and employer in his/her own right for the execution of the contract by entering into an agreement with the Employer in terms of the Occupational Health and Safety Act in the form as included in section C1.2.2.

The rates and prices tendered by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract.

Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations and in the Employer's Health and Safety Specification.

The Contractor's failure to comply will also be recorded on the Zululand District Municipal data base and will affect the award of adjudication points to the Contractor on future work tendered for.

**PS.3.15 Requirements for Accommodation of Traffic (Read with SANS 1921 - 2: 2004)**

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The Contractor will be responsible for the safe and easy passage of public traffic past and on sections of roads of which he has occupation or where work has to be done near traffic.

The travelling public shall have the right of way on public roads, and the Contractor shall make use of approved methods to control the movement of his/her equipment and vehicles so as not to constitute a hazard on the road. Accommodation of traffic, where applicable shall comply with SANS 1921-2: 2004: Construction and Management Requirements for Works Contracts, Part 2: Accommodation of Traffic on Public Roads occupied by the Contractor and Appendix B, Extract from Chapter 13, Volume 2 of the South African Road Traffic Signs Manual. The Contractor shall obtain this specification from Standards South Africa.

The Contractor shall ensure that all road signs, barricades, delineators, flagmen and speed controls are effective and that courtesy is extended to the public at all times.

Failure to maintain road signs, warning signs or flicker lights, etc, in a good condition shall constitute ample reason for the Engineer to suspend the work until the road signs, etc, have been repaired to his/her satisfaction.

The Contractor may not commence constructional activities affecting existing roads before adequate provision has been made to accommodate traffic in accordance with the requirements of this document and the South African Road Traffic Signs Manual.

The Contractor shall construct and maintain all temporary drainage works necessary for temporary deviations.

The Contractor shall provide and grant access to persons whose properties fall within or adjoin the area in which he is working.

The Contractor's tendered rates for the relevant items in the Bill of Quantities shall include full compensation for all possible additional costs which may arise from this, and no claims for extra payment due to inconvenience as a result of the modus operandi will be considered.

### **PS.3.16 Management of the Environment (Read with SANS 1921 - 1: 2004 clause 4.19)**

Respect for the environment is an important aspect of this contract and the Contractor shall pay special attention to the following:

- (a) Natural Vegetation  
Only those trees and shrubs directly affected by the works and such others as the Engineer may direct in writing shall be cut down and stumped. The natural vegetation, grassing and other plants shall not be disturbed other than in areas where it is essential for the execution of the work or where directed by the Engineer.
- (b) Fires  
The Contractor shall comply with the statutory and local fire regulations. He shall also take all necessary precautions to prevent any fires. In the event of fire, the Contractor shall take active steps to limit and extinguish the fire and shall accept full responsibility for damages and claims resulting from such fires which may have been caused by him or his/her employees.
- (c) Environmental Management Plan  
In addition to the above, all requirements of the Environmental Management Plan (EMP) as detailed in the Particular Specifications, will be adhered to. Failure to adhere to the EMP in all respects will be recorded on the Zululand District Municipal database and will affect the award of adjudication points to the Contractor on future work tendered for.

### **PS.3.17 Abnormal Climatic Conditions**

No extension of time for completion shall be granted for normal rainfall but extension of time shall be

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determined for abnormal rainfall or wet conditions in accordance with the formula given below separately for each calendar month or part thereof. It shall be calculated for the full period for completion of the contract plus any granted extension thereof:

$$V = (N_w - N_n) R_w / R_n \dots\dots\dots \text{if } (N_w - N_n) > 0$$

The symbols have the following meanings respectively:

V = Extension of time in calendar days in respect of the calendar month under consideration.

N<sub>w</sub> = Actual number of days during the calendar month on which a rainfall of 10mm or more is recorded.

N<sub>n</sub> = Average number of days, as derived from existing rainfall records, on which a rainfall of 10mm or more has been recorded for the calendar month.

R<sub>w</sub> = Actual rainfall recorded for the calendar month.

R<sub>n</sub> = Average rainfall for the calendar month under consideration as determined from existing rainfall records.

When calculating the extension of time for a part of a month pro rata values of R<sub>n</sub> and N<sub>n</sub> shall be used.

The factor R<sub>w</sub>/R<sub>n</sub> shall be deemed to be fair allowance for days on which wet conditions disrupted or prevented work but on which a rainfall of 10mm or more was not recorded. If the value of R<sub>w</sub>/R<sub>n</sub> exceeds 2,5 it shall be taken as 2,5.

If N<sub>w</sub> for any month is smaller than N<sub>n</sub> the formula to be used shall be:

$$V_1 = (N_n - N_w)$$

The total extension of time for completion shall be the sum of the values of

V minus the sum of the values of V<sub>1</sub>

Total extension of time = V - V<sub>1</sub>

The following are the most reliable values of N<sub>n</sub> and R<sub>n</sub> available and shall be used unless other values are mutually agreed upon beforehand:

Month	N <sub>n</sub>	R <sub>n</sub>
January	1.8	67
February	1.8	54
March	1.8	75
April	0.8	26
May	0.4	12
June	0.2	8
July	0.2	6
August	0.3	9
September	0.	28
October	1.5	53
November	2.5	96
December	2.5	113

Rainfall gauging will be taken and recorded by the Contractor at his/her Site Office and agreed with the Engineer on a daily basis.

b) Should an extension of time be granted by the Engineer the Contractor shall be reimbursed for his/her time related Preliminary and General items contained in the schedule of Quantities. The amount of reimbursement shall be calculated as follows:

No of days extension of time granted

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Total number of working days in the Contract    X    Total for time related P&Gs  
PS.3.18 Drawings of Record

Any information in the possession of the Contractor, which is necessary for the Engineer's Representative to complete his/her "drawings of record", must be submitted to the Engineer's Representative before a final payment certificate and a certificate of completion will be issued.

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## **PS. 4 PROJECT REQUIREMENTS**

### **PS4.1 SITE CLEARANCE EXCAVATION AND FREE-HAUL**

Top soil and other removed material shall be placed within the site boundaries, at a place indicated by the Local Authority in writing. In the case where the Local Authority requires disposing of material further away from the site, the Employer's approval shall first be obtained and Local Authority shall be consulted and approval in writing obtained to use the designated dumping place. The same applies for borrow areas outside the site boundaries. Normal regulations regarding safety, municipal by-laws, contamination of water sources, erosion, siltation etc. shall apply.

The free-haul distance shall be the entire site of works, for each project.

The contractor shall not incur any overhaul or "extra over" expenses without the written approval of the Engineer.

The overhaul distance shall be defined as the truck-haul distance measured to the nearest 0,5 km from the end of the free-haul to the disposal / borrow pit area, by the shortest practical route and shall be measured in one direction only.

No additional payment will be made for provision of access to the sites.

### **PS 4.2 CUT AND FILL FOR BUILDING PLATFORMS**

Buildings shall be constructed completely in cut, with a minimum underfloor backfill. Should the contractor wish to construct on fill, he shall allow at his/her own cost, for longer columns and higher foundation walls to allow for founding on in-situ material. Access and ease of access into the building for the intended use shall remain unaltered. The Contractor shall arrange independent compaction tests, before any building is taking place, at his/her own cost. Building work shall be removed if there is any doubt whatsoever regarding the compaction. At least 3 evenly distributed places per site shall be tested, once off, after completion of the platform or infill. Water for compaction shall be provided by the Contractor at his/her own cost.

### **PS 4.3 COMPACTION OF UNDER FLOOR FILL**

All top soil, unsuitable material and vegetation shall be removed from the building area. Suitable non-cohesive, granular backfill material shall be compacted in thin, even layers of thickness relevant to the method/machinery used, at OMC to a minimum of 95 % of Mod. AASHTO maximum density. The contractor shall only import material if absolutely necessary. He shall obtain approval from the borrow pit owner in writing before using it, or obtain mining rights where applicable. Water for compaction, shall be supplied by the Contractor, at his/her own cost.

### **PS 4.4 EXISTING SERVICES**

The Contractor shall contact the Engineer immediately if he discovers existing services that are in the way of the works, so that it can be avoided if at all possible. If existing services are damaged, the Contractor shall repair it as a matter of urgency at the indicated rate, even if it costs significantly more. He will not receive additional compensation in such case.

### **PS 4.6 WATER SUPPLY PIPE**

Only SANS approved pipes to be used. Trench depth to be determined to allow for bedding where required and 1800 mm cover over the pipeline. Grading of the trench shall be as such that the pipe will have no local high points between air valves/outlets, in other words, must rise continuously from the lowest points to the air valves/outlets. The Contractor shall use a dumpy level to verify this and to locate the air valves. The same

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applies for scour valves but obviously the other way round. The trench “pegging” cost shall be included under the excavation cost. Long sections may be provided by the Engineer or Employer as a guide only. Trenching, bedding and selected fill as per SABS 1200 DB and LB. The trench width for pipe diameters of 1000 mm and less shall be minimum pipe diameter plus 800mm (600 mm side allowance) to allow adequate working space for proper jointing and laying of pipe, but shall not be wider than pipe diameter plus 1000 mm.

#### **PS 4.8 CONCRETE AND FLOORS**

Water for building purposes and for the Contractor’s use, shall be supplied by the Contractor, at his/her own cost.

Cement shall be OPC and shall conform to SABS 471. A blended mix with up to 25% PFA shall only be used following the written approval of the Engineer. Cement used shall not be older than 3 months for reinforced concrete works and older than 6 months for mass concrete. The slump of concrete mixes shall be 30- 80 mm. Curing shall take place for at least 7 days or as specified. Concrete shall be adequately compacted/vibrated but separation of material must be avoided. For structural concrete, refer to the detailed specifications on the plans regarding slump, curing, removal of formwork etc.

Floors and walls shall be constructed as such that water will not reach or stand in the passages/walkways or anywhere on the floor. Water shall also not reach or stand against any of the inside walls. Where openings are to be made to drain water, it shall be as such that it will not block, but at the same time it shall be rodent proof. Keyed construction joints shall be placed as such that it will not be underneath walls. Where it has to cross walls perpendicularly, construction joints shall also be provided in the walls. Keyed construction joints shall be made around supports, to join construction joints in the floors.

##### **Foundations**

All foundations for buildings shall be minimum 300 mm deep and 500 mm wide regardless of detail provided on plans.

Light reinforcement shall be placed in foundations comprising three Y12 rods 75 mm from the trench bottom and 100 mm from the sides with the third rod in the bottom middle. The main reinforcement shall be held firmly in place by 75 mm concrete spacers attached to the rods with binding wire. R8 distribution steel, crossing each outer main steel member by 30 mm, thus 360 mm long for a 500 wide foundation, shall be tied to the main steel at 500 mm intervals.

Minimum overlap shall be 600mm. Hooks shall be provided at corners and intersections with walls, with minimum hook length 600 mm. The Engineer shall be consulted for further detail. Work shall not be accepted where the Engineer has not approved the reinforcement prior to concreting.

##### **Wood floated finish**

The surface shall only be wood floated sufficiently to produce a uniform surface free from screed or towel marks and shall conform with SABS 1200 G.

##### **Steel-floated finish**

The moisture film shall be allowed to harden sufficiently to prevent laitance from being worked to the surface. Where steel floating with a non-slip surface is specified, the surface shall still be smooth after making it non-slip and shall not be abrasive at all. Under no circumstances may a cement slush be used during the floating process.

##### **Casting of concrete**

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No concrete shall be cast without the prior inspection of preparation work by the Engineer (except for thrust blocks).

#### **PS 4.9 BLOCK AND BRICK WORK**

The strength of blocks shall be not less than 3,5 MPa for hollow units and 7 MPa for solid units. Only SABS approved blocks shall be allowed.

Blockwork shall comply with the standards as set out in the "Standards and Guidelines" manual of the NHBRC. Stretcher bond with 10-15 mm final bed joint thickness and 5 to 20 mm vertical joint thickness shall be used. The mortar bedding shall be full in the case of hollow blocks for the foundation layers and DPC courses. Joints shall be finished flush. Hollow units to be filled with concrete around door frames. Where internal walls are jointed flush with outside walls, wall ties shall be used as per specification in the above-named manuals. Corners shall be constructed using the raking back (stepped) method and shall be fully bonded.

Light reinforcement shall be placed in the brick/blockwork over and above the normal brick force regardless of detail on plans. The reinforcement shall comprise R6 rods, overlapping minimum 300 mm and bend around corners with minimum hook length 300 mm. The reinforcement shall not cross expansion joints. Two rods shall be placed per layer, each 30 mm from the inside and outside face of the wall respectively, for three layers immediately above DPC and window/door level. Rods shall be provided with hooks at doors, expansion joints and openings. Full mortar cover shall be provided.

Controlled expansion joints in the walls, with concertina ties at 400 mm vertical spacing, shall be provided at maximum 8 m spacing regardless of detail provided on plans. The joints shall coincide with controlled expansion joint through the concrete roof.

The joints in the roof slabs shall comprise 1000 mm long Y12 rods in the centre of the slab at 200 mm intervals, 500 mm into each slab. A 600 mm long elastic plastic pipe of good fit shall be fitted on one side and sealed at the end. The other end shall penetrate the adjoining slab by 100 mm. Work shall not be accepted where the Engineer has not approved the reinforcement prior to concreting. The joints shall be formed with 10 mm bitumen impregnated soft board and shall be sealed water tight both sides with an approved elastic sealant.

#### **PS 4.11 PAINTWORK**

The final colour shall be agreed upon between the contractor and the participants of the specific project. Refer to paint specifications on the plans.

#### **PS 4: 12 COMMISSIONING AND ACCEPTANCE**

The Contractor shall be responsible to commission all equipment and put in readiness for use.

The hand over/acceptance of equipment shall be preceded by a forty-eight (48) hour trial run (where applicable) by the Contractor to enable him to prove to the Engineer that all equipment and plant as a whole perform to requirements.

Where after the equipment shall be run by the Contractor as directed by the Engineer for a further period of approximately five (5) days during which thorough inspection, testing, etc of all equipment will take place to be evaluated for acceptance by the Engineer. The Contractor shall schedule this period such as to allow himself enough time to remedy, replace etc unsatisfactory work, equipment etc and still meet the final completion date. Costs incurred by the Engineer for all unsuccessful acceptance tests will be borne by the Contractor.

When the Contractor has completed all work and the plant subsequently performs to the requirements, then

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the contractor shall supply all manuals and drawings as called for. Thereupon a certificate of commissioning will be issued and a portion of the retention released. The guarantee period then commences.

**PS 4:19 FINAL COMPLETION DATE**

On final completion all work in terms of the contract shall be completed. A certificate of completion will be issued.

**PS 4:20 MAINTENANCE OBLIGATIONS**

The Contractor shall maintain all equipment provided in a good working order during the defects' liability period.

The defects liability period shall commence on the day following final completion.

The Employer reserves the right to undertake any emergency repair work during the defects' liability period without the prior consent of the Contractor. The Engineer has the right to decide whether an emergency exists and shall notify the Contractor accordingly. Should this emergency repair work be caused by poor materials, faulty workmanship or neglect on the part of the Contractor, the Employer may deduct the cost of the repairs from the outstanding retention money owing to the Contractor.

After the satisfactory completion of the guarantee period, the final certificate will be issued and all retention money releases.

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**PART B: AMENDMENTS TO THE STANDARD SPECIFICATIONS AND OTHER ADDITIONAL SPECIFICATIONS**

**INTRODUCTION**

In certain clauses in the Standard Specifications, allowance is made for a choice to be specified in the project specifications between alternative materials or methods of construction, and for additional requirements to be specified to suit a particular contract.

Details of such alternative or additional requirements applicable to this contract are contained in Part B1 of the project specifications.

The number of each clause and each payment item in this part of the project specifications is prefixed "PS" and numbered sequentially followed by a number corresponding to the relevant clause or payment item in the standard specification in parentheses.

New clauses and payment items not covered by clauses or items in the Standard Specifications have also been included.

Additional particular specifications are also included in Part B2 and are prefixed "P" and numbered alphabetically.

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## PART B1: AMENDMENTS TO THE STANDARD SPECIFICATIONS

### PSA GENERAL

#### PSA.1 MATERIALS (3)

##### PSA 1.1 QUALITY (3.1)

All materials used in this contract shall comply with the relevant SABS / SANS Specification (as amended) or particular specification as noted.

##### PSA.2 PLANT (4)

###### PSA.2.1 PLANT FOR CONSTRUCTION PURPOSES (No reference)

The Contractor's plant for construction purposes shall be of modern design, adaptable for the purpose for which it is required, in sound condition, and ample in capacity for carrying out the Works expeditiously.

Should the Engineer be of the opinion that the plant in use is in any way unsuitable for carrying out the Works in a manner or at a rate commensurate with the requirements of the Contract, they shall have the right to call on the Contractor at any time during the progress of the works to provide additional or improved plant and tools as may be necessary to meet these requirements.

###### PSA.2.2 CONTRACTOR'S CAMP (4.2)

No housing is available for the Contractor's employees, and the Contractor shall make his/her own arrangements with the Local Authority regarding the housing of his/her employees and transporting them to site.

The Contractor shall provide in locations approved by the Engineer, adequate sanitary facilities for the use of all persons engaged on the Works. Such conveniences, which shall comply with Local Authority regulations, shall be maintained in a clean and hygienic condition and shall be properly secluded from public view and their use shall be strictly enforced.

The Contractor shall make his/her own arrangements with the municipal authorities for any bucket removals and shall bear all the costs in connection with such service. On removal of such conveniences the sites thereof shall be left in a clean, sanitary and tidy condition.

#### PSA.3 PERSONAL & OTHER PROTECTIVE EQUIPMENT (SECTIONS 8/15/23 OR THE OHS ACT)

The Contractor is required to identify the hazards in the workplace and deal with them. He must either remove them or, where impracticable take steps to protect workers and make it possible for them to work safely and without risk to health under the hazardous conditions.

Personal Protective equipment (PPE) should, however, be the last resort and there should always first be an attempt to apply engineering and other solutions to mitigating hazardous situations before the issuing of PPE is considered.

Where it is not possible to create an absolutely safe and healthy workplace the Contractor is required to inform employees regarding this and issue, free of charge, suitable equipment to protect them from any hazards being present and that allows them to work safely and without risk to health in the hazardous environment.

It is a further requirement that the said equipment be maintained by the Contractor, that he instructs and trains the employees in the use of the equipment and ensures that the prescribed equipment is used by the employee/s.

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Employees do not have the right to refuse to use/wear the equipment prescribed by the employer and, if it is impossible for an employee to use or wear prescribed protective equipment through health or any other reason, the employee cannot be allowed to continue working under the hazardous condition/s for which the equipment was prescribed but an alternative solution has to be found that may include relocating or discharging the employee.

The Contractor may not charge any fee for protective equipment prescribed by him/her but may charge for equipment under the following conditions:

- Where the employee requests additional issue in excess of what is prescribed.
- Where the employee has patently abused or neglected the equipment leading to early failure.
- Where the employee has lost the equipment.

All employees shall, as a minimum, be required to wear the following PPE on any projects:

- Protective overalls
- Protective footwear
- Protective headwear
- Eye/face protection

All PPE provided to local labour working on the Expanded Public Works Programme shall be branded in accordance with the EPWP CI Manual. Typical elements which shall be branded include:

- Protective overalls
- Reflective vests
- Protective headwear

The rate for local labour shall include for the supply of EPWP branded PPE in accordance with the Provincial EPWP specifications. The rate shall include the additional cost of the specified colours for the PPE and branding in accordance with CI manual.

THE TENDERED RATE SHALL INCLUDE FULL COMPENSATION FOR BRANDING THE PPE AS DETERMINED IN THE RISK ASSESSMENTS AND AS REQUIRED FOR FULL DURATION OF THE CONTRACT.

#### PSA.4 EPWP SIGNBOARD

The Contractor will be required to erect two signboards displaying the EPWP logo, indicating that this project is part of the EPWP. All costs related to the provision, erection and subsequent removal of the signboard shall be refunded to the Contractor through the provisional sum included in the Schedule of Quantities for this purpose.

#### PSA.5 COMMUNITY LIAISON OFFICER (CLO)

The contractor or his/her appointed agent will appoint a Community Liaison Officer (CLO) after consultation with the local communities, the engineer and the employer. The contractor shall direct all his/her liaison efforts with the local communities through the appointed officer. The contractor shall, however, accept the appointed as part of his/her management personnel.

(a) Duties of the Community Liaison Officer

The Community Liaison Officer's duties will be:

To be available on site daily between the hours of 07h30 and 16h30 and at other time as the need arises. His/her normal working day will extend from morning until 17h30 in the afternoon.

To determine, in consultation with the contractor, the needs of the temporary labour for relevant skills training. He will be responsible for the identification of suitable trainees and will attend one of each of the training sessions.

To communicate daily with the contractor and the engineer to determine the labour requirements with regard to numbers and skill, to facilitate in labour disputes and to assist in their resolution.

To assist in and facilitate in the recruitment of suitable temporary labour and the establishment of a "labour desk".

To attend all meetings in which the community and/or labour are present or are required to be represented.

To assist in the identification, and screening of labourers from the community in accordance with the contractor's

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requirements.

To inform temporary labour of their conditions of temporary employment and to inform temporary labourers as early as possible when their period of employment will be terminated.

To attend disciplinary proceedings to ensure that hearings are fair and reasonable.

To keep a daily written record of his/her interviews and community liaison.

To attend monthly site meetings to report on labour and RDP matters.

All such other duties as agreed upon between all parties concerned.

To submit monthly returns regarding community liaison as illustrated in Part C5.1 of this document (form RDP 12(E)).

(b) Payment for the community liaison officer

A special pay item is incorporated in section 1200 of the bill of quantities relating to payment of the liaison officer on a prime cost sum basis. This payment shall only be made for the period for which the duties of the liaison officer are required and not necessarily for the full duration of the contract. The remuneration of the CLO shall be determined jointly by the contractor, engineer and employer.

(c) Period of employment of the community liaison officer

The period of employment of the community liaison officer shall be as decided upon jointly by the contractor, engineer and employer.

**PSA.6 COMMUNITY PARTICIPATION.**

**PSA.6.1 PURPOSE**

In order to give effect to the need for participation and transparency in the process of appointing labour, the community should participate in the decision-making process throughout the life of a project. This shall be achieved through structured engagement between those responsible for the delivery of the project and the community.

**PSA.6.2 STRUCTURE AND COMPOSITION**

A Project Liaison Committee (PLC) may be formed from representatives of the Employer, the Engineer, the Contractor and the Community if the project is such that a specific community can be identified.

**PSA.6.3 PROCEDURES**

**PSA.6.3.1** The PLC deals with labour and SMME involvement on the project and shall meet at least once every month until such time as it is of the opinion that it could fulfil its tasks by meeting less frequently.

**PSA.6.3.2** The PLC shall make recommendations by consensus. If consensus cannot be reached, the decision of the Employer will be final in cases that have no financial implications for the Contractor or where payment is to be made from PC items. Where the financial responsibility for the successful completion of the works rests with the Contractor, the Contractor's decision shall be final. In fulfilling its tasks, the PLC shall be guided by the relevant sections of this specification and the supplementary documents.

**PSA.6.4 TASKS OF THE PLC**

2.4.1 To assist with community liaison and resolution of disputes.

2.4.2 To devise fair and transparent procedures that will assist the Contractor in the engagement of labour and the award of sub-contracts to SMME's.

2.4.3 To advise on and monitor labour issues.

2.4.4 To assist in resolving labour disputes.

**PSA.6.5 ASSISTANCE TO THE PLC**

**PSA.6.5.1** The Employer may appoint a competent local person as a Community Liaison Officer to assist the

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Engineer and the Contractor in the day to day liaison with the communities directly affected by the project.

#### PSA.7 UNEMPLOYMENT INSURANCE FUND

The contractor will be responsible for payment or contribution of UIF for all labour employed under the project. Proof of payment of UIF shall be available upon request.

#### PSA.8 WORKMEN'S COMPENSATION ACT

All labour employed on the site shall be covered by the Workmen's Compensation Act. The contractor shall pay in full, including the payment of the necessary levies, such amounts, as are due in terms of the Act. The contractor at the commencement of the contract shall resolve the manner in which Workmen's Compensation will be handled. Amounts paid by the contractor shall not be included in the wage rates but shall be an extra payment allowed for by the contractor.

#### PSA.9 LABOUR-INTENSIVE CONSTRUCTION METHODS

Labour-intensive construction shall mean the economically efficient employment of as great a portion of labour as is technically feasible to produce a standard of construction as demanded by the specifications with completion by the Due Completion Date, thus bringing about the effective substitution of labour for plant and equipment.

Appropriate portions of the Works included in the Contract shall be executed using labour-intensive construction methods.

Except where the use of plant is essential in order, in the opinion of the Engineer, to meet the specified requirements by the Due Completion Date, or where the use of plant is essential as a result of occupational health and safety considerations, the Contractor shall use only hand tools and equipment in the construction of those portions of the Works that are required in terms of these Project Specifications to be constructed using labour-intensive construction methods.

These portions of the Works shall be constructed utilizing only locally employed labour and/or the labour of local subcontractors, supplemented by the Contractor's key personnel to the extent necessary and unavoidable, unless otherwise instructed by the Engineer and in accordance with the further provisions of the relevant sections of Portion B of the Project Specifications.

Subject to considerations of occupational health and safety, the portions of the Works to be executed using labour-intensive construction methods are:

- ☐ Clearing and grubbing of the Site;
- ☐ Excavation for structures up to 1,5 m deep;
- ☐ Bedding, selected fill, backfilling and compaction of all pipe trenches irrespective of depth, but assisted by mechanical compaction equipment in order to achieve the specified densities;
- ☐ Transportation and spoiling of all trench materials, where the disposal site is located within 20 metres of the source;
- ☐ Dismantling and re-erection of fences;
- ☐ Mixing and placing of concrete;
- ☐ Construction of all brickwork required for structures; and
- ☐ Cleaning and tidying up of the Site.

#### PSA9.1 MATERIAL

Where possible, the contractor shall source material from within 0.5 km of the site utilizing local labour. The material which may be sourced from site includes:  
Rock for gabions and stone pitching

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## PSA9.2 TASK BASED ACTIVITIES

Labour Intensive activities are to be planned as task-based works where required. Task based refers to a specific amount of work to be performed which is clearly defined by a quantity and quality. Typically, a particular task can be completed within a working day.

## PSA.10 REQUIREMENTS OF EXPANDED PUBLIC WORKS PROGRAMME

### PSA10.1 EPWP PROJECT SPECIFICATION

As much as is economically feasible, all work shall be implemented by employing Labour Intensive Construction methods. Over and above the normal Building and Allied works to be implemented by employing skilled and unskilled labour the works specified in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)" shall be undertaken using Labour Intensive Construction methods.

### PSA.11 EMPLOYMENT OF UNSKILLED AND SEMI-SKILLED WORKERS IN LABOUR INTENSIVE WORKS

Requirements for the sourcing and engagement of labour.

PSA.11.1 Unskilled and semi-skilled labour required for the execution of all labour-intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

PSA.11.2 The rate of pay for the EPWP is set by the ZDM in consultation with the community leaders.

PSA.11.3 Tasks established by the contractor must be such that:

- a) the average worker completes 5 tasks per week in 40 hours or less; and
- b) the weakest worker completes 5 tasks per week in 55 hours or less.

PSA.11.4 The contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of 11.3.

PSA.11.5 The Contractor shall, through all available community structures, inform the local community of the labour-intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and / or who come from households:

- a) where the head of the household has less than a primary school education;
- b) that have less than one full time person earning an income;
- c) where subsistence agriculture is the source of income.
- d) those who are not in receipt of any social security pension income.

PSA.11.6 The Contractor shall endeavour to ensure that the expenditure on the employment of temporary workers is in the following proportions:

- a) 55 % women;
- b) 55% youth who are between the ages of 18 and 35; and
- c) 2% on persons with disabilities.

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PSAB ENGINEER'S OFFICE

PSAB.1 NORMAL PROJECTS

PSAB.1.1 OFFICE BUILDINGS (Engineers Site Office) (1)

One site office shall be provided of at least 20m<sup>2</sup> area, complete with a level, 85mm concrete floor over 250micron USB green water proofing, insulated roof / ceiling, lockable door and be supplied with a table of at least 3.0m x 1.8m and 12 chairs. Allowance shall be made for the proper display and storage of plans.

In addition, this office shall be fitted with an air conditioning unit of at least 12000 BTU capacity and powered by the contractor's electrical provision.

Office furniture to be supplied by the Contractor:

Designated serviced engineer's ablutions

Fridge minimum 94L with refreshments supplied at R1500/month

Dell – 12th Generation Intel Core i7, 17" screen 512 solid state hard drive laptop with minimum 50GB/month LTE or better connection. Windows 11 Pro 64 bit, Office 365 Business (includes Excel, Word, Outlook, PowerPoint) Microsoft Projects 365, laptop carry bag

One Printer/Scanner Combo (& Printer Cartridge allowance for 150 Pages Colour and 150 Pages Black per month)

Smart Cellphone to the value of R10 000 supplied with airtime value of R2000/month

Free Wifi access at the site office to be supplied by contractor

2 shade cloth covered Carports

One kettle, microwave and tea set.

This office shall not be used for the contractor's storeroom.

This office will be paid for per month and only once it is erected and approved.

At least one pit latrine or chemical toilets, suitably enclosed, shall be maintained close to all the engineer's office at all times. All possible measures shall be taken to control odour.

PSAB.1.2 Nameboards (3.2.1)

The Contractor shall supply two name board in accordance with the details indicated in this document. (2.4m x 1.2m on metal frame on timber posts).

The boards shall be placed in a position designated by the Engineer.

This boards shall remain the property of the Contractor who shall dismantle and remove the said board on completion of the contract.

PSAB.1.3 LABORATORY (3.2.3)

Provide a suitably sized concrete curing pit / bath, filled with water and maintained, to keep all concrete test cubes submerged prior to delivery to an independent test laboratory.

PSAB.1.4 SURVEY FACILITIES (3.2.4)

The Contractor shall make available on site and maintain for use by the Engineer and / or his/her representative the following: -

Two survey assistants as and when required;

Two automatic levels (new, with calibration certificates) each with tripod;

c) Two level staffs, all graduated metrically;

d) Two 5m and one 30m tape measure;

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- e) Four ranging rods;
- f) Steel pegs – No: 50, 12 mm dia. x 400 mm long; and  
Two x 1.8kg hammer.

**PSAB.1.5 HOUSING FOR THE ENGINEER'S STAFF (3.2.5)**

An allowance to be made for R10 000 per month for the payment of accommodation of the full time engineers site representative for the duration of the contract. A contract must be signed within the period when the works permit is applied for and paid for in full monthly in advance for the accommodation.

**PSAB.1.6 VEHICLES FOR THE ENGINEER'S REPRESENTATIVE**

The Contractor shall provide for the exclusive use of the Employers Agent and their staff One (1. No) vehicles as required by the Engineer. The vehicle/s shall, unless specified otherwise, be a minimum:

One ton four-wheel drive LDV (Isuzu extra Cab) or similar suitable SUV  
Not older than 2 years from date of 1st registration  
Not more than 40 000km on the odometer on hand-over  
Current roadworthy certificate (not less than 1 month old at time of handover)

The tendered rates shall include for all fully comprehensive insurances, financing costs, depreciation, licensing, fuel, lubricants, maintenance and repairs and any other expenses and fees of a general nature that may occur. The contractor will provide a fuel card with each vehicle supplied which can be used for fuel and other consumable purchases by the driver of the vehicle.

The Contractor shall keep this equipment continuously and comprehensively insured and shall indemnify the Employer and the Engineer against any claims and deductibles in this regard. The Contractor shall maintain the vehicle/s in good working order until the completion of the Works, whereupon ownership of said vehicle/s shall revert to the Contractor. Further the contractor will be required to wash the vehicle at least 2x per month. The Contractor shall also be responsible for providing a temporary alternative equivalent vehicle should the provided vehicle be not available for use for a period longer than 48h. Although the site staff members to whom the vehicles are allocated are not allowed to use it for personal travel, said members may need to use the vehicles for attending to other work-related needs approved by the Engineer. The vehicles will revert to the Contractor upon issue of the Certificate of Completion or date as mutually agreed

Separate items are included in the Schedule of Quantities to cover this item as follows:

A monthly fixed rate to cover the cost of providing the vehicle and ensuring that it is always fully serviceable and roadworthy.

A cost to cover travel by the Engineer's staff. This item will be measured in kilometers (km) and will be measured monthly according to the odometer reading/s and shall cover all fuel, maintenance, repairs and consumables."

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PSC SITE CLEARANCE

PSC.1 MATERIALS (3)

PSC .1.1 DISPOSAL OF MATERIAL (3.1)

Suitable spoil sites will be located on site by the Engineer and confirmed by the issue of a site instruction. The Contractor may not make his/her own arrangements in this regard without the written approval of the Engineer.

PSC.2 CONSTRUCTION (5)

PSC.2.1 AREAS TO BE CLEARED AND GRUBBED (5.1)

Areas to be cleared and grubbed shall be classified as follows:

General Clearing and Grubbing

Any areas requiring particular clearing and grubbing must be agreed with the Engineer prior to any such clearing taking place. Any area cleared without the consent of the Engineer will not be measured in terms of this Clause and may result in further action being taken against the Contractor in terms of any contravention with the environmental management plan. Where the Engineer has instructed that clearing must take place or is required, it shall be measured as a strip 15m wide.

PSD EARTHWORKS

PSD.1 MATERIALS (3)

PSD .1.1 CLASSIFICATION FOR EXCAVATION PURPOSES (3.1)

Classification of material other than "soft excavation" shall be agreed with the Engineer before excavation may be commenced.

The Contractor shall immediately inform the Engineer if and when the nature of the material being excavated changes to such an extent that a new classification for further excavation is warranted. Failure on the part of the Contractor to advise the Engineer thereof in good time shall entitle the Engineer to classify, at his/her discretion, such excavation as may have been executed in material of a different nature.

For the purpose of this contract all material will either be classed as, soft, hard rock or Boulder Class A.

No differentiation shall be made between "intermediate" and "Boulder Class B" excavation, both will be measured as soft excavation.

PSD.1.2 Classes of excavation (3.1.2)

In all cases where soft founding materials is classified as suitable for culvert beddings construction, the in-situ material shall be ripped, moistened and compacted to 90% to 93% modified AASHTO density. The depth of preparation and compaction of founding material shall be indicated on drawings as specified by the engineer. Allowance for measurement and payment for this work is made in the bill of quantities under this section".

Boulder excavation Class B and Intermediate - Shall be classified as soft excavation.

PSD.2 CONSTRUCTION (5)

PSD.2.1 Conservation of Topsoil (5.2.1.2)

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Topsoil stripping shall be 150mm and the material shall be conserved separately for re-use as specified in the environmental management plan.

**PSD.2.2 Disposal (5.2.2.3)**

All excess material shall be disposed of at the designated spoil sites levelled in layers not exceeding 300 mm and compacted to 90% MOD AASHTO density.

**PSD.2.3 Erosion Control Berms (Add new Clause 5.2.3.3)**

Where instructed by the Engineer, earth berms shall be constructed to the dimensions shown on the drawings or to the detail instructed by the Engineer. The berms shall comprise excess fill material from the trench, shall be hauled by wheelbarrow, placed and shall be hand stamped in layers not exceeding 150mm. The berms shall be slightly overfilled before being shaped to the detail shown on the drawings. The material shall wherever possible be sourced within the free haul distance of 500m. After completion, the Engineer may instruct the Contractor to construct un-grouted, handpicked and packed stone pitching along the upstream edge of the berm.

**PSD.2.4 Sandbag Protection to Pipe Trench (Add new Clause 5.2.3.4)**

Where instructed by the Engineer, 25kg sandbags made from woven polypropylene shall be filled with selected fill material as specified in SABS 1200 LB and placed in a stretcher bond pattern around the pipe. The bags shall be firmly packed and hand stamped into place and shall be keyed a minimum of 500mm into the side wall of the trench. Where specified, the selected fill material shall first be brought to optimum moisture and then stabilized by the addition of 1% cement.

**PSD.2.5 EPWP Construction Methods**

The generic labour-intensive specification below is the same as SANS 1921-5, construction and management requirement for works contracts- part 5: earthworks activities which are to be performed by hand and should be included in the scope of works without amendment or modification as set out below.

**SCOPE**

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- a. Trenches having a depth of less than 1.5metres
- b. Stormwater drainage
- c. Low-volume roads & sidewalks

**PRECEDENCE**

Where this specification is in conflict with any other standard or specification referred to in the scope of works to this contract, the requirements of this specification shall prevail.

**HAND EXCAVATEABLE MATERIAL**

Hand excavatable material is material:

- a. granular materials:

whose consistency when profiled may in terms of table 1 be classified as very loose, loose, medium dense, or dense; or

where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

- b. cohesive materials:

whose consistency when profiled may in terms of table 1 be classified as very soft, soft, firm, stiff and stiff / very stiff; or where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders,

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no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm.

A boulder, a cobble and gravel is material with a particle size greater than 200mm, between 60 and 200mm.

A dynamic cone penetrometer is an instrument used to measure the insitu shear resistance of a soil comprising a drop weight of approximately 10kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

Table 1: Consistency of materials when profiled

GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	DESCRIPTION	CONSISTENCY	DESCRIPTION
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

#### Trench excavation

All hand excavatable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

Compaction of backfilling to trenches (areas not subject to traffic)

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers:

To 90% Proctor density;

Such that in excess of 5 blows of a dynamic cone penetrometer (DCP) is required to penetrate 100mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders; or

Such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

#### Excavation

All hand excavatable material including topsoil classified as hand excavatable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand.

The excavation of any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

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PSD.3 MEASUREMENT AND PAYMENT

PSD.3.1 Erosion Control Berms .....Unit (m3)

The rate shall include for all costs to source the material, remove any oversized material, load, haul within the free haul, offload, spread, overfill, compact and trim to the finished dimensions shown on the drawings.

PSD.3.2 Sandbag Protection to Pipe Trench..... Unit (No)

The rate shall include for all costs to supply the 25kg bags, select material, fill bags, place in restricted areas and hand stamp.

PSD.3.3 Extra-Over Sandbag Protection for Stabilisation.....Unit (No)

The rates shall include all extra costs to ensure that the material is at optimum and to supply and mix cement at 1%.

PSD.3.4 Extra over sub-item for excavation by hand using hand tool .....cubic metre (m³)

Measurement shall be as specified for pay item 22.01 of the standard specifications.

The tendered rate shall include full compensation for carrying out the excavation by hand where circumstances prevent the use of mechanical excavators.

PSDB EARTHWORKS (PIPE TRENCHES)

PSDB.1 MATERIALS (3)

PSDB.1.1 CLASSES OF EXCAVATION (3.1)

The classification of excavated materials shall be as specified in Subclause 3.1 of SABS 1200 D and PSD.1.2.

PSDB.1.2 CONTROL OF WATER (4.2)

The Contractor may encounter some seepage water in some of the trench excavation. No separate payment will be made for measures required to deal with this water.

PSDB.2CONSTRUCTION (5)

PSDB.2.1 MINIMUM BASE WIDTHS (5.2)

The trench width for pipe diameters of 1000 mm and less shall be minimum pipe diameter plus 800mm (400 mm side allowance) to allow adequate working space for proper jointing and laying of pipe, but shall not be wider than pipe diameter plus 1000 mm.

PSDB.2.2 TRENCH BOTTOM (5.5)

Add "When the trench bottom is unsuitable due to waterlogged conditions, at the direction of the Engineer the Contractor shall excavate for and lay a crushed stone mat of minimum thickness 100mm, the stone having a maximum particle size of size of 25 mm. The stone mat should be covered with Geotextile (Bidim)

Add "The bottom of excavation for manholes and headwalls in soft ground shall be thoroughly rammed and consolidated at the Contractor's expense, before any concrete is placed."

PSDB.2.3 BACKFILLING (5.6)

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**PSDB.2.3.1 General (5.6.1)**

ADD the following to the clause:

No thrust block or pipe requiring special wrapping may be covered by either the fill blanket or the main backfill until inspected and passed by the Engineer.

**PSDB.2.3.2 Disposal of unsuitable and make up of deficiency of backfill material (5.6.3 and 5.6.5)**

The free-haul distance shall be the entire site of works, for each project.

**PSDB.2.3.3 Completion of backfilling (Clause 5.6.6)**

Backfilling around the pipe shall not be allowed to fall more than 240m behind the laying of the pipe. If rain is forecast pipes should be backfilled to avoid floating.

After the pipes have been laid, no backfilling shall be undertaken until the pipes have been inspected and approved by the Engineer.

The Contractor may use his/her discretion as to whether to backfill around joints before the pipeline is tested and should he decide to backfill the joints he shall be responsible for the locating of any leaks and no extra payment shall be made for any re-excavation and subsequent reinstatement.

**PSDB.2.4 COMPACTION (5.7)**

**PSDB.2.4.1 Areas subject to traffic loads (5.7.2)**

Areas subject to traffic loads will be instructed by the Engineer in writing. No other areas will be considered for payment. The contractor will be expected to provide test results from an approved laboratory demonstrating that the additional compaction effort has been achieved. No additional payment will be made for these tests.

**PSDB.2.5 SHORING (5.11)**

In view of the fact that the excavation will take place in open areas, no additional payment will be made for shoring. The measurement width will also remain as specified herein although the Contractor may wish to batter the sides to avoid the need for shoring.

The provision for shoring shall be deemed to be included in the relevant rates for excavation. The Contractor's attention is drawn to the need to operate safely and to ensure that trenches are either shored or battered to a safe slope.

**PSDB.3 MEASUREMENT AND PAYMENT (8)**

**PSDB.3.1 BASIC PRINCIPLES (8.1)**

In addition to the activities listed in 8.1.1, excavation shall also include for the cost of piping and compacting the trench bottom to a minimum of 90% MOD AASHTO density in all materials irrespective of whether the base has been loosened or not during excavation.

**PSDB.3.2 Excavation ancillaries (8.3.3)**

**PSDB.3.2.1 Overhaul (8.3.3.4)**

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Overhaul distance shall be calculated from the point of loading to the point of placing less the 0,1km free haul, in one direction only, by the shortest practicable route. Only one type of overhaul will be measured.

**PSDK GABIONS AND PITCHING**

**PSDK.1 MATERIALS (3)**

**PSDK .1.1 Gabion Cages (3.1.2)**

The cages for gabion baskets shall comprise mesh type 80 and 2.7mm Class A galvanized wire. The cages for reno mattresses shall comprise mesh type 60 with 2.2mm Class A galvanized wire.

**PSDK .1.2 Geotextile (3.1.3)**

The geotextile shall comprise grade A2 as indicated in the tables below.

Properties		Units	Standard Grades							Test Methods
			A1	A2	A3	A4	A5	A6	A7	
Thickness	Thickness under 2 kPa	mm	1.3	1.6	1.8	2.1	2.7	3.4	4.4	SABS 0221-88
Permittivity	@ 100mm head	S-1	3	2.9	2.5	2.3	2	1.7	1.1	Cal
Porosity	Under 2 kPa	%	93	93	93	93	93	92	90	GTS
Throughflow	@ 100mm head	l/s/m2	300	285	250	235	200	180	110	SABS 0221-88
Permeability	1.0 x 10-3	m/s	3.9	4.3	4.5	4.9	5.4	5.9	4.8	
Pore Size	O95W	µm	240	225	205	190	165	145	100	Franzius Institute
	O95H	µm	195	185	170	155	125	100	70	NF,G 38017
Penetration Load	CBR	kN	1.5	1.7	2.1	2.5	3.6	4.5	6.5	SABS 0221-88
	Elongation	%	30-50							

Installation Conditions	Grade of Geotextile				
	A1	A2	A3	A4	A5
Trench < 2.0m dep with smooth sides and rounded drainage stone with moderate compaction					
Trench < 2.0m deep with rough sides or sharp drainage stone with moderate compaction					
Trench < 2.0m deep with rough sides or sharp drainage stone with high compaction					
Trench > 2.0m deep with smooth sides and rounded drainage stone with moderate compaction					
Trench > 2.0m deep with rough sides or sharp drainage stone with high compaction					

**PSDK.1.3 Stone (3.2.1)**

The stone to be used on this contract shall be as classified as medium in terms of Table 2.

**PSDK.2CONSTRUCTION (5)**

**PSDK.2.1 Stone Catchwater Berms (5.3.6)**

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Where instructed by the Engineer, stone catchwater berms shall be constructed to the dimensions shown on the drawings. The stone shall be classified as medium in terms of Clause 3.2.1 Table 2. The placing of the stones shall be as specified in Clause 5.3.2 with the exception that the last paragraph of Clause 5.3.2 is to be deleted.

## **PSG STRUCTURAL CONCRETE**

### **PSG 2 FORM WORK (5.2)**

#### **PSG 2.2.1 FORMED FINISHES**

Are those concrete surface finishes developed using formwork and whose standard of finish in each class shall be as described.

The Contractor shall inform the Engineer of any defect in terms of this Specification and the Contractor without the prior approval of the Engineer shall carry out no remedial work. Any defect shall be made good at the Contractor's expense by either removing and replacing the defective concrete, or, in certain instances only, by patching, all as approved by the Engineer and to the standard of finish required.

#### **PSG 2.2.2 CLASS F1 ORDINARY FINISH**

Formwork panels shall be of such quality that upon removal, the concrete is true and even, free from fins and recesses greater than 5mm size, honeycombing, large air holes and the like. Blowholes shall be filled if so required by the Engineer.

#### **PSG 2.2.3 CLASS F2 SMOOTH FINISH**

This class of finish requires a high standard concrete work, formwork and technique.

Concrete placed in any one structure to give this finish shall be made from cement and aggregates from the same source, and similarly, the grading of the aggregate shall be kept constant.

Formwork shall be metal or wrought timber in a new condition designed and constructed to suit the particular job in hand and with shutter bolts and joints between panels in a regular pattern approved by the Engineer. Joints between panels shall be watertight.

Construction joints shall be in the position and of the detail shown upon the working drawings. Should the Contractor wish to incorporate further construction joints or amend the position of those shown to suit his own requirements or technique, this may be allowed provided that all design considerations are met, that the prior approval of the Engineer is obtained and that any extra costs are borne by the Contractor. In the case of horizontal construction joints, the top edge of the concrete on the Class F2 smooth finish is to be struck true and level with a trowel.

Special care shall be taken to ensure that forms are clean of all pieces of tying wire, nails and other debris at the time of concreting.

The standard of finish shall be such that, upon removal of the formwork, no further treatment, other than treatment of bolt holes if required, shall be found necessary to provide a straight, smooth and uniform finish of good quality and consistent colour and texture, free of all honeycombing and large air holes.

### **PSG 6 CONCRETE STRUCTURES (5.5.11) PSG6.2 DESIGN OF CONCRETE MIX**

The design of the concrete mix should be based on the following:

A maximum water / cement ratio of "0.5" should be used and;

The 28 day characteristic cube strength should not be less than 35 N/mm<sup>2</sup>.

600g/m<sup>3</sup> Polypropylene Microfibers should be added to the concrete mix.

Oxygen Permeability & Water Sorptivity test of the concrete structure will be evaluated as per the following table:  
(Average of 4 x core samples)

Acceptance	Oxygen Permeability Index (log scale)	Water Sorptivity (mm√h)
Full Acceptance	Greater than or equal to 9.15	Less than or equal to 8
Conditional Acceptance	From 9.0 to 9.15	From 8 to 12
Rejection	Less than 9.0	Greater than 13

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## PSG6.5 REQUIREMENTS AND TESTS FOR WATERTIGHTNESS OF CONCRETE STRUCTURES

PSG6.5.1 The completed structure shall be watertight, and the quality and finish of the work shall be such that no after-treatment of the work such as plastering or cement wash is necessary to ensure compliance with this requirement.

The works will not be certified complete until the structures have been proved by testing to be watertight.

PSG6.5.2 Upon completion of construction and when so agreed by the Engineer, the structure shall be filled by the gradual admission of water until the water level reaches the designed maximum level. The water level shall then be carefully noted and recorded by the Engineer in relation to a fixed bench mark, and the structure shall be allowed to remain filled for a period of two (2) weeks or such longer time as may be required to permit complete saturation of the concrete. During this period, readings will be taken by the Engineer and the results so obtained will be available for the information of the Contractor.

At the end of this period more water shall be added, if necessary, to bring the water level back to the designed maximum level and the water shall be left undisturbed for a period of ninety six (96) hours during which time the level shall again be recorded by the Engineer at regular intervals. The structure shall be considered to be watertight if the drop in water level does not exceed 6 mm in ninety six (96) hours in the case of a roofed structure and if no leakage is apparent.

The acceptable drop in level in the case of an unroofed structure shall be such that it allows for normal evaporation during the time of the test.

PSG6.5.3 If appreciable leakage is evident at any stage of the filling or testing or if, in the opinion of the Engineer, the degree of water-tightness is unsatisfactory, the Contractor shall, when so ordered by the Engineer, discontinue the test immediately and at his own expense take approved steps to rectify the work. The work of rectification shall be continued assiduously until, on repetition of the test procedure, a satisfactory test result is obtained and the degree of water-tightness is acceptable.

PSG6.5.5 The Engineer shall have the right to retest the structure before the expiry of the period of maintenance and the results of these tests will be made available to the Contractor. If these tests indicate to the Engineer that the degree of water tightness is unsatisfactory, the Engineer (before issuing the final certificate) will be entitled to order the Contractor to rectify the work at his own expense in such a manner as will cause least interruption to the running of the works and will ensure that the degree of water-tightness of the structure is satisfactory.

## PSGA CONCRETE (SMALL WORKS)

### PSGA.1 PLANT (4)

#### PSGA.1.2 Finish (4.4.2)

The finish of all exposed concrete whether internal or external shall be smooth "off the shutter" all other concrete surfaces shall be measured as rough.

### PSGA.2 CONSTRUCTION (5)

#### PSGA.2.1 Fixing (5.1.2)

Welding of reinforcement will not be permitted.

#### PSGA.2.2 Quality (5.4.1)

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All concrete used on this contract shall be strength concrete.

On the drawings strength concrete has been designated by its characteristic strength followed by the size of stone to be used in its manufacture, e.g. 30/20 refers to a concrete of strength 30 MPa at 28 days made with 20mm stone.

PSGA.2.3 Ready mixed concrete (5.4.1.6)

No ready mixed concrete will be allowed in this contract. All concrete required for this project is to be mixed using Labour Intensive methods (LI).

PSGA.3 TESTS (7)

PSGA.3.1 Frequency of testing (7.1.2)

As the concrete used on this contract will involve small quantities the Engineer will decide when testing is to be done. The Contractor is however required to provide a minimum of 3 moulds and to make the tests.

PSGA.4 MEASUREMENT AND PAYMENT (8)

PSGA.4.1 Concrete (8.1.3.3)

PSGA.4.2 (a) The unit rates for concrete shall include for the cost of testing.

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## PSHA STRUCTURAL STEELWORK

### PSHA.1 CONSTRUCTION (5)

PSHA.1.1 Add the following sub-clause:

#### 5.5.6 Fasteners:

Erection shall include the supply of fasteners.

### PSHA.2 MEASUREMENT AND PAYMENT (8)

PSHA.1.2 Erection on site (8.3.3)

Add the following:

The unit rate for erection shall cover the cost of fasteners.

## PSL MEDIUM PRESSURE PIPELINES

### PSL MEDIUM PRESSURE PIPELINES (SANS 1200 L)

#### PSL 3.4 Steel Pipes Fittings and Specials

##### PSL 3.4.3 Steel Pipes of Nominal Bore greater than 250mm

Unless otherwise scheduled, steel pipes and fittings of nominal bore over 250mm shall be manufactured to conform to SABS 719/1971 from grade 300WA steel and shall have a minimum wall thickness of 4.5mm.

##### PSL 3.4.4 Fittings and Specials

Steel specials shall be fabricated from straight steel pipe as specified in PSL.1.1.1 and PSL.1.1.2 and shall be manufactured and tested in accordance with BS 534 – Clause 4.

Where specified on the drawings or schedule of quantities, ANSI B16 curvature bends, tees and reducers shall be used.

#### PSL 3.8 Jointing Materials

All jointing materials such as nuts, bolts and gaskets etc. Are to be included in the respective rates for pipes and specials.

##### PSL 3.8.3 Flanges and Accessories

“All flanges shall be drilled in accordance with SABS 1123. Flanges shall be drilled to Table 16 as a minimum and shall be drilled to match the pressure rating of the adjacent fitting or pipe for pipes and fittings rated greater than 16 bars”.

All buried flanges to be denso wrapped in accordance with SABS 1211, AS/NZC 4020: 1999.

##### PSL 3.8.4 Loose Flanges

“Nuts and Bolts and other fasteners shall be galvanised (SANS EN 121) hexagon head type and comply with the requirements of SABS 135 – 1971 with threads of the coarse pitch series”

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## PSL.7 TESTING (7)

### PSL.7.1 Standard hydraulic pipe test (7.3.1.2)

Subject to the provisions of 7.3.1.3 and 7.3.1.4 the test pressure for field-testing shall be 1,25 times the maximum working pressure for the class of pipe specified.

## PSL.8 MEASUREMENT AND PAYMENT (8)

### PSL.8.1 Supply, Lay and Bed Pipes Complete with Couplings (8.2.1)

The rate for laying shall be deemed to include for connecting pipes to existing pipes where necessary.

The rate for testing of pipelines and appurtenances shall be deemed to include for the supply and loan of temporary valves, end caps, blank flanges, isolating-type devices, buffer beams or anything else the Contractor considers necessary to complete a successful test.

### PSL.8.2 Special wrapping in corrosive soils (8.2.15)

The rate for wrapping of steel pipes and specials as set out in PSL.3.4 shall be deemed to include for the packing with bitumen-based mastic and external encasing protection of joints and couplings as well as the outer protective wrap.

### PSL.8.3 Lay and Bed Pipes Complete with Couplings (8.2.16)

The rate shall include the cost for checking all pipes at the stockpile, loading, transporting to construction site and offloading.

The rate for laying shall be deemed to include for connecting pipes to existing pipes where necessary.

The rate for testing of pipelines and appurtenances shall be deemed to include for the supply and loan of temporary valves, end caps, blank flanges, isolating-type devices, buffer beams or anything else the Contractor considers necessary to complete a successful test.

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## PSLB BEDDING (PIPES)

### PSLB.1 INTERPRETATIONS (2)

#### PSLB.1.1 DEFINITIONS (2.3)

Add the following new definition:

##### PSLB.1.1.1 Stone mat

Material that complies with the requirements of PSLB.2.3.

### PSLB.2 MATERIALS (3)

#### PSLB.2.1 SELECTED GRANULAR BEDDING (3.1)

Add the following new subclause:

##### PSLB.2.1.1 STONE MAT (3.1.1)

Stone mat shall be 25mm nominal size stone for concrete complying with the requirements of SABS 1083 (Category 2).

#### PSLB.2.2 BEDDING (3.3)

##### PSLB.2.2.1 GRANULAR BEDDING (3.3.1)

Add the following to the clause:

“granular material from suitable borrow pits. Material from borrow pits must be tested, and results supplied to the engineer for approval prior to use.

The rate for granular material sourced from borrow pits shall include for all work to select, remove oversize and/or unsuitable material by sieving etc.”

##### PSLB.2.2.2 PLACING OF BEDDING (3.5)

Add the following new clause:

“All bedding from commercial/borrow shall be hauled and placed along the trench at intervals not closer than 100m. The bedding material shall then be hauled with wheel barrow from the stockpile to the trench by Labour intensive methods (LI).”

Special attention to bedding to ensure that the pipe rest on the bedding for the length of the pipe. Fox holes under Couplings is important. Haunching is critical during the installation process.

### PSLB.3 CONSTRUCTION (5)

#### PSLB.3.1 Details of Bedding (5.1.2)

Delete clause 5.1.2a and 5.1.2b and substitute:

“Pipes should be bedded and protected in accordance with the details shown on the relevant drawing”.

### PSLB.4 TOLERANCES (6)

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PSLB.4.1 MOISTURE CONTENT AND PAYMENT (6.1)

Add the following to the clause:

“Permissible deviations of moisture content and density shall conform to Class II degree of accuracy.”

PSLB.5 MEASUREMENT AND PAYMENT (8)

PSLB.5.1 Disposal of displaced material (8.1.5)

“Material displaced by importation of material in terms of 8.1.2 shall be spread levelled and shaped to conform with the natural contours adjacent the trench. Overhaul will be paid on such material. In all cases the thickness of the material once spread shall not exceed 100mm”.

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## PART B2: PARTICULAR SPECIFICATIONS

In addition to the Standardized and Project Specifications the following Particular Specifications shall apply to this contract and are bound in hereafter.

PA OHSa 1993 HEALTH AND SAFETY SPECIFICATION  
PB ENVIRONMENTAL MANAGEMENT PLAN

PA: OHSa 1993 HEALTH AND SAFETY SPECIFICATION

### PA.1 SCOPE

This specification covers the health and safety requirements to be met by the Contractor to ensure a continued safe and healthy environment for all workers, employees and subcontractors under his control and for all other persons entering the site of works.

This specification shall be read with the Occupational Health and Safety Act (Act No 85 and amendment Act No 181) 1993, and the corresponding Regulations, and all other safety codes and specifications referred to in the said Regulations.

In terms of the OHSa Agreement in Section C1.2.4 of the Contract document, the status of the Contractor as mandatory to the Employer (client) is that of an employer in his own right, responsible to comply with all provisions of OHSa 1993 and Regulations 2014.

This safety specification and the Contractor's own Health & Safety Plan as well as the Occupational Health & Safety Act, 85 of 1993 & Construction Regulations 2014, shall be displayed on site or made available for inspection by all workers, employees, inspectors and any other persons entering the site of works.

The following are possible risks associated with this project:

Working in elevated positions, most of the time in a restricted environment with limited landings (working platforms);  
Working above a continuously flowing river and in a flood plain environment subject to flooding;  
Lifting and lowering of materials and equipment from the ground to the bridge and vice versa, exposed to cross winds;  
Steep and restricted access to the lower flood plain below the bridge;  
Potentially dangerous existing services, i.e. gas lines, water and sewerage mains, electrical high voltage cables, on the bridge, buried and overhead;  
Deep excavations in soils requiring shoring or reducing of slopes;  
Blasting of hard rock or demolition of concrete;  
High pressure during testing of the new rising main, which could result in potentially dangerous situations in the event of the pipeline or fittings failing;  
Potentially harmful gasses when tying into existing sewer mains;  
Movement of construction vehicles on site, taking into consideration steep slopes, other traffic and existing services;  
Exposure to possible injuries due to mishandling or failure of power and hand tools;  
Falling debris, tools and materials from bridge;  
Non-conformance to specifications with regards to fasteners and materials;  
Risks related to general safety and security on site.

Additional risks may arise from specific methods of construction selected by the Contractor which are not necessary covered in the above.

### PA.2 DEFINITIONS

For the purpose of this contract the following shall apply:

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Employer” where used in the contract documents and in this specification, means the Employer as defined in the General Conditions of Contract and it shall have the exact same meaning as “client” as defined in the Construction Regulations 2014. “Employer” and “client” is therefore interchangeable and shall be read in the context of the relevant document.

(a) “Contractor” wherever used in the contract documents and in this specification, shall have the same meaning as “Contractor” as defined in the General Conditions of Contract.

In this specification the terms “principal contractor” and “contractor” are replaced with “Contractor” and “subcontractor” respectively.

For the purpose of this contract the Contractor will, in terms of OHS Act 1993, be the mandatory, without derogating from his/her status as an employer in his/her own right.

(b) “Engineer” where used in this specification, means the Engineer as defined in the General Conditions of Contract. In terms of the Construction Regulations the Engineer may act as agent on behalf of the Employer (the client as defined in the Construction Regulations).

### PA.3 TENDERS

The Contractor shall submit the following with his tender:

a documented Health and Safety Plan as stipulated in Regulation 7 (1) (a) of the Construction Regulations 2014. The Safety Plan must be based on the Construction Regulations 2014 and will be subject to approval by the Employer;

a declaration to the effect that he has the competence and necessary resources to carry out the work safely in compliance with the Construction Regulations 2014;

a declaration to the effect that he made provision in this tender for the cost of the health and safety measures envisaged in the Construction Regulations; and

Failure to submit the foregoing with his/her tender, will lead to the conclusion that the Contractor will not be able to carry out the work under the contract safely in accordance with the Construction Regulations.

### PA.4 NOTIFICATION OF COMMENCEMENT OF CONSTRUCTION WORK

After award of the contract, but before commencement of construction work, the contractor who intends to carry out any construction work other than work contemplated in regulation 3(1) of the Construction Regulations 2014, must at least 7 days before that work is to be carried out notify the provincial director in writing in a form similar to Annexure 2 if the intended construction work will-

(a) include excavation work;

(b) include working at a height where there is risk of falling;

(c) include the demolition of a structure; or

(d) include the use of explosives to perform construction work.

The notification must be done in the form similar to Annexure 2 included on page T.53 (Forms to be Completed by Successful Tenderer) of the tender document.

A copy of the notification form must be kept on site, available for inspection by inspectors, Employer, Engineer, employees and persons on site.

### PA.5 RISK ASSESSMENT

Before commencement of any construction work during the construction period, the Contractor must have a risk assessment performed and recorded in writing by a competent person. (Refer Regulation 9 of the Construction Regulations 2014).

The risk assessment must identify and evaluate the risks and hazards that may be expected during the execution of the work under the contract, and it must include a documented plan of safe work procedures to mitigate, reduce or control the risks and hazards identified and must include a monitoring and review plan.

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The risk assessment must be available on site for inspection by inspectors, Employer, Engineer, subcontractors, employees, trade unions and health and safety committee members, and must be monitored and reviewed periodically by the Contractor.

#### PA.6 APPOINTMENT OF EMPLOYEES AND SUBCONTRACTORS

##### PA.6.1 Health and Safety plan

The Contractor must appoint his employees and any subcontractors to be employed on the contract, in writing, and he must provide them with a copy of his documented Health and Safety Plan, or relevant sections thereof. The Contractor must ensure that all subcontractors and employees are committed to the implementation of his Safety Plan.

##### PA.6.2 Health and safety induction training

The Contractor must ensure that all employees under his control, including subcontractors and their employees, undergo a health and safety induction training course by a competent person before commencement of construction work. No visitor or other person shall be allowed or permitted to enter the site of the works unless such person has undergone health and safety training pertaining to hazards prevalent on site.

The Contractor must ensure that every employee on site is in possession of proof of the health and safety induction training issued by a competent person prior to commencement of construction work.

#### PA.7 APPOINTMENT OF SAFETY PERSONNEL

##### PA.7.1 Construction Managers and Supervisors

###### Construction Manager and Alternate Manager – CR 8 (1)

The Principal Contractor must in writing appoint one full-time competent person as the construction manager with the duty of managing all the construction work on a single site, including the duty of ensuring occupational health and safety compliance, and in the absence of the construction manager an alternate must be appointed in terms of Regulation 8 (1). The construction manager cannot manage any other site other than the single site for which he has been appointed. The construction manager must have at least a national diploma in civil engineering with a post graduate experience of five years in the Civil Engineering field.

###### Assistant Construction Manager(s) – CR 8 (2)

The Principal Contractor must in writing appoint one or more assistant construction managers for different sections thereof in terms of Regulation 8 (2): Provided that the designation of any such person does not relieve the construction manager of any personal accountability for failing in his or her management duties. The assistant construction manager cannot manage any other site other than the single site for which he has been appointed. The construction manager must have at least a national diploma in civil engineering.

###### Construction Supervisor(s) – CR 8 (7)

The Principal Contractor must in writing appoint construction supervisors responsible for construction activities and ensuring occupational health and safety compliance on the construction site in terms of Regulation 8 (7). The construction supervisor cannot supervise any other site other than the single site for which he has been appointed. The construction supervisor must have at least five years' experience supervising construction activities on site.

###### Assistant Construction Supervisor(s) – CR 8 (8)

The Principal Contractor must in writing appoint one or more competent employees for different sections thereof to assist the construction supervisor contemplated in sub regulation (7), and every such employee has, to the extent clearly defined by the contractor in the letter of appointment, the same duties as the construction supervisor in terms of

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Regulation 8 (8): Provided that the designation of any such employee does not relieve the construction supervisor of any personal accountability for failing in his or her supervisory duties. The assistant construction supervisor cannot supervise any other site other than the single site for which he has been appointed. The assistant construction supervisor must have at least two years' work experience in his specific task in order to supervise employees.

#### PA.7.2 Construction health & safety officer

Due to the nature of the work, the degree of danger likely to be encountered and the accumulation of hazards or risk on the site, the Principal Contractor must in writing appoint one full or part time Construction Health & Safety Officer to assist in the control of all health and safety related aspects on the site, in terms of Regulation 8 (5). The Construction Health & Safety Officer must be registered and in good standing with the South African Council for the Project & Construction Management Professions (SACPCMP). Each contractor must appoint his / her Construction Health & Safety Officer who is registered and in good standing with the SACPCMP. The contractors' Construction Health & Safety Officer must conduct at least a weekly site visit and submit weekly reports on the findings on the construction site. The contractor may appoint a consultant to oversee the health and safety on site who must perform the same duties as a part time Construction Health & Safety Officer.

Provision must be made by the Contractor in his rates, to cover the cost of this dedicated construction health & safety officer appointed after award of the contract.  
scope and complexity of the works.

#### PA.7.3 Health and safety representatives

In terms of Section 17 and 18 of the Act (OHSA 1993) the Contractor, being the employer in terms of the Act for the execution of the contract, must appoint a health and safety representative in his employment on the site of the works. The health and safety representative must be selected from employees who are employed in a full-time capacity at a specific workplace.

The number of health and safety representatives for a workplace shall be at least one for every 50 employees.

The function of health and safety representative(s) will be to review the effectiveness of health and safety measures, to identify potential hazards and major incidents, to examine causes of incidents (in collaboration with his employer, the Contractor), to investigate complaints by employees relating to health and safety at work, to make representations to the employer (Contractor) or inspector on general matters affecting the health and safety of employees, to inspect the workplace, plant, machinery etc. on a regular base, to participate in consultations with inspectors and to attend meetings of the health and safety committee.

#### PA.7.4 Health and safety committee

In terms of Sections 19 & 20 of the Act (OHSA 1993) the Contractor (as employer), shall establish one or more health and safety committee(s) where there are two or more health and safety representatives at a workplace. The persons selected by the Contractor to serve on the committee shall be designated in writing.

The function of the health and safety committee shall be to hold meetings at regular intervals, but at least once every three months, to review the health and safety measures on the contract, to discuss incidents related to health and safety with the Contractor and the inspector, and to make recommendations regarding health and safety to the Contractor and to keep record of recommendations and reports made by the committee.

#### PA.7.5 Competent persons

In accordance with the Construction Regulations the Contractor must appoint in writing competent persons responsible for each of the following work situations that may be expected on the site of the works.

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Risk assessments as described in Regulation 9;  
 Fall protection as described in Regulation 10;  
 Structures as described in Regulation 11;  
 Temporary Works as described in Regulation 12;  
 Excavation work as described in Regulation 13;  
 Demolition work as described in Regulation 14;  
 Tunneling as described in Regulation 15;  
 Scaffolding work as described in Regulation 16;  
 Suspended platform operations as described in Regulation 17;  
 Rope Access as described in Regulation 18;  
 Material hoists as described in Regulation 19;  
 Batch plant operations as described in Regulation 20;  
 Explosive powered tools as described in Regulation 21;  
 Cranes as described in Regulation 22;  
 Construction vehicle and mobile plant as described in Regulation 23;  
 Temporary electrical installations and machinery on construction sites as described in Regulation 24;  
 Use & temporary storage of flammable liquids on construction sites as described in Regulation 25;  
 Water Environments as described in Regulation 26;  
 Housekeeping & general safeguarding on construction sites described in Regulation 26;  
 Stacking and storage on construction sites as described in Regulation 28;  
 Fire precautions on construction sites as described in Regulation 29; and  
 Construction employees' facilities as described in Regulation 30.

A competent person may be appointed for more than one part of the construction work with the understanding that the person must be suitably qualified and able to supervise at the same time the construction work on all the work situations for which he has been appointed.

The appointment of competent persons to supervise parts of the construction work does not relieve the Contractor from any of his responsibilities to comply with all requirements of the Construction Regulations.

#### PA.8 RECORDS AND REGISTERS

In accordance with the Construction Regulations the Contractor is bound to keep records and registers related to health and safety on site for periodic inspection by inspectors, the Engineer, the Employer, trade union officials and subcontractors and employees. The following records and registers must be kept on site and shall be available for inspection at all times.

A copy of the OSHA 1993 Construction Regulations 2014;  
 A copy of this Health and Safety Specification;  
 A copy of the Contractor's Health and Safety Plan (Regulation 7);  
 A copy of the Notification of Construction Work (Regulation 4);  
 A health and safety file in terms of Regulation 7(1) (b) with inputs by the Construction Health & Safety Officer - Regulation 8 (5&6)  
 A copy of the risk assessment described in Regulation 9;  
 A fall protection plan and the corresponding records of evaluation and training of employees working from elevated positions as described in Regulation 10 and Regulation 18 (2) (b);  
 Drawings pertaining to the design of structures (Regulation 11 (1) (c)) and Temporary works (Regulation 12 (3) (c)) must be kept on site;  
 Pronouncement of the safety of excavations must be recorded in a register to be kept on site (Regulation 13(2)(h));  
 A copy of the certificate of the system design for suspended platforms (Regulation 17(3));  
 A notice must be affixed around the base towers of material hoists to indicate the maximum mass load, which may be carried at any one time by material hoists (Regulation 19 (5));  
 Maintenance records of material hoists and inspection results must be kept in a record book to be kept on site (Regulation 19 (8));

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A record of any repairs to or maintenance of a batch plant must be kept on site (Regulations 20 (8));  
 A warning notice must be displayed in a conspicuous manner when and wherever an explosive powered tool is used (Regulation 21 (2));  
 A register for recording of findings by the competent person appointed to inspect construction vehicles and mobile plant (Regulation 23(1)(k)).

#### PA.9 CONTRACTORS RESPONSIBILITIES

For this contract the Contractor will be the mandatory of the Employer (Client), as defined in the Act (OHSA 1993), which means that the Contractor has the status of employer in his/her own right in respect of the contract. The Contractor is therefore responsible for all the duties and obligations of an employer as set out in the Act (OHSA 1993) and the Construction Regulations 2003.

Before commencement of work under the contract, the Contractor shall enter into an agreement with the Employer (Client) to confirm his/her status as mandatory (employer) for the contract under consideration.

Occupational Health & Safety Specifications in Accordance with Regulation 5 (1) (b) of the Construction Regulations, 2014 for the Schoemansdal Sports Facility

##### Project Details

Client: Nkomazi Local Municipality  
 Designers: ECA Consulting Engineers (Pty) Ltd  
 Scope of Work: Construction of Sports Facility  
     Site Establishment  
     Surveying  
     Traffic Accommodation  
     Proving & Relocation of Existing Services  
     Clearing & Grubbing  
     Excavation Work  
     Installation of Pipelines  
     General building structures  
     Requirements of the Occupational Health & Safety Act, 85 of 1993 & Regulations  
     COVID-19

The Health & Safety Specifications was compiled in accordance with the Occupational Health & Safety Act, 85 of 1993 and Regulations as amended.

##### Site Establishment

The Principal Contractor must find a suitable position within the construction zone to set up the site camp and laydown areas for construction material. These positions must be approved by the client, local councillor and the engineer. These positions must be agreed between all parties before the site camp and laydown areas are established. The site camp must be fenced using a Bonnox type fence with a minimum of 1,8 metres high with shade cloth. The site camp must have separate pedestrian and vehicular access which must be lockable. The site camp must be access controlled by security at all times. All persons entering the site or site camp must be screened in accordance with the COVID-19 Regulations. This will include but not limited to:  
 Non-contact Thermometer readings  
 Completion of a COVID-19 Screening Register  
 Sanitizing using at least a 70% alcohol content hand sanitizer.  
 Ensuring that all persons entering the site camp is wearing and continues to wear a 3-ply washable cloth face mask or similar.

A suitable structure must be erected as a COVID-19 Isolation area, should employees display symptoms of the Coronavirus. This structure must contain at least:  
 Adequate artificial or natural lighting;

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Adequate ventilation;  
Should be able to accommodate 4 employees while 2 metres social distancing is maintained.  
Adequate seating for the number of persons to be isolated.  
Protection from the elements; wind, rain, sun, dust, etc.

The entrance to each store container, office or similar structure must contain a Handsfree sanitising station.

Laydown areas must be adequately barricaded using barrier netting of at least 1 metre in height fixed onto timbers poles or 50mm droppers. Danger Tape will not be allowed to be used as a barricade.

The Principal Contractor must erect, separate from the contract sign board, at least 3 No construction sign boards. These sign boards must be constructed from sheet metal fixed on metal frames and be at least 1200 x 600mm in size. The sign boards must be fixed using clamps on a minimum of 100-125mm x 3,6 metre CCA treated gum poles. The poles must be inserted at least 800mm into the ground and the sign board must have a clearance of at least 2,2 metres from the ground. The sign boards must be erected at least at the following points:  
One at the entrance to the site camp  
Two upon approaching the construction site (one from each side where construction work with high-risk activities is actively taking place).

The construction sign board must display the PPE required on site as well as the hazards to be encountered while on site. The sign board must also include "No Unauthorised Entry", Visitors Report to Site Office" & "Danger – Construction Work in Progress". In addition to the above, the contractor must erect a sign board to display the Site-Specific Construction Work Permit. This board must contain the following information in at least 100 mm size alphanumerical:

The Department of Employment & Labour Logo  
The Contractor's Company Name & Logo  
The Construction Health & Safety Agent's full name & Company Logo  
The Contract Name & Number  
The Site-Specific Construction Work Permit Number

The Principal Contractor must make provisions for the set-up of an office container, stores container, portable drinking water, sufficient number of toilets for each gender as well as firefighting (4,5 Kg or larger Fire Extinguishers) & first-aid equipment (Minimum requirements as per Annexure of the General Safety Regulations, 2003) within the site camp.

Where a truck mounted crane is used to place the containers, the operator must be trained by an accredited training service provider on the SAQA Unit Standard 242978: Operate truck mounted cranes. The truck must be parked on level and stable ground and have suitable timber sole plates placed underneath the outriggers. All lifting gear / tackle must be inspected, used and maintained by a competent person who has been trained by an accredited training service provider on the SAQA Unit Standard 253575: Inspect, use and care for manual lifting equipment and tackle. No person must walk or stand under elevated loads. All lifting operations must be carried out under the control of a competent banksman. Guide ropes must be used when maneuvering containers into position.

Where the Principal Contractor requires electricity to the site camp, the electrical installation must be done by a registered electrical contractor who must issue a Certificate of Compliance (COC) in the form of Annexure 1 of the Electrical Installations Regulation of 2015, after the installation is completed. This installation must be inspected by a competent person at least weekly in terms of Regulation 24 (d) of the Construction Regulations of 2014 and the results of such inspections recorded in a register provided for that purpose. All electrical installations must comply with the Electrical Installations Regulation of 2015.

The site camp must be controlled by means of lockable gates as well as the placement of security personnel. The security must be trained on the use of the fire extinguisher and be provided with a list of emergency contact details, suitable shelter, welfare facilities and flashlight. The site camp is to be locked and remain secured after hours. No fuel, loose tools or equipment must be left unattended, these must be locked away in suitable storage facilities. All persons entering the site must undergo a site-specific induction.

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All mobile plant which is parked at the site camp must have chock blocks and their blades, buckets and booms fully lowered when parked. Drip trays must be placed under the engine compartment of each construction vehicle or mobile plant to contain any oil or fuel spills.

The Principal Contractor must ensure that sufficient bins are provided for the safe disposal of waste generated from the construction activities. All waste to be removed off site at least weekly and disposed of at a registered landfill site. Receipts must be obtained as proof of disposal.

A suitable bin must be placed within the site camp to contain all hazardous waste including a spill and clean up kit which must be readily available should a spillage occur. Before the bin reaches its capacity, the hazardous waste must be disposed of at a registered hazardous waste facility.

A suitable bin must be placed within the site camp to contain all bio-hazardous waste (Used COVID-19 PPE, etc). Before the bin reaches its capacity, the Bio-hazardous waste must be disposed of at a registered bio-hazardous waste facility.

#### Proving & Relocation of Existing Services.

The Principal Contractor must obtain a copy of the updated services layout drawings from the local municipality which must be used as a guide for the proving of underground services. All identified services must be clearly identified and barricaded once located. Extreme care must be taken in order not to damage any of the existing services. The location and type of existing services must be communicated to all site personnel. Photos must be taken and the excavation must be backfilled as soon as is reasonably practicable. Once backfilled, timber markers can be used to indicate the type, depth and direction of the services that were proved. These will be supported by the photographic evidence. The relocation of the services must be done by the local municipality or with instruction of the engineers by competent sub-contractor or persons appointed by the Principal Contractor. Where there is a possibility of underground electrical cables, the Principal Contractor must use a cable detector to correctly identify the location and direction of these cables before excavating. All hand tools must be visually inspected by the operator / employees using the tools before each use. All defective tools must be brought to the immediate attention of the Construction Supervisor who must action these without delay. No defective tools must be used on site. All defective tools must be immediately removed from site.

#### Clearing & Grubbing

The Principal Contractor must ensure that the clearing and grubbing is done in accordance with the client's specification. All material to be spoiled at a suitable spoil site. Topsoil to be stored on site for future use and maintained during the construction phase. Stockpiles must not exceed two metres in height and be kept weed free. The Principal Contractor must ensure that dust is kept to a minimum during the construction phase. All construction vehicles must be operated in accordance with Regulation 23 of the Construction Regulations of 2014. A water tanker must be used to suppress dust on the construction site including all haul routes used for construction purposes.

#### Excavation Work

The Principal Contractor must ensure that all excavation work is carried out under the supervision of a competent person who must be appointed in writing. This person must be trained by an accredited training service provider on at least the SAQA Unit Standard 365183: Implement safety procedures for open hole or deep excavations. All areas where excavation work is to be carried out must be adequately barricaded prior to excavation work being carried out. This must be done at a safe distance in order not to interfere with the excavation work. At the end of the shift the barricading must be placed as close to the edge of the excavation as possible. All excavation work must be carried out in accordance with Regulation 13 of the Construction Regulations of 2014. The Principal Contractor must ensure that adequate provisions are made at tender stage for the cost of implementing these controls.

#### Installation of Pipelines

The Principal Contractor must ensure that all pipes are laid in accordance with the client's specifications. All pipes to be stacked on level ground with suitable chocks to prevent them from rolling. Half-filled sandbags can be used as chocks. All pipe stacks must be suitably barricaded using a fence to prevent the public from accessing them. All lifting equipment & tackle used for lifting of pipes must comply with Regulation 18 (5) of the Driven Machinery Regulations of

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2015. Guide ropes must be used to manoeuvre pipes into position. All persons installing the pipelines must be trained on the Safe Work Procedures for pipelaying.

#### Occupational Health & Safety Act, 85 of 1993

##### Section 7 – Health & Safety Policy

The Principal Contractor must prepare a written policy concerning the protection of the Health & Safety of his employees at work, including the description of his organisation and the arrangements for carrying out and reviewing that policy. This policy must be signed by the Principal Contractor's CEO and prominently displayed at the site camp where it will be accessible to all employees. This policy must be communicated to all his employees during the start-up of a project and whenever the policy is amended. All contractors & their sub-contractors must have their own health & safety policies. Additional Policies must include:

Environmental;  
HIV & Aids;  
Substance Abuse;  
Smoking;  
Sexual Harassment;  
COVID-19.

All policies must be communicated to the employees prior to commencement of work on site

##### Section 8 – Scope of Authority

In terms of Section 8 (2) (j) of the OHS Act, every employee must be made aware of his/her scope of authority. This is a document similar to an appointment where the employee's scope of authority is clearly defined, i.e, what he/she is / is not allowed to do on site.

##### Section 16 – CEO & Contracts Manager

The CEO will accept overall responsibility for health & safety in the organisation in terms of Section 16 (1). The appointment of the CEO must be done in writing and may include a board resolution. Where the CEO cannot directly oversee the project, he / she may appoint a Contracts Manager to accept responsibility for health & safety on all sites allocated to him or her in terms of Section 16 (2). The Contracts Manager must have at least a National Diploma in Civil Engineering with at least 5 years' experience in a management position. Where the Contracts Manager does not have a diploma, he/she must be registered and in good standing with the SACPCMP as a Construction Project Manager. All contractors & their sub-contractors must also appoint CEOs & Contracts Managers.

##### Section 17 – Health & Safety Representatives

The employees or employee representatives must nominate suitable candidates as SHE representatives on the project. The SHE representative must not be in a supervisory or management position. The Principal Contractor must train and appoint in writing 1 SHE representative for every 50 employees or part thereof in terms of Section 17 (1). The SHE representative must attend formal training on the SAQA Unit Standard: 259622, which must be conducted by an accredited training service provider who is registered with the Department of Employment & Labour (DEL) and the respective training authority (HWSETA, CETA, etc). The SHE representative must be a full-time employee and must be familiar with the Principal Contractor's scope of work. The SHE representative must carry out regular inspections on site while performing normal duties at work. The SHE representative shall participate in incident investigations and will form part of the health & safety committee. Each contractor & their sub-contractors must also appoint competent SHE representatives on the project irrespective of the number of employees on site.

##### Section 19 – Health & Safety Committees

The Principal Contractor must appoint a management representative in writing as a SHE committee member to attend health & safety committee meetings in terms of Section 19 (3). Where there are more than one SHE representatives, the Principal Contractor shall hold at least monthly SHE committee meetings. The number of management representatives shall not exceed that of the number of SHE representatives. All SHE representatives must attend the monthly SHE committee meetings. All contractors & their sub-contractors must also appoint SHE committee members

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on the project irrespective of the number of employees on site. The Construction Health & Safety Officer must be appointed as the Chairman of the SHE Committee.

#### Section 24 – Report to Inspector Regarding Certain Incidents

The Principal Contractor must immediately report all incidents in relation to Section 24 of the Occupational Health & Safety Act, 85 of 1993, to the provisional director, Client, Client's Health & Safety Agent and the project managers. All contractors & their sub-contractors must also report these incidents to the Principal contractor who will in turn report these to the necessary authorities.

#### Section 37 – Acts or omissions by employees or mandataries

The client will engage in a mandatory agreement with the Principal Contractor to ensure that all aspects of health & safety are included within the Principal Contractor's scope of work and the agreement relieves the employer of any civil liability whenever an employee does or omits to do any act which it would be an offence, in terms of the OHS Act, for the employer of such employee. This agreement shall be in writing, signed by both parties in terms of Section 37 (2) and must be in place prior to being appointed in writing. Where the Principal Contractor appoints contractors, there also needs to be a Section 37 (2) agreement as the contractor is an employer in his own right. The same applies to contractors and their sub-contractors.

#### General Administrative Regulations, 2003

##### Regulation 4 – Copy of the Act

The Principal Contractor must have a copy of the latest version (22nd Edition booklet) of the Occupational Health & Safety Act, 85 of 1993 and Regulations, COID Act, 130 of 1993 and the amended Disaster Management Act which incorporates the COVID-19 Regulations. These must be readily available at the site office for use by the Principal Contractor and inspection by employees, client and Department of Employment & Labour (DEL) inspectors. In addition to the above, the Principal Contractor must prominently display size A1 laminated posters of the following Acts in the workplace which must be accessible to all employees:  
Occupational Health & Safety Act, 85 of 1993;  
Employment Equity Act, 55 of 1998, and  
Basic Conditions of Employment Act, 75 of 1997.

Note that the above do not apply to the contractors and their sub-contractors.

##### Regulation 9 – Recording & Investigation of Incidents

The Principal Contractor must appoint a competent person in writing as the accident and incident investigator to investigate all incidents on site. The incident investigator must be trained by an accredited training service provider on SAQA Unit Standard 120335: Conduct an investigation into workplace incidents. The reporting of incidents must be done in the form of WCL 1 (Diseases) / WCL 2 (Injuries) and investigated and recorded in the form of Annexure 1. The incidents must be investigated within 7 days by the appointed competent person with the assistance of the health & safety committee. All contractors & their sub-contractors must also appoint competent persons as incident investigators.

#### General Safety Regulations, 2003

##### Regulation 2 – Personal Safety Equipment & Facilities

The Principal Contractor must supply, free of charge, sufficient and suitable PPE to his/her employees for them to carry out their work safely. The Principal Contractor must demonstrate to the employee the safe use, care and limitations of such PPE. The Principal Contractor must keep a record of PPE issued to the employees. The employee must sign a PPE issue register for any PPE which was issued to him or her. In addition to the PPE issue register, the Principal

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Contractor must carry out weekly inspections of the PPE worn by the employees. The Principal Contractor must not permit any employee to commence work if he / she does not have the required PPE. The Principal Contractor must ensure that every reasonable effort has been taken to reduce if not eliminate the health & safety risk to his / her employees. PPE must and will always be the last resort in preventing incidents but must remain a priority. Note that in addition to the above and in terms of the Disaster Management Act, the Principal Contractor and its contractors must issue and maintain in good condition, two washable 3 ply cloth face masks which must cover the nose and mouth. These must be worn at all times while at work or in public during the COVID-19 pandemic. The cloth face masks must be washed daily and ironed before each use.

#### Regulation 2 A – Intoxication

The Principal Contractor must ensure that no employee enters or remains in the workplace if he or she is under the influence of or in possession of intoxicating substances (Alcohol & Drugs). The Principal Contractor shall conduct random drug & alcohol tests to ensure that substance abuse is closely monitored in the workplace. Disciplinary action must be taken to employees who are found to guilty of misconduct due to intoxication. Note that the testing through the use of Breathalyzers is not advised during the COVID-19 pandemic. Smoking of Cannabis is not allowed during working hours. Although Government has allowed this in private, the workplace is considered as a public place and therefore this will not be allowed.

#### Regulation 2 B – Substituted Notices & Signs

The Principal Contractor must display substituted notices and signs around the site which must be clearly visible and comply with the local bylaws. The Signage must include but not limited to the mandatory PPE requirements, First-Aid, Fire Equipment, Excavation Work, Hazardous Substances, Construction Activities and Public Notices including the promoting of Health & Safety awareness.

#### Regulation 2 C – Admittance of Persons

The Principal Contractor must ensure that no unauthorised persons enter or remains in the work area. The Principal Contractor must strategically erect signage at the entrance to the site prohibiting entry. Where the site is on a public space, the Principal Contractor must ensure that adequate measures are in place to prevent unauthorised entry. The following information should also be included:

“No Unauthorised Entry”

“Visitors Report to Site Office”

“Construction Site” & indicate the specific hazards associated with the site.

“Induction to be Obtained Prior to Entry to the Site”

In addition to the above, all visitors must be accompanied by the CHSO / SHE Representative while on site. All visitors must wear at least a reflective vest, closed shoes and hard hat while on site. No visitor will be allowed to perform any task on site.

#### Regulation 3 – First Aid, Emergency Equipment and Procedures

The Principal Contractor must ensure that he / she has a fully stocked first aid kit on site. The first aid kit must contain the minimum contents as per the Annexure contained in this regulation. The Principal Contractor must appoint a trained & competent person as the first aider to attend to all injuries on site and to control the first-aid kit. The training of the first aider must be done by an accredited training provider who is registered with the Department of Employment Labour (DEL) and the respective training authority. The Principal Contractor must display the first aid signs at strategic points on the site to indicate the location as well as the name of the person in charge of the first aid kit.

#### Regulation 4 – Use & Storage of Flammable Liquids

The Principal Contractor must store all flammable liquids in a well-ventilated store which is designed for this purpose. The store must be bunded and be able to contain 110% of the volume of the flammable liquids stored. The flammable liquids must not be stored with combustible material. The store must be clearly marked as to the content and approximate quantity of flammable liquids that are stored. The following signage (290 x 290 mm) must also be

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displayed at the entrance to the store:

“No Smoking”

“No Open Flames”

“Hazardous Chemicals”

“Flammable Store”

Suitable fire-fighting equipment must be placed within 5 metres of the store.

#### Regulation 6 – Work in Elevated Positions

No work at heights must be carried out unless it is done safely from a safe platform or scaffold. Ladders should be used only to gain access and not as a work platform. Only platform ladders are designed to be used as a safe work platform. Persons working at heights must undergo a Working at Heights evaluation during the medicals which will form part of the hazards listed in the Annexure 3. All persons working above 2 metres must wear and attach a safety harness to a suitable lifeline. All persons working at heights must undergo Working at Heights training in accordance with the SAQA Unit Standard 229998: Explain and perform fall arrest techniques when working at height. This must be done by an accredited training service provider who is registered with the Department of Employment Labour (DEL), the respective training authority and the Institute of Working at Heights (IWAH).

#### Regulation 8 – Stacking of Articles

The Principal Contractor must appoint a competent person in writing in accordance with Regulation 8 (1) (a) and to supervise the stacking of articles on site. All stacking and storage must be done safely, and stacks must not exceed three times the base width. Stacks must be wider or at the same size at the bottom than at the top. All storage areas must be adequately cordoned off.

#### Regulation 13 A – Ladders

The Principal Contractor must appoint a competent person in writing to inspect the ladders on a regular basis. The Principal Contractor must ensure that every ladder is constructed of sound material and is suitable for the purpose for which it is used. Ladders should be used only to gain access and not as a work platform. Only platform ladders are designed to be used as a safe work platform. Ladders must not be painted as the paint may hide any cracks on the ladder. If the ladder is constructed from timber, the timber must be free from Knots and the rungs must be let into the styles.

#### Construction Regulations, 2014

#### Regulation 3 – Construction Work Permit

This is required where the contract value exceeds R 60 000 000-00 or the project duration exceeds 12 months / 3600 person days. The Client together with its appointed Construction Health & Safety Agent (CHSA) will apply for a Construction Work Permit (CWP) to the Department of Employment Labour (DEL) in the form of Annexure 1 of the Construction Regulations of 2014. The Principal Contractor must furnish the Client's CHSA with the relevant documentation for the application of the CWP. Once all the required information is received, the application will be submitted to the Department of Employment Labour (DEL) & Employment (DEL). A period of 30 days must be allowed for the receipt of the CWP from the DEL. No work must commence on site without the receipt of the CWP. The Principal Contractor must take this into account upon award of the contract and the Principal Contractor or his/her contractors cannot claim against the client or their agents for standing time due to any delays in obtaining the CWP. The CWP must be inserted into the health & safety file on site.

#### Regulation 4 – Notification of Construction Work

This is required where the contract value is under R 60 000 000-00 or the project duration is less than 12 months / 3600 person days. The Principal Contractor must, prior to commencing with any work, notify the provincial director of the Department of Employment Labour (DEL) & Employment (DEL), at least 7 days before, in the form of Annexure 2

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of its intention to commence with construction work.  
Note that the above do not apply to the contractors and their sub-contractors.

#### Regulation 5 – Duties of Client

The Client will –

- (g) ensure that potential principal contractors submitting tenders have made adequate provision for the cost of health and safety measures;
- (h) ensure that the principal contractor to be appointed has the necessary competencies and resources to carry out the construction work safely;
- (i) take reasonable steps to ensure co-operation between all contractors appointed by the client to enable each of those contractors to comply with these Regulations;
- (j) ensure before any work commences on a site that every principal contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act, 1993 (Act No. 130 of 1993);
- (k) appoint every principal contractor in writing for the project or part thereof on the construction site;
- (l) discuss and negotiate with the principal contractor the contents of the principal contractor's health and safety plan contemplated in regulation 7(1), and must thereafter finally approve that plan for implementation;
- (m) ensure that a copy of the principal contractor's health and safety plan is available on request to an employee, inspector or contractor;
- (n) take reasonable steps to ensure that each contractor's health and safety plan contemplated in regulation 7(1)(a) is implemented and maintained;
- (o) ensure that periodic health and safety audits and document verification are conducted at intervals mutually agreed upon between the principal contractor and any contractor, but at least once every 30 days;
- (p) ensure that a copy of the health and safety audit report contemplated in paragraph
- (o) is provided to the principal contractor within seven days after the audit;
- (q) stop any contractor from executing a construction activity which poses a threat to the health and safety of persons which is not in accordance with the client's health and safety specifications and the principal contractor's health and safety plan for the site;
- (r) where changes are brought about to the design or construction work, make sufficient health and safety information and appropriate resources available to the principal contractor to execute the work safely; and
- (s) ensure that the health and safety file contemplated in regulation 7(1)(b) is kept and maintained by the principal contractor.

In accordance with Regulations, the Contractor shall liaise closely with the Employer or the Engineer on behalf of the Employer, to ensure that all requirements of the Act and the Regulations are met and complied with.

#### Regulation 7 – Duties of the Principal Contractor & Contractor

The Principal Contractor must provide and demonstrate to the client a suitable, sufficiently documented and coherent site-specific health and safety plan, based on the client's documented health and safety specifications. The plan must be submitted to the client / client's agent for approval at least 2 weeks prior to commencing work on site. Work may only commence once the plan has been approved. This plan must be implemented, reviewed and updated as the work progresses.

The Principal Contractor must provide a comprehensive health and safety file for review to the client / agent at least 2 weeks prior to commencement with work on site. The file will be audited by the client's Construction Health & Safety Agent prior to commencement with work on site. Once the file has been reviewed, the Principal contractor must address all outstanding items prior to commencement with work. The Principal Contractor may only commence work if the outstanding items have been addressed and written approval is granted by the Client's Health & Safety Agent to commence with work on site. This health & safety file must be updated by the Principal contractor and must remain on site at all times. On completion of the project, the contractor must consolidate the health and safety file including that of the contractors and their sub-contractors and submit them to the Client's Health & Safety Agent.

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Where contractors are used, each contractor must provide his/her own safety file which must be audited at least monthly by the Principal Contractor. The Principal Contractor must provide potential contractors, who are tendering for any work to be performed on site (including that of the plant hire companies), with the relevant sections of the client's health & safety specifications.

The Principal Contractor must ensure that the contractors have the necessary competencies, resources and made adequate provision in their tendered rates to carry the work out safely.

The Principal Contractor and contractor must enter into a health & safety agreement in terms of Section 37 (2) of the OHS Act and the Principal Contractor must appoint each contractor in writing for part of the project in terms of Regulation 7 (1) (c) (v) of the Construction Regulations, 2014. The Principal Contractor must have a comprehensive and updated list of all his contractors on site.

The Principal Contractor must ensure that the contractors are in Good Standing with the Compensation Commissioner in terms Section 89 of the COID Act, 130 of 1993.

The Principal Contractor must audit the contractors at least monthly. The contractors must submit a close out report with supporting documents, within 7 days, for addressing outstanding items.

The Principal Contractor must ensure that where changes are brought about, sufficient health & safety information, including the necessary resources to carry out the work safely, is provided to the contractor.

The Contractor must provide and demonstrate to the Principal Contractor a suitable, sufficiently documented and coherent site-specific health and safety plan, based on the client's documented health and safety specifications. The plan must be submitted to the Principal Contractor for approval. Work may only commence once the plan has been approved by the Principal Contractor. This plan must be applied, reviewed and updated as the work progresses.

The Contractor must provide a comprehensive health and safety file for review to the Principal Contractor. The file will be audited by the Principal Contractor prior to commencement with work on site. Once the file has been reviewed, the contractor must address all outstanding items prior to commencement with work. The contractor may only commence work if the outstanding items have been addressed. This health & safety file must be updated by the contractor and must remain on site at all times. On completion of the project, the contractor must consolidate the health and safety file including that of his or her sub-contractors and submit it to the Principal Contractor.

Where the contractor appoints sub-contractors, the same requirements apply to the contractor as if he/she were the Principal Contractor.

The Principal Contractor must ensure that all his employees, including that of his / her contractors, have a medical certificate of fitness, for the type of work to be performed, issued by an Occupational Health Practitioner in the form of Annexure 3 and must include a general examination with the following test results, Blood Pressure, Snellen's Vision (20/20 Test), Spirometry (Lung Function – Not done during COVID-19 pandemic) and Audiometry (Hearing Test). If employees are working at fall risk positions, then a 'Working at Heights' evaluation must be done.

The Principal Contractor must ensure that all his employees, including that of his / her contractors, have undergone induction training pertaining to the hazards prevalent site at the time of entry. The induction must be conducted by the Principal Contractor's appointed Construction Health & Safety Officer prior to entering the site.

The Principal Contractor must ensure that all visitors undergo an induction pertaining to the hazards prevalent on the site and that such visitors have the necessary PPE prior to entering the site. The PPE must include but not limited to: Overalls, Hard Hats, Reflective Vests, Steel Toe Capped or similar approved Safety Boots and during the COVID-19 pandemic, 2 washable 3-ply cloth face masks.

The Principal Contractor must ensure that adequate provisions are made at tender stage for the cost of implementing these controls.

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## Regulation 8 – Management & Supervision of Construction Work

The Principal Contractor must in writing appoint one full-time competent person as the construction manager with the duty of managing all the construction work on a single site, including the duty of ensuring occupational health and safety compliance, and in the absence of the construction manager an alternate must be appointed in terms of Regulation 8 (1). The Alternate Manager must be at the same management level if not higher to manage the construction site. The construction manager cannot manage any other site other than the single site for which he has been appointed. The construction manager must have at least a national diploma in civil engineering with a post graduate experience of five years. Where the Construction Manager does not have a diploma, he/she must be registered and in good standing with the SACPCMP as a Construction Manager.

The Principal Contractor must in writing appoint one or more assistant construction managers for different sections thereof in terms of Regulation 8 (2): Provided that the designation of any such person does not relieve the construction manager of any personal accountability for failing in his or her management duties. The assistant construction manager cannot manage any other site other than the single site for which he has been appointed. The construction manager must have at least a national diploma in civil engineering.

Due to the nature of the work, the degree of danger likely to be encountered and the accumulation of hazards or risk on the site, the Principal Contractor must in writing appoint one full-time Construction Health & Safety Officer to assist in the control of all health and safety related aspects on the site, in terms of Regulation 8 (5). The Construction Health & Safety Officer must be registered and in good standing with the South African Council for the Project & Construction Management Professions (SACPCMP). Each contractor must appoint his / her Construction Health & Safety Officer who must be registered and in good standing with the SACPCMP. The contractors' Construction Health & Safety Officer must conduct at least weekly site visits and submit weekly reports on the findings on the contractor's construction site. The contractor may appoint a consultant who must be registered and in good standing with the SACPCMP to oversee the health and safety on site who must perform the same duties as a part time Construction Health & Safety Officer.

The Principal Contractor must in writing appoint construction supervisors responsible for construction activities and ensuring occupational health and safety compliance on the construction site in terms of Regulation 8 (7). The construction supervisor cannot supervise any other site other than the single site for which he has been appointed. The construction supervisor must have at least five years' experience supervising construction activities on site.

The Principal Contractor must in writing appoint one or more competent employees for different sections thereof to assist the construction supervisor contemplated in subregulation (7), and every such employee has, to the extent clearly defined by the contractor in the letter of appointment, the same duties as the construction supervisor in terms of Regulation 8 (8): Provided that the designation of any such employee does not relieve the construction supervisor of any personal accountability for failing in his or her supervisory duties. The assistant construction supervisor cannot supervise any other site other than the single site for which he has been appointed. The assistant construction supervisor must have at least two years' work experience in his specific task in order to supervise employees. The Principal Contractor must ensure that adequate provisions are made at tender stage for the cost of implementing these controls

## Regulation 9 – Risk Assessment for Construction Work

The Principal Contractor must in writing appoint a competent person as a Risk Assessor to draw up risk assessments for the project in terms of Regulation 9 (1). The Risk Assessor must be trained on Hazard Identification & Risk Assessment (HIRA) on the SAQA Unit Standard 244383 by an accredited training service provider who is registered with the Department of Employment Labour (DEL) and the respective training authority.

The Risk Assessment must cover all activities performed by the Principal Contractor in site and must be based on the method statements as per the scope of work in the letter of award. The Risk Assessments must contain a Risk Matrix, a Monitoring Plan and a Review Plan. The Risk Assessments must include control measures and safe work procedures to reduce if not eliminate the risk or hazard. The Risk Assessments must be numbered and used as the Guideline for conducting Daily Safe Task Instructions (DSTIs).

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Daily Safe Task Instructions (DSTIs) must be conducted at the start of each shift for each activity by the immediate supervisor and signed off by the Construction Health & Safety Officer (CHSO). The information contained in the DSTIs must be used to determine whether the Risk Assessments adequately address all the hazards and risks on site. The Risk Assessments should be reviewed at least annually, when an incident has occurred, when there is a change in the scope of work or when there is a change in the design which may affect the health & safety of persons.

The Risk Assessments must be communicated to all site personnel involved with the activities for which the Risk Assessment has been done, prior to commencement with that particular activity on site.

All Risk Assessments must be carried out in accordance with Regulation 9 of the Construction Regulations, 2014.

#### Regulation 10 – Fall Protection

The Principal Contractor must in writing appoint a competent person as the Fall Protection Plan Developer when work is to be carried out at an elevated position. The Fall Protection Plan Developer must be trained by an accredited training service provider who is registered with the Department of Employment Labour (DEL) and the respective training authority. The training service provider must also be registered with the Institute of Working at Heights (IWAH). The Fall Protection Plan Developer must be trained on both Unit Standards 229994 and 229998.

The Principal Contractor must in writing appoint a competent person as the safety harness inspector to inspect all safety harnesses. This person must be trained on at least the SAQA Unit Standard 229998.

The Principal Contractor must draw up, implement, maintain and amend where necessary, a Fall Protection Plan for all work to be carried out at an elevated position.

The Fall Protection plan must cover:

A risk assessment for work at a fall risk position and the methods and procedures to address such risk;

A process to evaluate the medical fitness of employees who work at a fall risk position;

A programme for the training of employees working from a fall risk position and the records thereof;

the procedure addressing the inspection, testing and maintenance of all fall protection equipment; and

a rescue plan detailing the necessary procedure, personnel and suitable equipment required to effect a rescue of a person in the event of a fall incident to ensure that the rescue procedure is implemented immediately following the incident.

The Principal Contractor must ensure that the construction manager appointed under regulation 8 (1) is in possession of the most recently updated version of the fall protection plan.

All work carried out at a fall risk position must comply with Regulation 10 of the Construction Regulations, 2014.

The Principal Contractor must ensure that adequate provisions are made at tender stage for the cost of implementing these controls.

#### Regulation 11 – Structures

The Principal Contractor must ensure where there are new or existing structures within the work zone, Regulation 11 of the Construction Regulations of 2014, must be complied with.

#### Regulation 12 – Temporary Works

The Principal Contractor must appoint a temporary works designer in writing to design, inspect and approve the erected temporary works on site before use. The designer must have at least a National Diploma in Structural Engineering and be registered as a professional engineer with the Engineering Council of South Africa (ECSA).

The Principal Contractor must ensure that all temporary works operations are carried out under the supervision of a competent person who has been appointed in writing for that purpose. The temporary works supervisor and the erectors must be appointed in writing and trained by the temporary works supplier / manufacturer on the safe installation of the temporary works. The temporary works must thereafter be inspected by a competent person, prior to

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placement of concrete, during placement of concrete and after placement of concrete. The temporary works inspector must thereafter conduct daily inspections on the temporary works until the temporary works is removed. All authorisations must be in writing and must be done by the appointed persons.

All temporary works must comply with the requirements of Regulation 12 of the Construction Regulations, 2014. The Principal Contractor must ensure that adequate provisions are made at tender stage for the cost of implementing these controls.

#### Regulation 13 – Excavation Work

The Principal Contractor must in writing appoint a competent person as the excavation work supervisor & inspector. The excavation work supervisor & inspector must be trained on at least the SAQA Unit Standard 365183: Implement safety procedures for open hole or deep excavations by an accredited training service provider who is registered with the Department of Employment Labour (DEL) and the respective training authority.

All excavation work must be carried out under the constant supervision of the appointed excavation work supervisor. The excavation work supervisor must be able to evaluate the stability of the ground before excavation work begins. The excavation work supervisor must inspect the excavation prior to entry of any employees. All excavations deeper than 1,2 metres must be shaped to the maximum angle of repose relative to the horizontal plane.

All excavations up to 2 metres must be barricaded at least 1 metre away from the edge with barrier netting at a minimum height of 900mm. No danger tape to be used for barricading. All excavations deeper than 2 metres must be barricaded with a barrier in the form of hand and intermediate rails with barrier netting attached to it or Bonnox type fencing on posts with the barrier netting attached to it. Excavations along public roads that are deeper than 1,2 metres must be barricaded by means of a solid concrete barrier with delineators. Excavations along public roads that are less than 1,2 metres but deeper than 0,5 metres must be barricaded by means of a plastic new jersey barrier with delineators. Excavations along public roads that are less than 0,5 metres but above 150 millimetres must be barricaded by means of a barrier netting with delineators. Excavations along public roads that are less than 150 millimetres must be cordoned off by means of delineators.

All excavations deeper than 1,2 metres must be accessed by means of a ladder which is placed within 6 metres of the employees working inside and must extend at least 900mm above the top of the landing or natural ground level. All excavated material must be placed at least 1 metre away from the edge of the excavation. No mobile plant must come within 1 metre from the top edge of the excavation or within 2 metres when employees are working inside.

Warning signs must be displayed at strategic points on approaching the work site, indicating the presence of deep excavations "CAUTION" "DEEP EXCAVATION".

All employees working in excavations deeper than 1,2 metres must wear hard hats.

All excavation work must comply with Regulation 13 of the Construction Regulations, 2014. The Principal Contractor must ensure that adequate provisions are made at tender stage for the cost of implementing these controls.

#### Regulation 14 – Demolition Work

The Principal Contractor must appoint a competent person in writing to supervise and control all demolition work on site. The demolition work supervisor must have at least five years' experience in demolition work and must be trained on Unit Standard 115457 – Conduct basic demolition tasks.

All demolition work must comply with Regulation 14 of the Construction Regulations, 2014.

#### Regulation 16 – Scaffolding

The Principal Contractor must appoint a competent person in writing as the scaffolding supervisor who must ensure

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that all scaffolding work operations are carried out under his or her constant supervision. The scaffolding work supervisor must be trained on the Unit Standard 263224: Supervise the erection and dismantling of access scaffolding, by an accredited training service provider who is registered with the Department of Employment Labour (DEL) and the respective training authority.

The Principal Contractor must appoint competent persons in writing as scaffold erectors for erecting the scaffold. The scaffolding work erectors must be trained on the Unit Standard 263245: Erect, use and dismantle access scaffolding, by an accredited training service provider who is registered with the Department of Employment Labour (DEL) and the respective training authority.

The Principal Contractor must appoint a competent person in writing as an inspector to inspect the scaffolding once erected, weekly, after rain, alteration or damage to supports. The scaffolding work inspector must be trained on the Unit Standard 263205: Inspect access scaffolding, by an accredited training service provider who is registered with the Department of Employment Labour (DEL) and the respective training authority.

No work must be carried out on scaffolding during rain or when wind speeds exceed 45kph. Scaffolding must only be accessed through a staircase designed for that purpose.

All scaffolds must comply with SANS 10085 with regards to the design, erection, use and inspection of access scaffolding.

#### Regulation 23 – Construction vehicles and mobile plant

The Principal Contractor must appoint a competent person in writing as a Construction Vehicles and Mobile Plant Supervisor to ensure that the said regulations are complied with.

The Principal Contractor must ensure that all construction vehicles and mobile plant-

(a) are of an acceptable design and construction;

(b) are maintained in a good working order;

are used in accordance with their design and the intention for which they were designed, having due regard to safety and health;

are operated by a person who-

has received appropriate training, is certified competent and in possession of proof of competency and is authorised in writing to operate those construction vehicles and mobile plant;

has a medical certificate of fitness to operate those construction vehicles and mobile plant, issued by an occupational health practitioner in the form of Annexure 3.;

are inspected by the authorised operator or driver on a daily basis using a relevant checklist prior to use and that the findings of such inspection are recorded in a register kept in the construction vehicle or mobile plant.

No person will be allowed to be transported in a construction vehicle or mobile plant. Vehicles used to transport employees must be designed for the purpose that it is intended. Where tools & equipment are transported

The Principal Contractor must provide drip trays to be placed under the engine compartment when the mobile plant is parked for more than 3 hours. All Construction Vehicles and Mobile Plant must have a suitable fire extinguisher, visible strobe light and acoustic reverse buzzer that is automatically activated when the Construction Vehicles and Mobile Plant engages in reverse.

All plant hire companies must be appointed in writing in terms of Regulation 7 (1) (c) (v) of the Construction Regulations, 2014, sign the OHS Act, Section 37 (2) agreement and provide a valid Letter of Good Standing with the Compensation Commissioner.

All construction vehicle and mobile plant operators must be trained on the relevant SAQA aligned Unit standard as per the list below by an accredited training service provider who is registered with the Department of Employment Labour

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(DEL) and the Transport Education & Training Authority (TETA).

The Principal Contractor must comply with Regulation 23 of the Construction Regulations, 2014 when using construction vehicles and mobile plant.

#### Regulation 24 - Electrical Installations and Machinery on Construction Sites.

If the Principal Contractor intends on installing a temporary electrical supply, the installation must be done by a qualified registered electrician who will be able to issue a Certificate of Compliance (COC). The Principal Contractor must appoint the electrician in writing in terms of Regulation 24 (c) & (d).

The temporary electrical supply must be inspected by a competent person at least weekly.

The Principal Contractor must appoint a competent person in writing as the electrical machinery inspector in terms of Regulation 24 (e).

All portable electrical tools must be inspected daily by the authorised inspector.

The Principal Contractor must ensure that all electrical installations and machinery on the construction site complies with Regulation 24 of the Construction Regulations, 2014.

#### Regulation 25 – Use and Temporary Storage of Flammable Liquids on Construction Sites

The Principal Contractor must, in addition to compliance with the provisions for the use and storage of flammable liquids in the General Safety Regulations, 2003, ensure that Regulation 25 is complied with when using and storing flammable liquids on site. All flammables must be stored in a suitable flammable store which is lockable, well ventilated, bunded to contain 110% of the volume of flammables stored and have a suitable fire extinguisher placed at least 5 metres from the flammable store.

#### Regulation 26 – Water environments

The Principal Contractor must ensure that where construction work is done over or in close proximity to water, provision is made for-  
preventing persons from falling into water by providing hand and intermediate rails or a similar barrier; and  
(b) the rescuing of persons in danger of drowning by providing a floatation device attached to a rope of suitable strength and length, a person who is able to swim with ease and rescue another person and a person trained in resuscitation, preferably a first-aider.

The Principal Contractor must ensure that where a person is exposed to the risk of drowning by falling into the water, the person is provided with and wears a lifejacket.

#### Regulation 27 – Housekeeping and General Safeguarding on Construction Sites

The Principal Contractor must appoint a competent person in writing as the housekeeping supervisor to ensure that good housekeeping is maintained at all times on site.

The Principal Contractor must provide adequate and suitable bins to separate and contain waste on site. This must be disposed of at registered landfill sites at least weekly.

The Principal Contractor must ensure that Regulation 27 or the Construction Regulations is complied with regards to housekeeping and general safeguarding on construction sites.

#### Regulation 28 – Stacking and Storage on Construction Sites

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The Principal Contractor must, in addition to compliance with the provisions for the stacking of articles in the General Safety Regulations, 2003, ensure that Regulation 28 of the Construction Regulations, 2014 is complied with regards to stacking and storage on construction sites.

#### Regulation 29 – Fire Precautions on Construction Sites

The Principal Contractor must appoint a competent person in writing as the Emergency Co-ordinator / Controller in case of a fire.

The Principal Contractor must provide sufficient and suitable firefighting equipment near flammables within 5 metres of any generator or similar equipment, near portable electrical tools and in all construction vehicles and mobile plant.

The Principal Contractor must appoint a competent person in writing as the fire equipment inspector in terms of Regulation 29 (h). The fire equipment inspector must be trained by an accredited training service provider who is registered with the Department of Employment Labour (DEL) and the respective training authority.

An adequate number of employees must be appointed as the fire team who must be trained on the PASS sequence by the trained Fire Equipment Inspector on site.

The Principal Contractor must ensure that adequate precautions are taken to prevent the risks of a fire and comply with Regulation 29 of the Construction Regulation, 2014.

#### Regulation 30 - Construction Employees' Facilities

The Principal Contractor must appoint a competent person in writing as the facilities inspector to ensure that all the employees' facilities on site are maintained in a clean and hygienic condition.

The Principal Contractor must, in addition to the construction site provisions in the Facilities Regulations, 2004, provide at or within reasonable access of the construction site, the following clean, hygienic and maintained facilities:

Shower facilities after consultation with the employees or employees' representatives, or at least one shower facility for every 15 persons;

at least one sanitary facility for each gender and for every 30 workers;

changing facilities for each gender; and (d) sheltered eating areas.

The Principal Contractor must ensure that in addition to Regulation 30 of the Construction Regulations of 2014, the Facilities Regulations, 2004 must also be complied with.

#### Non-compliance with the Construction Regulations, 2014

The foregoing is a summary of parts of the Construction Regulations applicable to all construction projects.

The Contractor, as employer for the execution of the contract, shall ensure that all provisions of the Construction Regulations applicable to the contract under consideration are complied with to the letter.

Should the Contractor fail to comply with the provisions of the Regulations 3 to 30 as listed in Regulation 33, he will be guilty of an offence and will be liable, upon conviction, to the fines or imprisonment as set out in Regulation 33.

The Following Annexure are attached in terms of the Construction Regulation, 2014.

Annexure 1 – Application for a Construction Work Permit

Annexure 3 – Medical Certificate of Fitness

Annexure A – SAQA Unit Standards

Environmental Regulations for Workplaces, 2003

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The Principal Contractor must ensure that the following Regulations are complied with regards to the Environmental Regulations for Workplaces.

#### Regulation 2 – Thermal Requirements

Each employee must be provided with at least 5 litres of clean drinking water per day. The employees must be encouraged to drink at least 500ml of water every hour while at work in summer or when temperatures reach above 25°C.

Regular breaks within reason but avoiding possible delays on the project; and  
Training on of employees Heat Stroke Awareness.

The Principal Contractor must take into consideration the extreme cold temperatures during the winter months and the precautions to be taken during this period to avoid possible hyperthermia, cold sores, etc. These may include but not limited to:

Provision of winter jackets and gloves;  
Running hot water; and  
Training of employees on working in cold temperatures.

While every effort should be made by the employee to keep warm, it must be noted that fires will not be allowed on site.

#### Regulation 3 – Lighting

The Principal Contractor must ensure that there is adequate artificial or natural lighting in all work areas including storerooms and offices. Where night work is performed, the Principal Contractor must make provision for adequate lighting to carry out the work safely. The above Regulation must be used as a guide for the number of lumens that will be required per square metre.

#### Regulation 4 – Windows

The Principal Contractor must ensure that there are adequate windows in each office or room for natural ventilation and lighting.

#### Regulation 5 – Ventilation

The Principal Contractor must ensure that there are adequate artificial or natural ventilation in confined spaces, rooms, storage areas, etc.

#### Regulation 6 – Housekeeping

The Principal Contractor must ensure that good housekeeping is maintained at all times on site and that the Principal Contractor or his/her contractors do not wait until the end of the project to start implementing the housekeeping practices.

#### Regulation 8 – Fire Precautions & Means of Egress

The Principal Contractor and other Contractors must make adequate provisions for the prevention of fires and escape routes should a fire occur. These may include but not limited to:

The provision of a ventilated store with sufficient signage to warn persons of the dangers likely to be encountered and the control measures to be taken. The signage may include but not limited to:

“No Smoking”  
“No Open Flames”  
“No Cell Phones”  
“Flammable Liquids”

#### Facilities Regulation, 2004

The Principal Contractor must ensure that the Facilities Regulations are complied with. These may include but not limited to the provision of clean & hygienic:

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Shower facilities for each gender clearly marked with pictorial signs and cordoned off for privacy. (1 Shower per 15 employees)  
Toilet facilities for each gender clearly marked with pictorial signs and cordoned off for privacy. (1 toilet per 30 employees)  
Clean Drinking water. ( $\pm$  5 Litres per employee per day)  
Eye wash facility. (A portable eyewash bottle can be used)  
Changerooms Facilities for each gender clearly marked with pictorial signs and cordoned off for privacy.  
Lockers to be provided for employees to store their personal belongings.  
Sheltered eating areas free from dust, rain, wind and other natural elements.

#### Hazardous Chemical Substances Regulations, 2008

The Principal Contractor must appoint a competent person in writing for the control of Hazardous Chemical Substances on site.

The Principal Contractor must ensure that there are MSDSs readily available for all Hazardous Chemical Substances on site and that employees are issued with and instructed to wear appropriate PPE when handling the Hazardous Chemical Substances.

The Principal Contractor must ensure that all employees handling the Hazardous Chemical Substances on site are training on the safety precautions and MSDSs.

All Hazardous Chemical Substances on site must be placed on a suitable drip tray or bunded area.

The Principal Contractor must ensure that the Hazardous Chemical Substances Regulations are complied with.

#### Noise-Induced Hearing Loss Regulations, 2003

The Principal Contractor must ensure that adequate provisions are made to reduce the noise on site and to protect the employees who are exposed to the noise on site by providing adequate PPE and training on the use, care and limitations of the prescribed PPE.

The Principal Contractor must monitor those employees who are continuously exposed to high noise levels by means of periodic hearing tests done by an occupational health practitioner.

#### Driven Machinery Regulations, 2015

##### Regulation 18 – Lifting Machines, Hand-Powered Lifting Devices and Lifting Tackle

The Principal Contractor must appoint a competent person in writing to inspect all lifting tackle used on site.

The Principal Contractor must ensure that the Provisions of Regulation 18 of the Driven Machinery Regulations, 2015 are complied with.

#### General Machinery Regulations, 1988

##### Regulation 2 – Supervision of Machinery

The Principal Contractor must ensure that where electrical machinery is used, it is used under the supervision of a competent person who is familiar with such machinery and understands the hazards and risks associated with using the machinery.

##### Regulation 3 – Safeguarding of Machinery

The Principal Contractor must ensure that the machinery is installed, operated and maintained in such a manner that it does not pose a hazard to persons installing, operating or maintaining such machinery.

The Principal Contractor must ensure that all moving parts of the machinery which is within the normal reach of a person is effectively safeguarded by means determined in this regulation.

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The machinery must be maintained in a good working condition and is used properly.

The Principal Contractor must ensure that no safety devices are removed from the machinery.

#### Electrical Installations Regulations, 2009

##### Regulation 6 – Electrical Contractor

The Principal Contractor must ensure that no person may do electrical installation work as an electrical contractor unless that person has been registered as an electrical contractor in terms of these regulations.

##### Regulation 7 – Certificate of Compliance

The Principal Contractor must ensure that the electrical installation done by the electrical contractor must have a Certificate of Compliance in the form of Annexure 1, which shall be accompanied by a test report approved by the chief inspector, in respect of every such electrical installation.

#### Electrical Machinery Regulations, 2011

##### Regulation 10 – Portable Electrical Tools

The Principal Contractor must ensure that the Provisions of Regulation 10 of the Electrical Machinery Regulations, 2011 are complied with regarding Portable Electrical Tools.

#### Health & Safety Awareness

Toolbox talks must be conducted on a weekly basis by the Construction Health & Safety Officer together with the SHE Representative for the area. These must cover site specific hazards and activities currently taking place. All site personnel must attend the toolbox talks including supervisors. Incident recalls must also form part of the toolbox talks.

#### Training & Competency

##### Method Statements

The OHS Act, Section 16 (2) together with the CR 8 (1) must compile Method Statements for each task to be performed on site as per the scope of work. The Method Statements must contain each step to be taken when performing the task and what tools & equipment will be used to execute the work. The Method Statements must be used as the basis for compiling the Risk Assessments.

##### Standard Operating Procedures (SOPs)

All plant, equipment and tools must have Standard Operating Procedures. These are procedures to be followed for the safe operation of such plant, equipment and tools. The manufacturers' operator's manuals can be used as a guide for these procedures. All SOPs must be communicated to the employees operating the specific plant, equipment or tool prior to using such plant, equipment or tool.

##### Safe Work Procedures (SWPs)

All activities which are based on the scope of work must have Safe Work Procedures. The control measures in the Risk Assessments can be used as a guide for compiling the SWPs for each activity. All SWP must be communicated to the employees prior to carrying out the specific task.

##### Planned Task Observations (PTOs)

At least once a week, the Construction Health & Safety Officer together with the SHE Representative for the area must conduct Planned Task Observations on tasks performed on site. The Method Statements, Risk Assessments and Safe Work Procedures can be used as a guideline for carrying out the PTOs.

Where the OHS Act and Regulations refer to a competent person, that person must undergo training on the relevant SAQA Unit Standards.

The Contractor is advised in his own interest to make a careful study of these Specifications and as ignorance of the

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Act and the Regulations will not be accepted in any proceedings related to non-conformance.

The following penalties will be imposed on any organisation that does not comply with the OHS requirements. Project Personnel must all acquaint themselves with the penalties and work in the best interest of their respective organisations.

You will be notified in writing of the non-conformance and penalties owing will be deducted from your payment certificates.

Please use the below as a deterrent as Safety is everyone's responsibility.

MINOR PENALTY-R50.00/count	MEDIUM PENALTY- R500.00/count & non-conformance	SEVERE PENALTY- R5,000.00/count & non- conformance and/or activity stoppage
Non-use of PPE supplied	Failure to address OHS File Review timeously.	NO OHS File provided for review.
Poor use of facilities provided (i.e. eating area, toilet).	No PPE provided. Repetitive non-use of PPE.	Contractor working without Health & Safety Plan approval
	Working without induction, training or the appropriate, approved H&S method statement, SWPs and RA's.	Workers transported in contravention of OHS Plan or legal requirement
	Legal nonconformance identified during the previous audit and not addressed during the agreed time frame	Working with Invalid Letters of good standing
	No monthly OHS report at site meeting to report on	
	No certificate of fitness as required (per person)	
	Working without approved method statement	
	Failure to attend OHS Committee meetings.	Plant/ Plant Operators on site in contravention of CR 23.

Non-completion of registers for equipment on site	Any serious breach of legal requirement.
Tools & equipment identified in poor condition during inspection	

Note that the contributions towards these fines are paid towards a Community Upliftment fund. These funds will be utilized for projects within the community and administered by the Project Managers on behalf of the Client. No payments will be made in cash however the full fund value will be utilized for these projects  
The Contractor is advised in his/her own interest to make a careful study of the Act and the Construction Regulations as ignorance of the Act and the Regulations will not be accepted in any proceedings related to non-conformance to the Act and the Regulations.

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**PB: ENVIRONMENTAL MANAGEMENT PLAN**

**PB.1 PLANS**

Prior to establishment of the site camp(s), the Contractor shall produce a plan showing the positions of all buildings, laydown yards, vehicle wash areas, fuel storage areas, batching areas and other infrastructure for approval by the Engineer.

**PB.2 USE OF LAND**

The Contractor shall not use the land comprising the Works or any land connected to the Works, for any purpose whatsoever other than for the proper carrying out of the Works and shall place any camps that may be required for himself and his/her employees only on sites approved by the Engineer.

No trees or bushes shall be damaged or cut down by the Contractor or by any of his/her employees whether for use in the Works or otherwise without the written consent of the Engineer.

**PB.3 VEGETATION CLEARANCE**

**PB.3.1 Woody vegetation**

**PB.3.1.1** Prior to the start of construction, woody vegetative matter shall, where directed in writing by the Engineer, be stripped. This material shall either be spread randomly throughout the surrounding veld so as to provide biomass for other micro-organisms and habitats for small mammals and birds, or it may be stockpiled for later redistribution over the reinstated topsoiled surface.

**PB.3.1.2** No vegetative matter shall be burnt or removed for firewood.

**PB.3.2 Herbaceous vegetation**

During clearing of woody vegetation, no basal cover or grass and topsoil shall be removed and damage to this layer shall be minimized as far as possible.

**PB.4 PROTECTION OF VEGETATION**

The Contractor shall ensure that all works are undertaken in such a manner that vegetation outside the Works area is not damaged.

**PB.4.1 Vegetation within or adjacent or outside the Works area**

The following provisions shall apply with respect to the protection of areas of vegetation:

**PB.4.1.1** No tree or shrub shall be felled, lopped, cut or pruned without the prior written approval of the Engineer;

**PB.4.1.2** No tree or shrub shall be felled, lopped, cut or pruned until it has been clearly marked for this purpose by the Engineer;

**PB.4.1.3** No tree shall be burned for any reason;

**PB.4.1.4** For every tree protected by these specifications, which is removed or, in the opinion of the Engineer, is unduly damaged by the Contractor, the Contractor shall pay a penalty of R2000,00 per tree to the Employer;

**PB.4.1.5** Trees which have been selected for preservation by the Engineer shall be fenced around their drip

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line. The fence shall be clearly marked with danger tape. No open fires shall be allowed within this fenced area, nor shall vehicles be parked underneath these trees. The area shall also not be used for material storage or as allocation for temporary buildings; and

PB.4.1.6 Where such trees are located within the working width of the pipeline, the pipeline shall be aligned to avoid these trees wherever possible.

#### PB.4.2 Transplantation of rare and endangered plant species

Prior to vegetation clearing, any rare or endangered plant species which have been identified by the Engineer or his/her environmental representative must be removed and transplanted as instructed herein.

##### PB.4.2.1 Transplanting of small trees (1 to 1,5m height) and small shrubs (0,5 to 1m height)

Trees and shrubs shall only be transported between the months of April and September. Deciduous trees and shrubs shall be transplanted only when they are in a leafless condition.

Holes for transplanting trees and shrubs shall be dug before these plants are dug out. Trees shall be planted in holes of 1m x 1m x 1m and shrubs shall be transplanted in holes of 600mm x 600mm x 600mm.

Trees and shrubs shall be planted so that their stems or trunks are at the same depth as in their original location. The orientation of the transplanted plants must be the same as in their original location (i.e. the north-facing side of the plant must remain north-facing after it has been planted.)

Transplanted plants shall be pruned to limit transpiration. Plants shall also be sprayed with an evapotranspiration retardant liquid if they are evergreen.

Transplanted plants shall be watered once a week for 5 weeks and thereafter once every 2 weeks.

##### PB.4.2.2 Transplanting aloes, succulents and bulbous plants

Aloes, succulents and evergreen bulbous plants may be transplanted at any time of the year.

Aloes and bulbous plants shall be planted in similar conditions and to the same depth as they were before they were removed.

Transplanted aloes and bulbs shall be watered once directly after transplanting to settle the soil.

#### PB.4.3 Alien vegetation

The Engineer may instruct the Contractor to remove alien vegetation from the works area for the duration of the construction and maintenance period. Such vegetation will be identified by the Engineer or his/her environmental representative and the method of eradication will be specified by him/her.

The use of topsoil for rehabilitation contaminated with the seed of alien vegetation will not be permitted.

#### PB.5 PROTECTION OF FAUNA

The Contractor shall ensure that all Works are undertaken in such a manner which minimizes the impact on the local fauna and shall apply the following specifications with respect to fauna management and protection:

PB.5.1 Under no circumstances shall any animals be handled, removed, killed or interfered with by the Contractor, his/her subcontractors or his/her subcontractors' employees;

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PB.5.2 The Contractor and his/her employees shall not bring any domestic animals onto the site;

PB.5.3 The contractor shall ensure that the work site is kept clean and tidy and free from rubbish which would attract animal pests;

PB.5.4 There shall be no feeding of animals;

PB.5.5 The Contractor shall ensure that domestic and native animals belonging to the local community shall be kept away and are safe from unprotected works; and

PB.5.6 The Contractor shall advise his/her workers of the penalty associated with the needless destruction of wildlife, as set out in the Animals Protection Act (Act 71 of 1962) sec. 2 (fine of R2 000 and/or 12 months imprisonment).

#### **PB.6 ARCHAEOLOGICAL ARTIFACTS**

PB.6.1 Known archaeological sites shall be indicated by the Engineer and shall be protected by a three strand fence which will be at least 2m outside the extremities of the site. The fence shall be clearly marked with danger tape.

PB.6.2 Should the Contractor expose any archaeological artefacts during excavation, work on the area where the artefacts were found shall cease immediately and the Engineer shall be notified as soon possible.

PB.6.3 Upon receipt of such notification, the Engineer will arrange for the excavation to be examined by an Archaeologist as soon as practicable. Acting upon the advice from the Archaeologist, the Engineer will advise the Contractor of the necessary actions to be taken.

PB.6.4 Under no circumstances shall archaeological artefacts be removed, destroyed or interfered with by the Contractor, his/her employees, his/her subcontractors or his/her subcontractors' employees.

PB.6.5 The Contractor shall ensure that none of his/her employees gain access to any archaeological areas (whether fenced or unfenced), except when authorised to do so by the Engineer.

PB.6.6 The Contractor shall stay strictly within the 20m working width of the Works in order to prevent disturbance of possible grave sites and remnant settlements. Should any work be necessary outside of the working width, then this shall only be done in areas approved by the Engineer.

#### **PB.7 SCENIC QUALITY**

PB.7.1 The Contractor shall not establish or undertake any activities which, in the opinion of the Engineer, are likely to adversely affect the scenic quality of the area. The Engineer may direct the Contractor to refrain from such activities or to take ameliorative actions to reduce the adverse effect of such activities on the scenic quality of the environment.

PB.7.2 No painting or marking of natural features shall be done. Marking for surveying and other purposes shall only be done with pegs and beacons.

PB.7.3 All cut and fill forms shall be rounded at the edges to blend then with the surrounding landforms.

PB.7.4 Where instructed by the Engineer, all packed and exposed rock cuttings shall be treated in order to blend their colour with the colours of the natural weathered rocks of the adjacent environment.

PB.7.5 Where instructed by the Engineer, all concrete structures shall be treated so as to blend in with the colours of the surrounding landscape. This shall be done either through painting or through treatment with a staining or coloration compound. All other permanent structures shall have colours which are chosen to blend in with the dominant colours of the surrounding landscape. Painted surfaces shall be painted with non-reflective (matt) colours.

#### **PB.8 WORKING AREA**

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PB.8.1 The area of construction along any pipeline shall be contained within a 20m working width.

#### PB.9 ACCESS ROADS AND VEHICLE TURNING AREAS

PB.9.1 No new permanent access roads other than those agreed to by the Engineer shall be developed by the Contractor.

PB.9.2 Existing roads shall be used as far as possible for inspection purposes.

PB.9.3 Topsoil shall be stripped as specified prior to construction and reinstated on completion of the use of the road.

PB.9.4 Any temporary access road shall form part of the 20m working width servitude.

PB.9.5 All new temporary access roads shall be approved by the Engineer. No deviation from the approved access roads shall be allowed.

PB.9.6 Horse and trailer vehicles transporting pipes may not turn in areas of cultivated lands but shall turn in areas specifically identified by the Engineer.

#### PB.10 MATERIAL LAYDOWN AREAS

Pipe and materials shall be stored within the pipeline servitudes. Where this is not convenient or in the interests of efficiency, other areas may be designated by the Engineer.

#### PB.11 FIRES

No open fires shall be permitted except in areas specifically prepared and controlled for this purpose.

#### PB.12 FENCING

PB.12.1 Where instructed by the Engineer, fencing shall be erected around sensitive natural or cultural elements to protect them from damage. No pedestrian or vehicular access shall be allowed into such fenced areas.

PB.12.2 In places where temporary fencing is required, the Contractor shall erect such fencing when and where required by the Engineer and re-erect and maintain temporary fencing as necessary. Temporary fencing shall remain in position either until it is replaced by permanent fencing or until completion of the whole of the Works, unless the Contractor requires, or the Engineer directs its earlier removal.

PB.12.3 If any fencing is removed temporarily for the execution of any part of the Works it shall be reinstated as soon as practicable by the Contractor.

PB.12.4 The clearing for permanent fencing shall be limited to the removal of trees and shrubs within 1m of the fence line. Where, possible, the fence line must be aligned to retain trees or groups of trees. There shall be no removal of the grass cover or topsoil within this width.

PB.12.5 Any fences damaged by the Contractor shall be repaired as soon as practicable at his/her cost.

#### PB.13 TOPSOIL

##### PB.13.1 Source of topsoil

Topsoil shall be stripped from all areas that are to be utilized during the construction period and where permanent structures and access is required. These areas will include all areas to be excavated, the pipeline trench route, temporary and permanent access roads, construction camps, laydown areas, pump sites, valve chambers and

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borrow pits. Topsoil shall be stripped after clearing of woody vegetation and before excavation or construction commences.

The topsoil is regarded as the top 150mm of the soil profile, irrespective of the fertility appearance, agricultural potential, structure and composition of the soil.

#### **PB.13.2 Topsoil stripping**

**PB.13.2.1** Soil shall be stripped to the depth indicated in the project specification, or to the depth of the bedrock where soil is shallower than that specified. Herbaceous vegetation, overlying grass and other fine organic matter shall not be removed from the stripped soil.

**PB.13.2.2** No topsoil which has been stripped shall be buried or in any other way be rendered unsuitable for further use by mixing with spoil or by compaction by machinery.

**PB.13.2.3** Topsoil shall preferably be stripped when it is in a dry condition in order to prevent compaction.

#### **PB.13.3 Topsoil stockpiling**

**PB.13.3.1** Stripped topsoil shall be stockpiled on sites adjacent to where it has been stripped which have been approved by the Engineer. Soil stockpiles shall not take the form of windrows, unless this can be placed far enough away from the working area. This is to prevent the soil from being spread out or mixed with the other spoil during construction.

**PB.13.3.2** No vehicles shall be allowed access onto the stockpiles after they have been placed. Topsoil stockpiles shall be clearly demarcated in order to prevent vehicle access and later for identification as being the resource for rehabilitation and vegetation establishment.

**PB.13.3.3** Stockpiles shall not be allowed to become contaminated with oil, diesel, petrol, garbage or any other material which may inhibit the later growth of vegetation in the soil.

#### **PB.13.4 Topsoil placement**

**PB.13.4.1** Topsoil shall be placed to the depth indicated in the project specification over all areas where it has been stripped and over disused borrow pits after construction in those areas has ceased. Topsoil placement shall be done concurrently with construction or as soon as construction in an area has ceased.

**PB.13.4.2** Topsoil shall be placed in the same soil zone from which it has been stripped. However, if there is insufficient topsoil available from a particular soil zone to produce the minimum specified depth, topsoil of similar quality may be bought from other soil zones of similar quality at the approval of the Engineer.

**PB.13.4.3** Topsoil shall be mounded and shaped around manholes and valve chambers which protrude above the ground and over the pipeline to facilitate subsequent consolidation of the backfill. The Contractor shall ensure that stormwater run-off is not channelled alongside the gentle mounding, but is taken diagonally across it.

**PB.13.4.4** Where insufficient topsoil has been stripped by the Contractor to provide the minimum specified depth, the Contractor shall obtain suitable substitute material from other sources at no cost to the employer. The suitability of the substitute material shall be determined by means of a soil analysis which is acceptable to the Engineer or Environmental Officer.

**PB.13.4.5** No vehicles shall be allowed access onto or through topsoil areas after it has been placed.

**PB.13.4.6** After topsoil placement is complete, cleared and stockpiled vegetation matter shall be spread randomly by hand over the topsoiled area as instructed by the Engineer.

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#### **PB.14 BORROW PITS AND QUARRIES**

PB.14.1 If a borrow pit is to be developed or an existing one is to be excavated, all topsoil from the area that is to be quarried must be stripped and stored for later rehabilitation of the pit.

PB.14.2 Stripping and excavation actions shall be progressive in such manner that those parts of the borrow pit or quarry where work is complete can be rehabilitated while other areas are still being quarried.

PB.14.3 Cut slopes of borrow pits and quarries shall have a vertical: horizontal gradient of not steeper than 1:3 (about 18 degrees), and preferably 1:5.

PB.14.4 During excavation, work will be carried out in such a way that slopes of open works are not made dangerously steep.

PB.14.5 Borrow pits shall be used as dump sites for excess rock spoil. On completion of spoiling the pits shall be reshaped and covered with layer of topsoil. On no account may spoil or rock be placed in drainage ways without the prior consent of the Engineer. On sites where old excavations are to be found, rock, waste and mud from new excavations will be used to fill in the old excavations.

PB.14.6 Stormwater cut off drains shall be provided at the top of the cut slope, where identified as necessary by the Engineer, to prevent erosion of the rehabilitated surface of the borrow pit or quarry.

PB.14.7 No borrow pit shall be used as a dump site for refuse material or for toxic material e.g. cement, oil, diesel, rubber and similar materials.

PB.14.8 There will be no workshops, chemical or fuel stores on the borrow pit site.

PB.14.9 Sufficient soil conservation works for preventing soil erosion will be established at the rehabilitated areas.

#### **PB.15 BATCHING**

Concrete shall be mixed only in areas which have been specially demarcated for this purpose. All concrete that is spilled outside these areas, shall be promptly removed by the Contractor and taken to an approved dump site. After all concrete mixing is complete, all waste concrete shall be removed from the batching area and disposed of at an approved dump site. Stormwater shall not be allowed to flow through the batching area. Water laden with cement shall be collected in a retention area for evaporation.

#### **PB.16 EROSION PREVENTION**

PB.16.1 The Engineer will instruct the Contractor on the measures to be taken to ensure that there is no undue stormwater damage and soil erosion resulting from the construction activities. The Contractor shall nevertheless take interim measures to ensure that no undue erosion damage occurs and shall advise the Engineer of all potential problem areas.

PB.16.2 Surface stormwater shall, where possible, not be allowed to be concentrated and to flow down cut or fill slopes or along the pipeline route without erosion protection measures being place.

PB.16.3 Stormwater deflection berms or stone pitched channels shall be constructed at regular intervals (plus minus every 15-30m) diagonally across the pipeline servitude on slopes as directed by the Engineer.

#### **PB.17 EARTHWORKS**

PB.17.1 All cut and fill forms shall be rounded on the edges to allow them to blend with the surrounding landforms.

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PB.17.2Where the backfill over the pipe trench will impede the natural flow of water, the backfill shall be shaped to allow an even flow across the line.

#### PB.19 SPOIL AND WASTE MATERIAL

PB.19.1The Contractor shall load and haul excess spoil to fill in the borrow pits or to dump sites approved by the Engineer. The dumped material must be finally rounded to have slopes not steeper than 1:3.

PB.19.2The Contractor shall remove all foundations and similar waste and transport all such waste material off site to dump areas which have been approved by the Engineer.

#### PB.20 REFUSE DISPOSAL

The Contractor shall dispose of all refuse generated by him or his/her subcontractor on a weekly basis at an approved refuse disposal site.

#### PB.21 ABLUTION FACILITIES

Portable toilets shall be placed within easy access of the Contractor's employees. These toilets shall be moved to follow the progression of the Works. Waste generated by these toilets shall be disposed of in an acceptable manner following consultation with the Engineer.

#### PB.22 CLEARANCE OF SITE ON COMPLETION

PB.22.1On completion of the Works, the Contractor shall clear away and remove from the works area all constructional plant, signboards, surplus rock and other material, foundations, plumbing and other fixtures, rubbish and temporary works of every kind. Areas thus cleared shall be graded and scarified to restore the ground to its original profile as near as practicable before topsoil placement and re-vegetation.

PB.22.2The Contractor shall load and haul excess spoil to fill the borrow pits or to dump sites approved by the Engineer. The dumped material must be finally rounded off to have slopes not steeper than 1:3.

#### PB.23 ENVIRONMENTAL AWARENESS OF EMPLOYEES

The Contractor shall arrange that all his/her employees and those of his/her subcontractors receive environmental awareness and/or training before commencement of construction to the satisfaction of the Engineer, in order that they:

PB.23.1acquire a basic understanding of the key environmental features of the work site and environs;

PB.23.2are thoroughly familiar with the requirements of these Environmental Protection and Control Specifications as they apply to the Works;

PB.23.3if required by the Engineer, receive basic training in the identification of archaeological artifacts, and rare and endangered flora and fauna that may be encountered along the route; and

PB.23.4are made aware of any other environmental matters which are deemed to be necessary by the Engineer.

#### PB.24 COMPLIANCE WITH ENVIRONMENTAL PROTECTION SPECIFICATION

PB.24.1All persons employed by the Contractor or his/her subcontractors shall abide by the requirements of these specification as they apply to the Works.

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PB.24.2 Any employees of the Contractor or his/her subcontractors found to be in breach of any of the Environmental Protection Specifications may be ordered by the Engineer to leave site forthwith. No extension of time will be granted for any delay or impediment to the Contractor brought about by a person ordered to leave the site.

PB.24.3 Supervisory staff of the Contractor and his/her subcontractor shall not direct any person to undertake any activities which would place such a person in contravention of the Environmental Protection and Control Specification.

#### PB.25 COMPLIANCE AND MONITORING

The Engineer shall be responsible for implementing a consistent monitoring programme to ensure that construction specifications are upheld and that negative environmental impacts are regularly assessed and mitigated against.

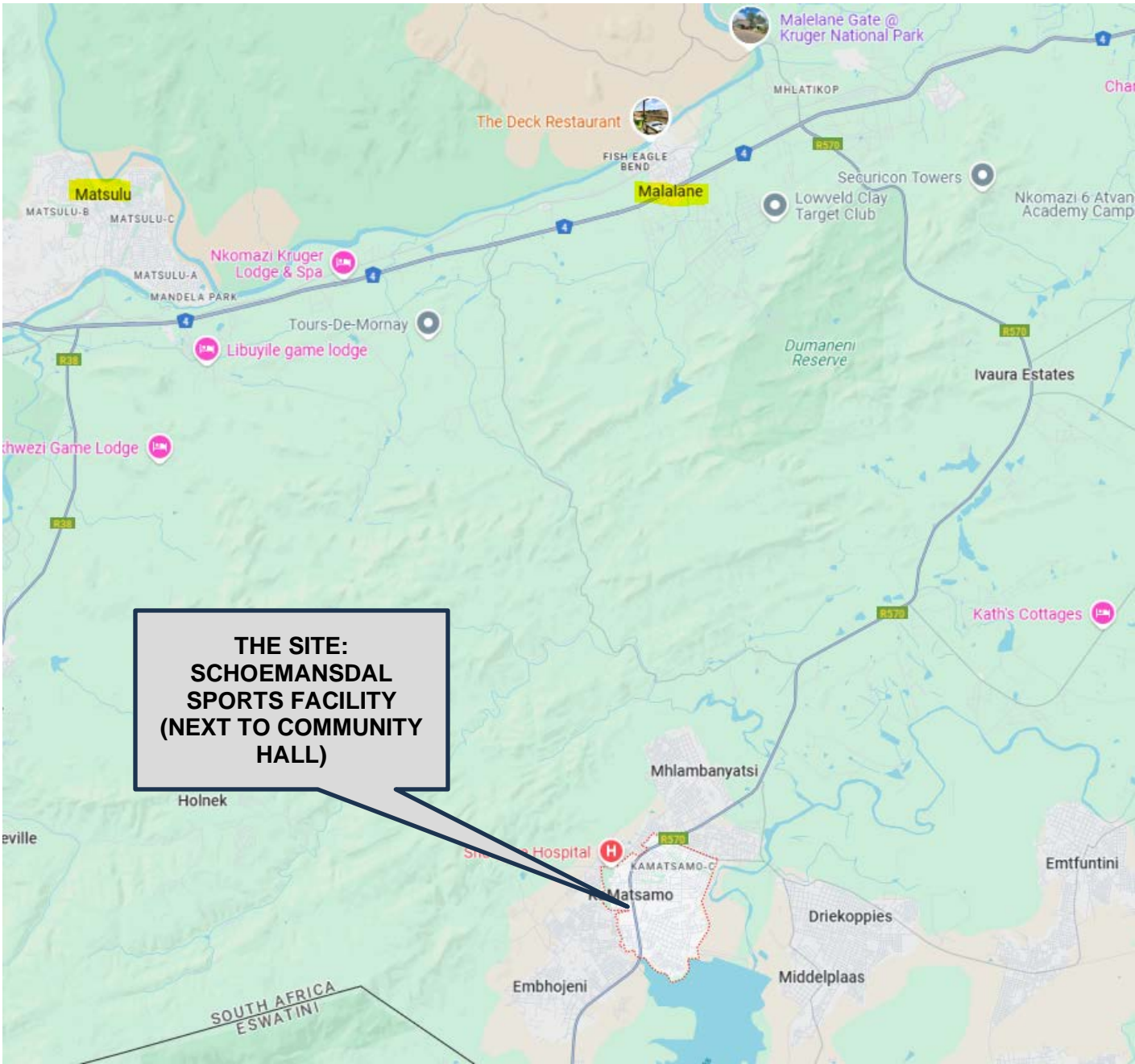
The Contractor shall obtain written approval from the Engineer that the site is rehabilitated to their satisfaction at the end of the contract (practical closure) as well as after a 12 month liability period (final closure). If, in the opinion of the Engineer, the Environmental Protection and Control Specifications have not been complied with, further rehabilitation measures can be specified, the costs of which will be borne by the Contractor.

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C4 SITE INFORMATION

C4.1 SITE LOCALITY PLAN

The following locality sketch is included overleaf:



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## ANNEXTURES

### C5.1 DRAWINGS

The drawings issued to tenders as part of the tender documents must be regarded as provisional and preliminary for the tenderer's benefit to generally assess the scope of work.

The work shall be carried out in accordance with the latest available revision of the drawings approved for construction.

At commencement of the contract, the Engineer shall deliver to the Contractor copies of the AFC drawings and any instructions required for the commencement of the works. From time to time thereafter during the progress of the works, the Engineer may issue further drawings for construction purposes as may be necessary for adequate construction, completion and defects correction of the works.

All drawings and specifications and copies thereof remain the property of the Employer, and the Contractor shall return all drawings and copies thereof to the Employer at the completion of the contract.

The drawings listed in the table overleaf have been bound into the document.

Tenderers are to ensure that they receive a complete set of the tender drawings and must immediately inform the Engineer of any drawings that are missing so that further copies can be issued.

#### LIST OF DRAWINGS ISSUED FOR TENDER:

DRAWING NUMBER	REVISION	DESCRIPTION
23-017-M-01-01		PROPOSED NEW SITE LAYOUT PLAN
23-017-M-01-02		EARTHWORKS & STORM WATER PLAN
23-017-M-01-03		ELECTRICAL, SEWER & WATER PLAN
23-017-M-03-01		ROAD LAYOUT PLAN
23-017-M-03-02		HARDENED SURFACES & KERB DETAILS
23-017-M-03-04		TYPICAL STORM WATER DETAILS
23-017-M-03-05		ATTENUATION POND DETAILS
23-017-M-04-02		SUBSOIL DRAINAGE & IRRIGATION LAYOUT PLAN
23-017-M-04-05		10000L JOJO TANKS AND DETAILS
23-017-M-04-06		32m <sup>3</sup> SEPTIC TANK DETAILS
23-017-M-04-07		TYPICAL WATER DETAILS
23-017-M-04-08		TYPICAL SEWER DETAILS
23-017-M-04-09		PUMP STATION LAYOUT PLAN & DETAILS
23-017-M-04-10		SINGLE PUMP CAGE DETAILS
23-017-M-05-02		MAST FOOTING CONCRETE & REINFORCING DETAILS
23-017-M-06-01		NEW FIELD A LAYOUT PLAN & DETAILS
23-017-M-06-02		NEW FIELD B LAYOUT PLAN & DETAILS
23-017-M-06-03		NEW COMBI COURT LAYOUT PLAN & DETAILS
23-017-M-07-01		MULTI PURPOSE BUILDING - BLOCK 01 PLAN & ELEVATIONS
23-017-M-07-02		MULTI PURPOSE BUILDING - BLOCK 01 ROOF, ELECTRICAL & SEWER PLAN

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23-017-M-07-03		MULTI PURPOSE BUILDING - BLOCK 01 SECTIONS & DETAILS
23-017-M-08-01		NEW GATE HOUSE PLANS & ELEVATIONS
23-017-M-08-02		NEW GATE HOUSE PLANS & SECTIONS
23-017-M-08-03		NEW GATE HOUSE DOOR SCHEDULE & DETAILS
23-017-M-08-04		FENCING DETAILS
23-017-M-08-06		NEW TURNSTILE ENTRANCE PLANS & ELEVATIONS
23-017-M-08-08		NEW OUTDOOR CHESS BOARD PLANS & DETAILS
23-017-M-09-01		NEW EASTERN PAVILION PLAN & DETAIL
23-017-M-09-02		NEW EASTERN PAVILION STRUCTURE PLAN, SECTION & ELEVATION
23-017-M-10-01		NEW WESTERN PAVILION PLANS SECTIONS & ELEVATIONS
23-017-M-10-02		NEW WESTERN PAVILION STRUCTURAL PLAN & SECTIONS
23-017-M-11-01		NEW CLUBHOUSE FLOOR PLAN, SECTION & ELEVATIONS
23-017-M-11-02		NEW CLUBHOUSE FOUNDATION & ROOF PLAN & DETAILS
23-017-M-11-03		NEW CLUBHOUSE DOOR & WINDOW SCHEDULE
23-017-M-11-04		NEW CLUBHOUSE FOUNDATION, ELECTRICAL & ROOF PLAN
23-017-M-11-05		NEW CLUBHOUSE FLOOR SLAB PLAN & REINFORCING DETAILS
23-017-M-11-06		NEW CLUBHOUSE KITCHEN CUPBOARD DETAILS
23-017-M-11-07		NEW CLUBHOUSE DOOR & WINDOW SCHEDULE
23-017-M-12-01		MALE/FEMALE PIT TOILETS - BLOCK 04 PLANS, SECTIONS & ELEVATIONS
23-017-M-13-01		MALE/FEMALE ABLUTIONS - BLOCK 03 PLAN, ELEVATIONS & SECTIONS
23-017-M-13-02		MALE/FEMALE ABLUTIONS - BLOCK 03 ROOF, FOUNDATION SLAB & ELECTRICAL PLANS

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**THE NATIONAL TREASURY**

**Republic of South Africa**



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**GOVERNMENT PROCUREMENT:  
GENERAL CONDITIONS OF CONTRACT**

**July 2010**

**GOVERNMENT PROCUREMENT  
GENERAL CONDITIONS OF CONTRACT**

**July 2010**

<b>BID NO:</b>	<b>NKO 25/ 2025</b>	<b>INITIALS</b>	
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## NOTES

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

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### General Conditions of Contract

- 1. Definitions** 1. The following terms shall be interpreted as indicated:
- 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
  - 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
  - 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.

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- 1.4 “Corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 1.6 “Country of origin” means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7 “Day” means calendar day.
- 1.8 “Delivery” means delivery in compliance of the conditions of the contract or order.
- 1.9 “Delivery ex stock” means immediate delivery directly from stock actually on hand.
- 1.10“Delivery into consignees store or to his site” means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12“Force majeure” means an event beyond the control of the supplier and not involving the supplier’s fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13“Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14“GCC” means the General Conditions of Contract.
- 1.15“Goods” means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.

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1.16“Imported content” means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.

1.17“Local content” means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.

1.18“Manufacture” means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.

1.19“Order” means an official written order issued for the supply of goods or works or the rendering of a service.

1.20“Project site,” where applicable, means the place indicated in bidding documents.

1.21“Purchaser” means the organization purchasing the goods.

1.22“Republic” means the Republic of South Africa.

1.23“SCC” means the Special Conditions of Contract.

1.24“Services” means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.

1.25“Written” or “in writing” means handwritten in ink or any form of electronic or mechanical writing.

**2. Application** 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding

immovable property, unless otherwise indicated in the bidding documents.

2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.

2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

**3. General** 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.

3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from [www.treasury.gov.za](http://www.treasury.gov.za)

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**4. Standards** 4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

**5. Use of** 5.1 The supplier shall not, without the purchaser's prior written consent, **contract** disclose the contract, or any provision thereof, or any specification, <sup>documents</sup> plan, drawing, pattern, sample, or information furnished by or on <sup>and</sup> behalf of the purchaser in connection therewith, to any person other **information;** than a person employed by the supplier in the performance of the **inspection.** contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.

5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

**6. Patent rights** 6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

**7. Performance** 7.1 Within thirty (30) days of receipt of the notification of contract award, **security** the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.

7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:

- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
- (b) a cashier's or certified cheque

7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

**8. Inspections,** 8.1 All pre-bidding testing will be for the account of the bidder.  
**tests and analyses** 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.

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- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

**9. Packing** 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

**10. Delivery** 10.1 Delivery of the goods shall be made by the supplier in accordance with **and documents** the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.

10.2 Documents to be submitted by the supplier are specified in SCC.

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**11. Insurance** 11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

**12. Transportation** 12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

**13. Incidental** 13.1 The supplier may be required to provide any or all of the following **services** services, including additional services, if any, specified in SCC:

- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

**14. Spare parts** 14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:
  - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

**15. Warranty** 15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

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15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

**16. Payment** 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.

16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.

16.4 Payment will be made in Rand unless otherwise stipulated in SCC.

**17. Prices** 17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.

**18. Contract** 18.1 No variation in or modification of the terms of the contract shall be <sup>amendments</sup> made except by written amendment signed by the parties concerned.

**19. Assignment** 19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

**20. Subcontracts** 20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

**21. Delays in the** 21.1 Delivery of the goods and performance of services shall be made by <sup>supplier's</sup> the supplier in accordance with the time schedule prescribed by the <sup>performance</sup> purchaser in the contract.

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21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.

21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

**22. Penalties** 22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

**23. Termination** 23.1 The purchaser, without prejudice to any other remedy for breach of **for default** contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) if the Supplier fails to perform any other obligation(s) under the contract; or
- (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

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23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

23.5 Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer / Authority actively associated.

23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

- (i) the name and address of the supplier and / or person restricted by the purchaser;
- (ii) the date of commencement of the restriction
- (iii) the period of restriction; and (iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

**24. Anti-dumping** 24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a <sup>duties and rights</sup> provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional

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payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him

**25. Force Majeure** 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

**26. Termination** 26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

**27. Settlement of Disputes** 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute

or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

27.5 Notwithstanding any reference to mediation and/or court proceedings herein,

(a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and (b) the purchaser shall pay the supplier any monies due the supplier.

**28. Limitation of**

**liability**

28.1 Except in cases of criminal negligence or willful misconduct, and in

the case of infringement pursuant to Clause 6;

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- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
- (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

**29. Governing** 29.1 The contract shall be written in English. All correspondence and other **language** documents pertaining to the contract that is exchanged by the parties shall also be written in English.

**30. Applicable** 30.1 The contract shall be interpreted in accordance with South African **law** laws, unless otherwise specified in SCC.

**31. Notices** 31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice

31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

**Taxes and** 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp **duties** duties, license fees, and other such levies imposed outside the purchaser's country.

32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.

**33. National Industrial Participation Programme (NIP)** 33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

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**Restrictive practices**      34.1      In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).

34.2      If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.

**34      Prohibition      of**

34.3      If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

Js General Conditions of Contract (revised July 2010)

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