



## **UPHONGOLO LOCAL MUNICIPALITY**

### **CONSTRUCTION OF KWATHENGIZWE SPORTS COMPLEX (WARD 4)**

**TENDER No. 592/07/22**

**CIDB CATEGORY 5CE or HIGHER**

<b>TENDER SUM</b>	
<b>NAME OF TENDERER</b>	
<b>ADDRESS OF TENDERER</b>	
<b>TELEPHONE</b>	
<b>FAX</b>	
<b>CENTRAL SUPPLIER DATABASE</b>	
<b>CIDB CRS NUMBER</b>	
<b>SARS PIN</b>	
<b>CONSTRUCTION DURATION</b>	<b>24 WEEKS</b>

**TENDER CLOSING DATE: 12H00 FRIDAY, 26 AUGUST 2022**

**Prepared For:**

uPhongolo Local Municipality  
61 Martins Street  
P.O. Box 191  
PONGOLA  
3170

**Telephone No:** 034 413 1223

**Fax:** 034 413 1706

**Email:** mbalis@uphongolo.gov.za

**Enquiries:** Mbali Simelane

**Prepared By:**

BTK2 Consultants & Project Managers  
Seadorne Office Park  
No.24 Seadorne Road  
AMANZIMTOTI  
4126

**Telephone No:** 083 278 4086

**Fax:** 086 766 4827

**Email:** untando@gmail.com

**Enquiries:** Mr. M. Ncube (Project Manager)

## CONTENTS

### Page No. Colours

Number	Heading
--------	---------

#### THE TENDER

<b>Part T1:</b>	<b>Tendering Procedures</b>	3-9	
T1.1	Tender Notice and Invitation to Quotation	3-5	White
T1.2	Tender Data	5-11	Pink
<b>Part T2:</b>	<b>Returnable documents</b>		
T2.1	List of Returnable Documents	12-52	Yellow

#### The Contract

<b>Part C1:</b>	<b>Agreements and Contract Data</b>	53-59	Yellow
C1.1	Form of Offer and Acceptance		
C1.2	Contract Data		
C1.3	Agreement in terms of Section 37(2) of the Occupational Health & Safety Act No. 85 of 1993		
<b>Part C2:</b>	<b>Pricing Data</b>	60-93	Yellow
C2.1	Pricing Instructions		
C2.2	Schedule of Quantities		
<b>Part C3:</b>	<b>Scope of Work</b>	94-126	Blue
C3.1	Standard Specifications		
C3.2	Project Specifications		
C3.3	Particular Specifications		
<b>Part C4:</b>	<b>Site Information</b>	127	Green
<b>Part C5:</b>	<b>Drawings</b>	128	Blue
<b>Part C6:</b>	<b>Requirements of the Expanded Public Works Programme</b>	129	Blue

## ACRONYMS AND ABBREVIATIONS

AO /AA	Accounting Officer / Accounting Authority
B-BBEEA	Broad Based Black Economic Empowerment Act, Act No 53 of 2003
BVA	BEE Verification Agency
CCA	Closed Corporations Act, Act No 69 of 1984
CIDB	Construction Industry Development Board
CSD	Centralized Supplier Database
EMEs	Exempted Micro Enterprises
IRBA	Independent Regulatory Board of Auditors
MFMA	Municipal Finance Management Act, Act No 56 of 2003
MBD	Municipal Bid Document
PFMA	Public Finance Management Act, Act No. 1 of 1999 (as amended by Act 29 of 1999)
PPPFA	Preferential Procurement Policy Framework Act, No 5 of 2000
QSE	Qualifying Small Enterprise
SANAS	South African National Accreditation System
SARB	South African Reserve Bank
SARS	South African Revenue Services
SASAE	South African Standard on Assurance Engagements
SCM	Supply Chain Management
SANS	South African National Standards

## DOCUMENT CHECKLIST

This document checklist is provided to assist the Tenderer.

	ITEMS	CHECKED
1.	Completion of Form A to P.....	<input type="checkbox"/>
2.	Correct Offer carried to <b>C1.1: Form of Offer and Acceptance</b> and the Form of Offer duly completed and signed.....	<input type="checkbox"/>
3.	Schedule of Quantities	
	i) Completed in <b>BLACK INK</b> only.....	<input type="checkbox"/>
	ii) Corrections crossed out and initialed .....	<input type="checkbox"/>
4.	Contract Specific Data provided by the Tenderer.....	<input type="checkbox"/>
5.	A valid Tax Clearance Certificate or Tax Compliance Pin is attached.....	<input type="checkbox"/>
6.	Tenderer submitting as a Joint Venture has attached an acceptable Joint Venture Agreement with the tender.....	<input type="checkbox"/>
7.	Certificate of authority for signature signed.....	<input type="checkbox"/>
8.	Certified copy of B-BBEE certificate is attached.....	<input type="checkbox"/>
9.	Certified ID copies of directors/members not older than 3 months.....	<input type="checkbox"/>
10.	Company registration certificate attached.....	<input type="checkbox"/>
11.	Proof of registration on CSD attached.....	<input type="checkbox"/>
12.	CIDB grading 5CE or higher.....	<input type="checkbox"/>
13.	Schedule of experience completed with appointment letters and completion Certificates attached.....	<input type="checkbox"/>
14.	MBD forms completed and signed.....	<input type="checkbox"/>
15.	Bidders financial standing (letter from bank / financial statements) .....	<input type="checkbox"/>



## UPHONGOLO MUNICIPALITY RE-ADVERTISEMENT

BID NUMBER	PROJECT NAME	CIDB GRADING	CONSULTANTS	COMPULSORY SITE INSPECTION	TENDER CLOSING DATE
592/07/22	Construction of Kwathengizwe Sports Complex Ward 4	5CE or Higher	Mr. M. Ncube (083) 278 4086 E-mail: untando@gmail.com	28 July 2022 at 10:00 AM	26 August 2022 at 12:00

- Steel Products and components for production 100%
- Cement 100%

Tender Documents will be available on the municipal website [www.uphongolo.gov.za](http://www.uphongolo.gov.za) and e-tender portal <https://etenders.treasury.gov.za> as from 25 July 2022.

Sealed bids marked: **“Contract No.** must be placed in the bid box at uPHONGOLO Local Municipality at 61 Martins Street, Pongola 3170 **on or before the closing date** and will be opened directly thereafter and the Bid result will be published on municipal website within three (3) days as there will be no public opening due to COVID-19.

The following conditions will apply:

- Prices must be valid for ninety (90) days from bid closing date.
- Prices quoted must be inclusive of VAT.
- A firm delivery period must be indicated.
- Bids will be evaluated in accordance with the applicable Preferential Point Scoring System as set out in the Councils Supply Chain Management Policy. The following form, MBD 1, MBD 4, MBD5 for procurement above R10 000 000.00, MBD 6.1, MBD 6.2 MBD 8 and MBD 9 must be completed and submitted with the bid.
- **Bidders are required to, together with their bids, submit an original and valid B-BBEE Status Level Verification Certificates or certified copies thereof to substantiate their B-BBEE rating claims.**
- Bids that are late or incomplete will not be considered, whilst the lowest or only bid will not necessarily be accepted. Bids per fax or E-mail will also not be considered.
- A valid Tax Clearance Compliance Status Pin Certificate must accompany all bids.
- The 80/20 preferential points system, as determined by the Preferential Procurement Policy Framework Act (Act 5 of 2000) will be employed to evaluate this bid.
- Bids must be accompanied with CIPRO documentation **to verify ownership.**
- Three (3) years audited financial statements must be attached for those companies required by law.
- Bids may only be submitted on the bid documentation submitted by the municipality.

For any further information contact the Consulting Engineers at the above-mentioned contacts or technical enquiries contact Mr. GS Simelane (034) 413 1223 [mbalis@uphongolo.gov.za](mailto:mbalis@uphongolo.gov.za) and Mr. TP Masinga for Supply Chain related enquiries on (034) 413 1223 ext.106 or [thokozanim@uphongolo.gov.za](mailto:thokozanim@uphongolo.gov.za)

uPHONGOLO Local Municipality reserves the right to accept any Bid or part of any Bid and is not bound to accept the lowest or any other Bid or to furnish any reason for the acceptance or rejection of a Tender.

**NO LATE, E-MAIL, POSTED OR FAXED BIDS WILL BE ACCEPTED**

The evaluation of the Bid will be conducted in two stages: Firstly, the assessment of Functionality will be done in terms of the evaluation criteria and the minimum threshold, thereafter the qualifying Bids are evaluated in terms of the 80/20 preference point system, where the 80 points are used for price and the 20 points are used for BBBEE status level of contribution.

**MR MB KHALI  
ACTING MUNICIPAL MANAGER**

## PART A

### INVITATION TO BID

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF UPHONGOLO LOCAL MUNICIPALITY</b>					
BID NUMBER:	592/07/22	CLOSING DATE:	FRI 26 AUG 22	CLOSING TIME:	12H00
DESCRIPTION:	CONSTRUCTION OF KWATHENGIZWE SPORTS COMPLEX (WARD 4)				
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM</b>					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
UPHONGOLO LOCAL MUNICIPALITY					
61 MARTIN STREET					
PONGOLA					
3170					
<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-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED			TOTAL BID PRICE		R
SIGNATURE OF BIDDER			DATE		
CAPACITY UNDER WHICH THIS BID IS SIGNED					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>			<b>TECHNICAL INFORMATION MAY BE DIRECTED TO:</b>		
DEPARTMENT		CONTACT PERSON			
CONTACT PERSON		TELEPHONE NUMBER			
TELEPHONE NUMBER		FACSIMILE NUMBER			
FACSIMILE NUMBER		E-MAIL ADDRESS			
E-MAIL ADDRESS					

## 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, 2017, 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)? | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| 3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA?                       | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| 3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?      | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| 3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?           | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| 3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?       | <input type="checkbox"/> YES | <input type="checkbox"/> 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: .....

## **T1.2 TENDER DATA**

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 bid process in respect of the project under consideration.

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

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

The Conditions of Quotation are the Standard Conditions of Quotation as contained in Annexure F of the CIDB Standard for Uniformity in Construction Procurement, as printed in Board Notice 86 of 2010 in the Government Gazette No. 33239 of 2010 dated 28 May 2010.

The Standard Conditions of Quotation make several references to the Tender Data which specifically applies to this quotation.

### **Tender Data Applicable to this Bid**

<b>Clause Number</b>	<b>Data / Wording</b>
<b>F.1.2</b>	<p>The <b>Tender Document</b> consists of the following:</p> <ul style="list-style-type: none"><li>(a) <b>Tender Document No. 592/07/22</b></li><li>(b) <b>'General Conditions of Contract for Construction Works, 3rd Edition, 2015'</b> issued by the South African Institution of Civil Engineering (abbreviated title 'General Conditions of Contract 2015' - 'GCC 2015'). This document is obtainable separately and Tenderer shall obtain their own copy.</li><li>(c) <b>'The SANS 1200 Standardised Specification for Civil Engineering Construction'</b>. This document is obtainable separately and Tenderer shall obtain their own copy.</li><li>(d) <b>'The Occupational Health and Safety Act No.85 and Amendment Act No.181 of 1993, and the Construction Regulations 2014' (Government Gazette No.37305 of 7 February 2014, Notice No R.84)</b>. This document is obtainable separately and Tenderer shall obtain their own copy.</li><li>(e) <b>The Construction Industry Development Board Act No.38 of 2000 as amended and the Regulations in terms of the CIDB Act 38 of 2000, Government Notice No.692 of 9 June 2004 as amended.</b></li><li>(f) <b>The Preferential Procurement Policy Framework Act and the Preferential Procurement Regulations 2017.</b></li></ul> <p>In addition, the Tenderer is advised, in their own interest, to obtain their own copies of the relevant Acts, Regulations and Standards referred to in this document as they are essential for the Tenderer to become acquainted with the basics of construction management, the implementation of preferential construction procurement policies, and participation of targeted enterprises and labour.</p>
<b>F.1.4</b>	<p>The Employer's Agent is:</p> <p>Contact person: Mr. Malcolm Ncube Cellphone: 083 278 4086 E-mail: untando@gmail.com</p>



Clause Number	Data / Wording
F.2.1	<p>A Tenderer will not be eligible to submit a quotation if:</p> <ul style="list-style-type: none"> <li>(a) The Tenderer submitting the quotation is under restrictions or has principals who are under restriction to participate in the Employer's procurement due to corrupt or fraudulent practices;</li> <li>(b) The Tenderer does not have the legal capacity to enter into the contract.</li> <li>(c) The Tenderer submitting the bid 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.</li> <li>(d) The Tenderer does not comply with the legal requirements stated in the Employer's procurement policy.</li> <li>(e) The Tenderer cannot demonstrate that he possesses the necessary professional and technical qualifications and competence, financial resources, equipment and other physical facilities, managerial capability, personnel, experience and reputation to perform the contract.</li> <li>(f) The Tenderer 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.</li> </ul> <p>The Emerging Contractor shall be registered in CIDB contractor grading designation 5CE or higher.</p> <p>Joint ventures are eligible to submit bids provided that:</p> <ol style="list-style-type: none"> <li>1. Every member of the joint venture is registered with the CIDB.</li> <li>2. The lead partner has a contractor grading designation in the CE class of construction work.</li> <li>3. The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum bided for a 5CE or higher class of construction work.</li> </ol> <p>In terms of the KwaZulu-Natal Supply Chain Management Policy Guideline, all suppliers of goods and services to the Province of KwaZulu-Natal are required to register on the Centralized Suppliers Database. Prospective suppliers should self-register on the CSD website <a href="http://www.csd.gov.za">www.csd.gov.za</a>.</p>
F.2.7	<p>There will be no compulsory Clarification Meeting. It will be the responsibility of the Tenderer to familiarize themselves with the site conditions from the locality maps provided.</p>
F.2.13	<p><b>F.2.13.3</b> Tender offers shall be submitted as an original only. Under no circumstances whatsoever may the quotation forms be retyped or redrafted.</p> <p><b>F.2.13.5</b> The principal address for delivery of tender documents and identification details to be shown on each sealed envelope are <b>uPhongolo Municipal Offices, 61 Martin Street, Pongola</b></p> <p><b>Location of Tender Box:</b> Foyer of <b>uPhongolo Municipality</b> offices.</p> <p><b>Identification Details:</b> Construction of KwaThengizwe Sports Complex Tender No. 592/07/22</p> <p>All tenders received in sealed envelopes with the relevant quotation numbers on the envelopes are kept unopened in safe custody until the closing time of the tender. If it is received without a quotation number on the envelope, it shall be opened, the tender number ascertained.</p>
F.2.15	<p>The closing time for submission of bids is <b>12h00 on Friday, 26 August 2022</b>.</p> <p>Telegraphic, telephonic, telex, facsimile, electronic, e-mailed and late bids will not be accepted.</p>
F.2.16	<p>The validity period is 90 (ninety) days from the closing time for submission of Tenders.</p>

Clause Number	Data / Wording
<b>F.3.4</b>	The time and location for opening of Tenders is: uPhongolo Municipal Offices, 61 Martin Street, Pongola at <b>12h00 on Friday, 26 Aug 2022.</b>
<b>F.3.5</b>	The Two-envelope system will not be followed in this tender.
<b>F.3.6</b>	The Employer or his/her agent will not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.
<b>F.3.7</b>	<b>Grounds for rejection and disqualification</b> The Employer or his/her agent will determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.
<b>F.3.8</b>	<b>Test for responsiveness</b> <b>F.3.8.1</b> Determine, after opening and before detailed evaluation, whether each tender offer properly received: (a) complies with the requirements of these Conditions of Tender, (b) has been properly and fully completed and signed, and (c) is responsive to the other requirements of the tender documents.
<b>F.3.10</b>	<b>Clarification of a tender offer</b> The Employer or his/her agent will obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.
<b>F.3.11</b>	<b>Evaluation of Tenders</b> The procedure for the evaluation of responsive Tender Offers will be Method 4: Financial Offer, Quality and Preference.
<b>F.3.11.3</b>	<b>Tenders will be evaluated on a two (2) stage basis as follows:</b> <b>Stage 1: Quality/Functionality</b> Tenderers' experience/ability to undertake works of similar nature will be evaluated in terms of a Functionality Score Card as presented below. Only Tenderers scoring a minimum of <b>70 points</b> (70%) as scored against the scorecard below shall be considered for further evaluation under <b>Stage 2.</b> <b><u>Formula for scoring Quality</u></b> $W_q = W_2 \times S_o / M_s$ Where $W_2$ is the percentage score allocated to quality equal to 80 (for tenders less than R50 million). $S_o$ is the score for quality allocated to the submission under consideration. $M_s$ is the maximum possible score for quality in respect of a submission equal to 100.

Clause Number	Data / Wording		
	<b>Category</b>	<b>Preference</b>	<b>Maximum Points Claimable</b>
	1	<p>Track record and experience: Number of building and civil projects (preferably sportsfields) previously completed by the tendering entity within the last 5 years.</p> <p>1 completed similar project = 15 points 2 completed similar projects = 30 points 3 or more completed similar projects = 45 points</p> <p>The tenderer should attach appointment letters and completion certificates for completed projects.</p> <p><b><i>[Minimum value of project R 1 500 000.00]</i></b></p>	<b>45</b>
	2	<p>The Site Agent should have academic minimum requirements of a N. Dipl. in Civil Eng. with:</p> <p>2 - 3 years' experience as a Site Agent = 5 points 3 - 5 years' experience as a Site Agent = 10 points More than 5 years' experience as a Site Agent = 15 points</p> <p>The tenderer should attach curriculum vitae (CV) with traceable references and certified relevant copies of qualifications.</p> <p><b><i>[Copies of certified qualifications will be scored zero points]</i></b></p>	<b>15</b>
	3	<p>The Site Foreperson should have the following experience:</p> <p>2 - 5 years' experience in similar projects = 5 points More than 5 years' experience in similar projects = 10 points</p> <p>The tenderer should ensure that references on the Site Foreperson's CV are contactable, otherwise they will not score any points in this category.</p>	<b>10</b>
	4	<p>Availability of relevant plant and equipment: If the tenderer owns required construction plant and equipment for General Civil and Building Works (Tipper Truck, TLB, Grader, Concrete Mixer, Water Cart, Roller, etc.)</p> <p>1 Tipper Truck = 5 points 1 Tipper Truck + 1 TLB = 10 points 1 Tipper Truck + 1 TLB + 1 Grader = 15 points 1 Tipper Truck + 1 TLB + 1 Grader + 1 Roller = 20 points</p> <p>The tenderer must provide proof of ownership in the form of a logbook or proof of purchase. Alternatively, if the tenderer intends to hire plant and equipment then they must provide a letter of commitment or a pre-lease agreement from the plant hire.</p> <p><b><i>[The tenderer will be scored 50% of the claimable points for providing plant and equipment through plant hire.]</i></b></p>	<b>20</b>
	5	<p>LOCALITY - The tenderer will be scored points for the location of their offices according to the following criteria:</p> <p>Tenderer' offices located in KZN Province = 5 point Tenderer' offices located in Zululand District = 7 points Tenderer' offices located in UPhongolo Municipality = 10 points</p> <p>The Tenderer <b><u>MUST</u></b> attach confirmation of address in the form of a utility bill, clearance certificate, lease agreement and proof of rates.</p>	<b>10</b>
		<b>TOTAL POINTS CLAIMED</b>	<b>100</b>

Clause Number	Data / Wording																														
F.3.11.8	<b><u>Formula for scoring the Financial Offer</u></b>																														
	$W_1 \times A = P / P_m$																														
	Where																														
	$W_1$ is the percentage score given to financial offer.																														
	$P_m$ is the comparative offer of the most favourable tender offer.																														
	$P$ is the comparative offer of the tender offer under consideration.																														
	<b><u>Formula for combining Quality and Financial Offer</u></b>																														
	$W_c = W_3 \times \frac{(1+(S-S_m))}{S_m}$																														
	Where																														
	$W_3$ is the number of tender evaluation points for quality and financial offer and equals 80.																														
$S$ is the sum of score for quality and financial offer of the submission under consideration.																															
$S_m$ is the sum of the score for quality and financial offer of the submission scoring the highest number of points.																															
<b>Scoring Preferences</b>																															
	The Tenderer is required to submit a B-BBEE Verification Certificate, a sworn affidavit, or a certificate from the Companies and Intellectual Property Commission (CIPC) (as applicable) in accordance with the Codes of Good Practice promulgated in Gazette 36928 on 11 October 2013, as amended (see Returnable Schedule L), as more fully set out herein.																														
	Up to 100 tender evaluation points will be awarded to Tenderer who submit responsive tenders and who are found to be eligible for the Preference claimed. Points for Preference are based on a Tenderer's scorecard measured in terms of the Broad-Based Black Economic Empowerment Amendment Act 46 of 2013 and the Regulations (2017) to the Preferential Procurement Policy Framework Act 5 of 2000.																														
	Points awarded for Preference will be in accordance with a Tenderer's B-BBEE status level of contributor as summarised in the table below:																														
	<b>Table F.2: Points for Preference based on B-BBEE status level of contributor</b>																														
	<table><tr><th>Status Level of contributor</th><th>Scorecard</th><th>Preference Points based on scorecard (80/20 System)</th></tr><tr><td>1</td><td>= 100 points</td><td>20</td></tr><tr><td>2</td><td>≥ 95 but &lt; 100 points</td><td>18</td></tr><tr><td>3</td><td>≥ 90 but &lt; 95 points</td><td>14</td></tr><tr><td>4</td><td>≥ 80 but &lt; 90 points</td><td>12</td></tr><tr><td>5</td><td>≥ 75 but &lt; 80 points</td><td>8</td></tr><tr><td>6</td><td>≥ 70 but &lt; 75 points</td><td>6</td></tr><tr><td>7</td><td>≥ 55 but &lt; 70 points</td><td>4</td></tr><tr><td>8</td><td>≥ 40 but &lt; 55 points</td><td>2</td></tr><tr><td>Non-compliant Contributor</td><td>&lt; 40 points</td><td>0</td></tr></table>	Status Level of contributor	Scorecard	Preference Points based on scorecard (80/20 System)	1	= 100 points	20	2	≥ 95 but < 100 points	18	3	≥ 90 but < 95 points	14	4	≥ 80 but < 90 points	12	5	≥ 75 but < 80 points	8	6	≥ 70 but < 75 points	6	7	≥ 55 but < 70 points	4	8	≥ 40 but < 55 points	2	Non-compliant Contributor	< 40 points	0
Status Level of contributor	Scorecard	Preference Points based on scorecard (80/20 System)																													
1	= 100 points	20																													
2	≥ 95 but < 100 points	18																													
3	≥ 90 but < 95 points	14																													
4	≥ 80 but < 90 points	12																													
5	≥ 75 but < 80 points	8																													
6	≥ 70 but < 75 points	6																													
7	≥ 55 but < 70 points	4																													
8	≥ 40 but < 55 points	2																													
Non-compliant Contributor	< 40 points	0																													

Clause Number	Data / Wording
	<p><b><u>Total Score for Price and Preference</u></b></p> <p>The points scored for a Tenderer in respect of Price must be added to the points scored in respect of Preference. Only the tender with the highest number of points may be selected, except in those instances permissible by legislation, practice notes or relevant policies.</p>
F.3.13	<p><b>F.3.13.1</b> The legal requirements for acceptance of the Tender are:</p> <ul style="list-style-type: none"> <li>a) <b>Tender Defaulters Register</b> - the Tenderer or any of its principals is <u>not</u> listed on the register of Quotation Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector.</li> <li>b) <b>Abuse of the SCM System</b> - the Tenderer has <u>not</u> abused the Client's Supply Chain Management System and has <u>not</u> been given a written notice to the effect that he has failed to perform on any previous contract.</li> <li>c) <b>Declaration</b> - the Tenderer has indicated and declared whether or not a spouse, child or parent of the Tenderer is in the service of the State.</li> <li>d) <b>Fraud and Corruption</b> - the Employer is satisfied that the Tenderer or any of his principals have <u>not influenced</u> the quotation offer and acceptance by the following criteria: <ul style="list-style-type: none"> <li>(i) having offered, promised or given a bribe or other gift or remuneration to any person in connection with the obtaining of this quotation;</li> <li>(ii) having acted in a fraudulent or corrupt manner in obtaining this quotation;</li> <li>(iii) having entered into any agreement or arrangement, whether legally binding or not, with any other person, firm or company to refrain from quoting for this quotation or as to the amount of the quotation to be submitted by either party;</li> <li>(iv) having disclosed to any other person, firm or company other than the Employer, the exact or approximate amount of his proposed quotation.</li> </ul> </li> </ul> <p>The Employer may, in addition to using any other legal remedies, repudiate the tender offer and acceptance and declare the quotation invalid should it have been concluded already.</p>
F.3.14	<p><b>Prepare Contract Documents</b></p> <p>If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:</p> <ul style="list-style-type: none"> <li>a) addenda issued during the tender period,</li> <li>b) inclusion of some of the returnable documents, and</li> <li>c) other revisions agreed between the employer and the successful tenderer.</li> </ul>
F.3.17	<p>Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.</p>

## **T2.1 RETURNABLE DOCUMENTS AND SCHEDULES**

- A CERTIFICATE OF AUTHORITY TO SIGN BID**
- B COMPULSORY DECLARATION**
- C CLARIFICATION MEETING**
- D SCHEDULE OF PLANT AND EQUIPMENT**
- E EXPERIENCE OF TENDERER**
- F KEY PERSONNEL**
- G CONTRACTOR'S HEALTH AND SAFETY DECLARATION**
- H PREFERENCING SCHEDULE: B-BBEE STATUS**
- I CONTRACT PARTICIPATION GOALS**
- J CONFIRMATION OF REGISTRATION WITH THE CENTRAL SUPPLIER DATABASE**
- K RECORD OF ADDENDA**
- L PROOF OF ADDRESS**
- M TAX CLEARANCE STATUS**
- N CIDB REGISTRATION**
- O LETTER OF GOOD STANDING**
- P PROGRAMME**

NOTE: The Tenderer is required to complete each and every schedule and form listed above as the evaluation of Tenders and the eventual contract will be based on the information provided by the Tenderer.

Failure of a Tenderer to complete the schedules and forms to the satisfaction of the Employer will lead to rejection on the grounds that the quotation is not responsive.

## **FORM A: CERTIFICATE OF AUTHORITY TO SIGN BID**

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.

<b>A.1 Company</b>	<b>A.2 Sole Proprietor</b>	<b>A.3 Close Corporation</b>	<b>A.4 Co-operative</b>

### **A.1 Certificate for Company**

I, ....., chairperson of the board of  
....., hereby confirm that by resolution  
of the board (copy attached) taken on.....20.....  
Mr/Ms ..... acting in the capacity of ....., was  
authorised to sign all documents in connection with this Bid No. **592/07/22** and  
any contract resulting from it on behalf of the company.

#### **As witnesses:**

1. ....

Chairman: .....

2. ....

Date: .....

<b>ENTERPRISE STAMP</b>

### **A.2. Certificate for Sole Proprietor**

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

#### **As witnesses:**

1. ....

Sole Owner: .....

2. ....

Date: .....

***[Failure of a Tenderer to sign and to fill this form will invalidate the Tender]***

### A.3. Certificate for Close Corporation

We, the undersigned, being the key members in the business trading as .....,  
hereby authorize Mr/Ms ..... acting in the capacity  
of ....., to sign all to sign all documents in connection with this Tender for  
Tender No. **592/07/22** and any contract resulting from it on our behalf.

Name	Address	Signature	Date

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

ENTERPRISE STAMP

#### As witnesses:

1. ....

Chairman: .....

2. ....

Date: .....

### A.4. Certificate for a Co-operative

A certified copy of the Constitution of the co-operative must be included with the quotation, together with the resolution by its members authoring a member or other official of the co-operative to sign the quotation documents on their behalf. By resolution of members at a meeting on.....20.....  
Mr/ Ms....., whose signature appears below, has been authorised to sign all documents in connection with this quotation on behalf of (name of cooperative) .....

**Signature of Authorized Representative/Signatory** .....

**In his/her capacity as:** ..... **Date:** .....

**Signed on behalf of co-operative:** .....

**Name in Block letters:** .....

**Witnesses:** 1. ....

2. ....

**[Failure of a Tenderer to sign and to fill this form will invalidate the Tender]**



## **REGISTRATION CERTIFICATE / JV AGREEMENT / ID DOCUMENTS**

Important Note to Tenderer: Copies of Registration Certificates for Companies and Certified Copies of IDs for Directors, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID documents for Sole Proprietors, all as referred to in the foregoing forms and in T2.1, must be inserted here.

***[Failure of a Tenderer to attach the documents to this form will invalidate the Tender]***

## **FORM B: COMPULSORY DECLARATION**

The following particulars must be furnished. In the case of a Joint Venture, separate declarations in respect of each partner must be completed and submitted.

<b>Section 1: Enterprise Details</b>		
<b>Name of Enterprise</b>		
<b>Contact Person</b>		
<b>Email</b>		
<b>Telephone</b>		
<b>Cell</b>		
<b>Fax</b>		
<b>Physical Address</b>		
<b>Postal Address</b>		

<b>Section 2: Particulars of companies and close corporations</b>	
<b>Company / Close Corporation Registration Number:</b>	

<b>Section 3: SARS Information</b>	
<b>Tax Reference Number</b>	
<b>VAT Registration Number</b>	(State Not Registered if not Registered for VAT)

<b>Section 4: CIDB registration number:</b>	
<b>CIDB Registration Number (If Applicable)</b>	

<b>Section 5: Particulars of Principals</b>		
<b>Full Name of Principal</b>	<b>Identity Number</b>	<b>Personal Tax Reference Number</b>

*\* Attach separate page if necessary*

**Section 6: Record in the service of the state**

Indicate, by marking the relevant boxes with a cross, if any principal is currently or has been within the last 12 months in the service of any of the following:

- |  |   |
|--|---|
| <input type="checkbox"/> a member of Parliament  | <input type="checkbox"/> an employee of Parliament or a provincial legislature  |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Provinces          | <input type="checkbox"/> an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature  | <input type="checkbox"/> an employee of any municipality or municipal entity  |
| <input type="checkbox"/> a member of any municipal council   |   |
| <input type="checkbox"/> a member of the board of directors of any municipal entity                      |   |
| <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |   |

If any of the above boxes are marked, disclose the following:

Name of Principal	Name of institution, public office, board or organ of state served and position held**	Status of service (tick appropriate column) **	
		Current	Within last 12 months

\*\* Attach additional pages if more space is required

**Section 7: Record of family member in the service of the state**

**Family Member:** a person's spouse, whether in a marriage or in a customary union according to indigenous law, domestic partner in a civil union, or child, parent, brother, sister, whether such a relationship results from birth, marriage or adoption.

Indicate, by marking the relevant boxes with a cross, if any family member of a principal as defined in section 5 is currently or has within the last 12 months been in the service of any of the following:

- |  |   |
|--|---|
| <input type="checkbox"/> a member of Parliament  | <input type="checkbox"/> an employee of Parliament or a provincial legislature  |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Provinces          | <input type="checkbox"/> an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature  | <input type="checkbox"/> an employee of any municipality or municipal entity  |
| <input type="checkbox"/> a member of any municipal council   |   |
| <input type="checkbox"/> a member of the board of directors of any municipal entity                      |   |
| <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |   |

If any of the above boxes are marked, disclose the following:

Name of family member	Name of institution, public office, board or organ of state served and position held***	Status of service (tick appropriate column) ***	
		Current	Within last 12 months

\*\*\* Attach additional pages if more space is required

**Section 8: Record of termination of previous contracts with an organ of state**

Was any contract between the Quoting entity, including any of its joint venture partners, terminated during the past five (5) years for reasons other than the Employer no longer requiring such works or the Employer failing to make payment in terms of the contract?

<b>YES</b>		<b>NO</b>	
------------	--	-----------	--

(Tick appropriate box)

If yes, please provide particulars (insert separate page if necessary)


The undersigned, who warrants that he/she is duly authorised to do so on behalf of the Tendering entity, confirms that the contents of this Declaration are within my personal knowledge, save where stated otherwise in an attachment hereto, and to the best of my belief is both true and correct, and that:

- (i) neither the name of the Tendering entity, nor any of its principals, appears on:
  - a) the Register of Quotation Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004 (Act No. 12 of 2004); or
  - b) National Treasury's Database of Restricted Suppliers (see [www.treasury.gov.za](http://www.treasury.gov.za))
- (ii) the Tendering entity or any of its principals has not been convicted of fraud or corruption by a court of law (including a court outside of the Republic of South Africa) within the last five years;
- (iii) any principal who is presently employed by the state has the necessary permission to undertake remunerative work outside such employment (attach permission to this declaration).
- (iv) the Tendering entity is not associated, linked or involved with any other Tendering entities submitting Quotation offers.
- (i) the Tendering entity has not engaged in any prohibited restrictive horizontal practices, including consultation, communication, agreement, or arrangement with any competing or potential Tendering entity regarding prices, geographical areas in which goods and services will be rendered, approaches to determining prices or pricing parameters, intentions to submit a Quotation or not, the content of the submission (speculation, timing, conditions of contract, etc.) or intention to not win a Quotation.
- (ii) The Tendering entity has no other relationship with any of the Tenderer or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest.
- (iii) Neither the Tenderer nor any of its principals owes municipal rates and taxes or municipal service charges to any municipality or a municipal entity, and are not in arrears for more than three months.
- (iv) SARS may, on an ongoing basis during the term of the contract, disclose the Tenderer's tax compliance status to the Employer and, when called upon to do so, obtain the written consent of any subcontractors who are subcontracted to execute a portion of the contract that is entered into in excess of the threshold prescribed by National Treasury, for SARS to do likewise.

**Notes:**

- 1) The Standard Conditions of Quotation contained in SANS 10845-3 prohibits anticompetitive practices (Clause 3.1) and requires that Tenderer avoid conflicts of interest, only submit a Quotation offer if the Tenderer or any of his principals is not under restriction to do business with the Employer (4.1.1) and submit only one Quotation either as a single Tendering entity or as a member in a joint venture (Clause 4.13.1). Clause 5.7 also empowers the Employer to disqualify any Tenderer who engages in fraudulent and corrupt practices. Clause 3.1 also requires Tenderer to comply with all legal obligations.
- 2) Section 30(1) of the Public Service Act, 1994, prohibits an employee (person who is employed in posts on the establishment of departments) from performing or engaging remunerative work outside his or her employment in the relevant department, except with the written permission of the executive authority of the department. When in operation, Section 8(2) of the Public Administration Management Act, 2014, will prohibit an employee of the public administration (i.e. municipalities and all national departments, national government components listed in Part A of Schedule 3 to the Public Service Act, provincial departments including the office of the premier listed in Schedule 1 of the Public Service Act and provincial departments listed in schedule 2 of the Public Service Act, and provincial government components listed in Part B of schedule 3 of the Public Service Act) or persons contracted to executive authorities in accordance with the provisions of section 12A of the Public Service Act of 1994 or persons performing similar functions in municipalities, from conducting business with the State or to be a director of a public or private company conducting business with the State. The offence for doing so is a fine or imprisonment for a period not exceeding five years, or both. It is also a serious misconduct which may result in the termination of employment by the Employer.
- 3) Regulation 44 of Supply Chain Management regulations issued in terms of the Municipal Finance Management Act of 2003 requires that municipalities and municipal entities should not award a contract to a person who is in the service of the State, a director, manager or principal shareholder in the service of the State or who has been in the service of the State in the previous twelve months.
- 4) Regulation 45 of Supply Chain Management Chain regulations requires a municipality or municipal entity to disclose in the notes to the annual statements particulars of any award made to a close family member in the service of the State.
- 5) Corrupt activities which give rise to an offence in terms of the Prevention and Combating of Corrupt Activities Act of 2004, include improperly influencing in any way the procurement of any contract, the fixing of the price, consideration or other moneys stipulated or otherwise provided for in any contract, and the manipulating by any means of the award of a Quotation.
- 6) Section 4 of the Competition Act of 1998 prohibits restrictive horizontal practice, including agreements between parties in a horizontal relationship, which have the effect of substantially preventing or lessening competition, directly or indirectly fixing prices or dividing markets or constituting collusive tendering. Section 5 also prohibits restrictive vertical practices. Any restrictive practices that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties.

Signature.....

Date .....

Name and Surname.....

Position.....

Enterprise Name.....

***[Failure of a Tenderer to sign and to fill this form will invalidate the Tender]***

**FORM C: CERTIFICATE OF ATTENDANCE TO COMPULSORY CLARIFICATION MEETING**

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

of (*address*) .....

..... was represented by the

person(s) named below at the compulsory clarification meeting held for all Tenderers in UPhongolo Local Municipality **on Thursday, 28 July 2022, starting at 10h00.**

I / 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 attending the meeting:**

Name and Surname: ..... Signature: .....

Capacity: .....

**Attendance of the above person at the meeting is confirmed by the Employer, namely:**

Name and Surname: ..... Signature: .....

Capacity: ..... Date and Time: .....

<b>UPhongolo Municipality Stamp (Compulsory)</b>

***[Any Bid submitted that does not bear the signature of the Employer on this page shall be considered non-responsive in terms of subclause F3.8 of the Conditions of Tender and shall be rejected.]***

## **FORM D: SCHEDULE OF PLANT AND EQUIPMENT**

The following is a list of major items of relevant equipment that I / we presently own or lease and will have available for this contract if my / our tender is accepted.

- (a) **Details of Major Plant and Equipment that is owned by me / us and is immediately available for this contract:**

DESCRIPTION (type, size, capacity, etc.)	QUANTITY	YEAR OF MANUFACTURE

***Please attach additional pages if more space is required***

- (b) **Details of major Plant and Equipment that will be hired or acquired for this contract if my/ our tender is accepted:**

DESCRIPTION (type, size, capacity, etc.)	QUANTITY	HOW ACQUIRED	
		HIRE / BUY	SOURCE

***Please attach additional pages if more space is required***

The Tenderer undertakes to bring onto site without additional cost to the Employer any additional plant not listed but which may be necessary to complete the contract within the specified contract period.

SIGNATURE: .....

DATE: .....

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

NAME AND SURNAME OF SIGNATORY.....

## **FORM E: EXPERIENCE OF THE TENDERER**

The following is a statement of work of similar nature recently successfully executed by myself / ourselves:

[illegible]

***Please attach additional pages if more space is required***

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

DATE: .....

NAME AND SURNAME OF SIGNATORY.....



## **FORM F: KEY PERSONNEL**

The Tenderer must insert in the spaces provided below a list of the key personnel to be employed in the construction of the Works together with a resumé of their experience with particular reference to the construction of similar Works.

The Tenderer shall attach the curriculum vitae of the listed key personnel to the next page.

DESIGNATION	NAMES	PROJECT TYPE	VALUE OF WORK	YEAR COMPLETED

***Please attach additional pages if more space is required***

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

DATE: .....

NAME AND SURNAME OF SIGNATORY .....

## **CURRICULUM VITAE OF KEY PERSONNEL**

*[Curriculum Vitae of key personnel to be attached here]*

## **FORM G: CONTRACTOR'S HEALTH AND SAFETY DECLARATION**

In terms of Clause 5(1) of the OHSA 1993 Construction Regulations 2014 (referred to as "the Regulations" hereafter), a Contractor may only be appointed to perform construction work if the Employer is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act No 85 of 1993 and the OHSA 1993 Construction Regulations 2014.

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

### **Declaration by the 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), and the OHSA 1993 Construction Regulations 2014.
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the construction work under this contract in compliance with the Construction Regulations and the Employer's Health and Safety Specifications.

**Note:**

*Competent resources shall include safety personnel such as the construction manager, construction health and safety officer and construction supervisor as defined in Regulation 8, and competent persons as defined in the OHSA 1993 Construction Regulations 2014, as applicable to this contract*

3. I propose to achieve compliance with the Regulations by one of the following:
  - (a) From my own competent resources as detailed in 3(b) hereafter: ..... **\*Yes / No**
  - (b) Details of the competent and qualified key persons from my company's own resources, who will form part of the contract team:

<b>NAMES OF COMPETENT PERSONS</b>	<b>POSITIONS TO BE FILLED BY COMPETENT PERSONS</b>

**OR**

- (c) From my own resources still to be appointed or trained until competency is achieved, as detailed in 3(d) hereafter: ..... **\*Yes / No**
- (d) Details of training of persons from my company's own resources (or to be hired) who still have to be trained to achieve the necessary competency:
  - (i) By whom will training be provided? .....
  - (ii) When will training be undertaken? .....
  - (iii) List the positions to be filled by persons to be trained or hired: .....  
.....

**OR**

a) From outside sources by appointment of competent specialist subcontractors: ..... **\*Yes / No**  
(\* = delete whatever is not applicable)

b) Details of competent resources to be appointed as subcontractors if competent persons cannot be supplied from own company:

Name of proposed subcontractor: .....

Qualifications or details of competency of the subcontractor: .....

.....

.....

4. I hereby undertake, if my Quotation is accepted, to provide, before commencement of the works under the contract, a suitable and sufficiently documented Health and Safety Plan in accordance with Regulation 7(1)(a) of the Construction Regulations, which plan shall be subject to approval by the Employer.
5. I confirm that copies of my company's approved Health and Safety Plan, the Employer's Safety Specifications as well as the OHSA 1993 Construction Regulations 2014 will be provided on site and will at all times be available for inspection by the Contractor's personnel, the Employer's personnel, the Engineer, visitors, and officials and inspectors of the Department of Labour.
6. 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 OHSA 1993 Construction Regulations 2014, and that I will be liable for any penalties that may be applied in terms of the said Regulations (Regulation 33) for failure on the Contractor's part to comply with the provisions of the Act and the Regulations.
7. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer will mean that I am unable to comply with the requirements of the OHSA 1993 Construction Regulations 2014, and accept that my Quotation will be prejudiced and may be rejected at the discretion of the Employer.

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

DATE: .....

NAME AND SURNAME OF SIGNATORY .....

## **FORM H: PREFERENCING SCHEDULE: B-BBEE STATUS**

### Notes to Tenderer:

1. The Tenderer shall attach to this form a certified copy of a BEE Verification Certificate issued to the Tenderer in accordance with the Codes of Good Practice promulgated in Gazette 36928 on 11 October 2013, as amended, and the amended PPPFA 2017 regulations with effect from 1 April 2017.
2. In the event that the Tenderer is a Trust, Joint Venture (JV) or consortium, the Tenderer shall attach to this form a certified copy of a consolidated BEE Verification Certificate issued for the Trust, JV or consortium in accordance with the Codes of Good Practice promulgated in Gazette 36928 on 11 October 2013, as amended, and the amended PPPFA 2017 regulations with effect from 1 April 2017.
3. In the event that the Tenderer is an Exempted Micro Enterprise as defined in the Codes of Good Practice promulgated in Gazette 36928 on 11 October 2013, as amended, the Tenderer is required to submit with this tender a sworn affidavit certified by a Commissioner of Oaths or alternatively a certificate from the Companies and Intellectual Property Commission (CIPC), dated not earlier than 12 months prior to the closing date of the tender, confirming the following:
  - a. Annual Total Revenue of R10 million or less; and
  - b. Level of Black Ownership.
4. In the event that the Tenderer is a Qualifying Small Enterprise as defined in the Codes of Good Practice promulgated in Gazette 36928 on 11 October 2013, as amended, the Tenderer is required to submit with this tender a sworn affidavit certified by a Commissioner of Oaths, dated not earlier than 12 months prior to the closing date of the tender, confirming the following:
  - a. Annual Total Revenue of R50 million or less; and
  - b. Level of Black Ownership.

Tenderer are advised that any misrepresentation in the affidavits is a criminal offence. The Tenderer is therefore advised to obtain a BEE Verification Certificate from a B-BBEE verification professional as defined in the Broad-Based Black Economic Empowerment Amendment Act 46 of 2013.

## PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution.

**NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.**

### 1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- 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 The value of this bid is estimated to exceed/not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

	<b>POINTS</b>
<b>1.3.1.1 PRICE</b>	.....
<b>1.3.1.2 B-BBEE STATUS LEVEL OF CONTRIBUTION</b>	.....
<b>Total points for Price and B-BBEE must not exceed</b>	<b>100</b>

1.4 Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

### 2. DEFINITIONS

2.1 **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;

2.2 **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

- 2.3 **“B-BBEE status level of contributor”** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.4 **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- 2.5 **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.6 **“comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- 2.7 **“consortium or joint venture”** 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;
- 2.8 **“contract”**Error! Bookmark not defined. means the agreement that results from the acceptance of a bid by an organ of state;
- 2.9 **“EME”** means any enterprise with an annual total revenue of R5 million or less.
- 2.10 **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 **“functionality”** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 **“non-firm prices”** means all prices other than “firm” prices;
- 2.13 **“person”** includes a juristic person;
- 2.14 **“rand value”** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.15 **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.16 **“total revenue”** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- 2.17 **“trust”** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.18 **“trustee”** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

### **3. ADJUDICATION USING A POINT SYSTEM**

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.

- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects; the award shall be decided by the drawing of lots.

#### 4. POINTS AWARDED FOR PRICE

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

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

$$P_s = 80 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

$P_s$  = Points scored for comparative price of bid under consideration  
 $P_t$  = Comparative price of bid under consideration  
 $P_{\min}$  = Comparative price of lowest acceptable bid

#### 5. Points awarded for B-BBEE Status Level of Contribution

- 5.1 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	8	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 Bidders who qualify as EMEs in terms of the B-BBEE Act must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA's approval for the purpose of conducting verification and issuing EMEs with B-BBEE Status Level Certificates.
- 5.3 Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.6 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.



- 5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

## 6. BID DECLARATION

- 6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

## 7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1

- 7.1 B-BBEE Status Level of Contribution: ..... = ..... (maximum of 20 points)

**(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or an Accounting Officer as contemplated in the CCA).**

## 8 SUB-CONTRACTING

- 8.1 Will any portion of the contract be sub-contracted? YES / NO (delete which is not applicable)

- 8.1.1 If yes, indicate:

- (i) what percentage of the contract will be subcontracted? .....%
- (ii) the name of the sub-contractor? .....
- (iii) the B-BBEE status level of the sub-contractor? .....
- (iv) whether the sub-contractor is an EME? YES / NO (delete which is not applicable)

## 9 DECLARATION WITH REGARD TO COMPANY/FIRM

- 9.1 Name of firm :

- 9.2 VAT registration number :

- 9.3 Company registration number :

- 9.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

- 9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

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

9.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

9.7 MUNICIPAL INFORMATION

Municipality where business is situated .....

Registered Account Number .....

Stand Number .....

9.8 TOTAL NUMBER OF YEARS THE COMPANY/FIRM HAS BEEN IN BUSINESS? .....

9.9 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 contribution indicated in paragraph 7 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 paragraph 7, 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 contribution 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;
  - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, 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:**

1. ....
2. ....

.....  
SIGNATURE(S) OF BIDDER(S)

DATE:.....

ADDRESS:.....

.....  
.....

## **DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS**

This Municipal Bidding Document (MBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011 and the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

### **1. General Conditions**

- 1.1. Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids referred to in paragraph 1.2 above, a two-stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

- x is the imported content in Rand  
y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as required in paragraph 4.1 below.

**The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.**

- 1.6. A bid may be disqualified if –

- (a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
- (b) the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

### **2. Definitions**

- 2.1. “**bid**” includes written price quotations, advertised competitive bids or proposals;
- 2.2. “**bid price**” price offered by the bidder, excluding value added tax (VAT);
- 2.3. “**contract**” means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4. “**designated sector**” means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local

production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;

- 2.5. **“duly sign”** means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility (close corporation, partnership or individual).
  - 2.6. **“imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour and intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
  - 2.7. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
  - 2.8. **“stipulated minimum threshold”** means that portion of local production and content as determined by the Department of Trade and Industry; and
  - 2.9. **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
3. **The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
Steel Products and Components for Construction	100%
Cement and Concrete Products	100%
IBR or Corrugated Roof Sheeting	100%
Concrete Palisade Fence	100%
Electrical Products	90%

4. Does any portion of the services, works or goods offered have any imported content?

(Tick applicable box)

YES		NO	
-----	--	----	--

- 4.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by the SARB for the specific currency at 12:00 on the date of advertisement of the bid.

*The relevant rates of exchange information is accessible on [www.reservebank.co.za](http://www.reservebank.co.za).*

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

5. Were the Local Content Declaration Templates (Annex C, D and E) audited and certified as correct?

(Tick applicable box)

YES		NO	
-----	--	----	--

5.1. If yes, provide the following particulars:

- (a) Full name of auditor: .....
- (b) Practice number: .....
- (c) Telephone and cell number: .....
- (d) Email address: .....

(Documentary proof regarding the declaration will, when required, be submitted to the satisfaction of the Accounting Officer / Accounting Authority)

6. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the Accounting Officer / Accounting Authority provide directives in this regard.

**LOCAL CONTENT DECLARATION**  
**(REFER TO ANNEX B OF SATS 1286:2011)**

**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

**IN RESPECT OF BID NO. ....**

**ISSUED BY:** (Procurement Authority / Name of Municipality / Municipal Entity):

.....

NB

1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on <http://www.thedti.gov.za/industrialdevelopment/ip.jsp>. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, ..... (full names),

do hereby declare, in my capacity as .....

of .....(name of bidder entity), the following:

(a) The facts contained herein are within my own personal knowledge.

(b) I have satisfied myself that

- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (ii) the declaration templates have been audited and certified to be correct.

(c) The local content percentages (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C;

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

**If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.**

(d) I accept that the Procurement Authority / Municipality /Municipal Entity has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

(e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Municipal / Municipal Entity imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

***[Failure of a Tenderer to sign and to fill this form will invalidate the Tender]***

## Annex C

## Local Content Declaration - Summary Schedule

(C1) Tender No.  
 (C2) Tender description:  
 (C3) Designated product(s)  
 (C4) Tender Authority:  
 (C5) Tendering Entity name:  
 (C6) Tender Exchange Rate:  
 (C7) Specified local content %

Note: VAT to be excluded from all calculations

Pula  EU  GBP

## Calculation of local content

## Tender summary

Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)	Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)	(C16)	(C17)	(C18)	(C19)

(C20) Total tender value

Signature of tenderer from Annex B

(C21) Total Exempt imported content

(C22) Total Tender value net of exempt imported content

(C23) Total Imported content

(C24) Total local content

(C25) Average local content % of tender

Date:

## **FORM I: CONTRACT PARTICIPATION GOALS FOR TARGETING ENTERPRISES AND LABOUR THROUGH CONSTRUCTION WORKS CONTRACTS**

The successful Tenderer will be required to subcontract 30% of the net value of the Contract as set out by the Standard for Contract Participation Goals for Targeting Enterprises and Labour established in terms of Sections 5(2) of the Construction Industry Development Board Act, 2000 (Act No.38 of 2000) (the Act).

The target areas shall be restricted to the following geographic areas in particular order:

- a) Ward 4, and
- b) UPhongolo Local Municipality.

The Tenderer shall be required to participate in job creation (employment of local labour) by executing various portions of the Works using local labour, recruited through a process as agreed with uPhongolo Municipality.

The creation of one job shall mean the employment, for any period of time, of one unskilled laborer from the local community who is a South African Citizen with his/her own unique South African identity document. Proof of citizenship may be audited during the contract period.

In order for an offer to be considered responsive, the Contractor shall complete the table below by indicating the minimum number of jobs that he/she intends to create in terms of job creation participation during the contract period, and this number shall not be less than the minimum stated in the table.

### **CONTRACTOR'S DECLARATION WITH RESPECT TO PARTICIPATION IN JOB CREATION USING LOCAL LABOUR:**

I/We hereby Quotation to participate in job creation through the employment of local labourby creating the following number of jobs using unskilled labour recruited from the local community:

<b>Labour category</b>	<b>Minimum number of jobs to be created</b>	<b>Contractor's number of jobs to be created</b>
Unskilled labour	20 (Twenty)	
Youth	50%	
Women	50%	
Disability	2%	

The undersigned, who warrants that he/she is duly authorized to do so, on behalf of the Tenderer, confirms that he/she understands the conditions for such participation and confirms that the tender satisfies the conditions for participation in job creation through the employment of local labour.

Name and Surname: .....

Duly authorized to sign on behalf of:.....

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

DATE: .....



**FORM J: CONFIRMATION OF REGISTRATION WITH THE CENTRAL SUPPLIER DATABASE**

The Tenderer shall attach to this form Confirmation of Registration with the National Treasury's Central Supplier Database

**PLEASE NOTE THE FULL DOCUMENT IS TO BE ATTACHED NOT JUST THE FRONT PAGE**

***[Failure of a Tenderer to attach the document to this form will invalidate the Tender]***

## **FORM K: RECORD OF ADDENDA TO QUOTATION DOCUMENTS**

I / We confirm that the following communications received from the Employer or his representative before the date of submission of this tender offer, amending the tender documents, have been taken into account in this tender offer and are attached hereto.

ITEM NO.	ADDENDUM No.	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

***Please attach all Addenda to this page and record in table above (COMPULSORY)***

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

DATE: .....

NAME AND SURNAME: .....

## **FORM L: PROOF OF ADDRESS**

The Tenderer shall attach to this form a Confirmation of address within Zululand District.

The Respondent shall attach to this form a lease agreement or utility bill reflecting proof of address not in arrears for more than 90 days.

***[Failure of a Tenderer to provide any of the above will invalidate the Tender]***

## **FORM M: TAX CLEARANCE STATUS**

The Tenderer shall attach to this form Tax Compliance Status with the South African Revenue Service (SARS).

***[Failure of a Tenderer to attach the Tax Clearance Certificate or Compliance Status to this form will invalidate the Tender]***

## **FORM N: CIDB REGISTRATION**

The Respondent shall attach to this form proof its registration with CIDB.

***[Failure of a Tenderer to attach the CIDB registration to this form will invalidate the Tender]***

## **FORM O: LETTER OF GOOD STANDING**

The Tenderer shall attach to this form a valid Letter of Good Standing.

## **FORM P: PRELIMINARY 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 Contract. The programme shall be in accordance with the information supplied in the Contract, requirements of the Project Specifications and with all other aspects of his Tender.

### **PROGRAMME**

<b>ACTIVITY</b>	<b>WEEKS / MONTHS</b>													

***[Note: The programme must be based on the completion time as specified in the Contract Data.]***

## DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state<sup>1</sup>, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

- the bidder is employed by the state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

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

2.1 Full Name of bidder or his or her representative: .....

2.2 Identity Number: .....

2.3 Position occupied in the Company (director, trustee, shareholder<sup>2</sup>): .....

2.4 Company Registration Number: .....

2.5 Tax Reference Number: .....

2.6 VAT Registration Number: .....

2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

2.7 Are you or any person connected with the bidder YES / NO  
presently employed by the state?

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member: .....

Name of state institution at which you or the person  
connected to the bidder is employed: .....

Position occupied in the state institution: .....

Any other particulars:

.....

.....

.....

<sup>1</sup>"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

<sup>2</sup>"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.



2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? **YES / NO**

2.7.2.1 If yes, did you attach proof of such authority to the bid document? **YES / NO**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....  
.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:

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

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

2.9.1 If so, furnish particulars.

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

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? **YES/NO**

2.10.1 If so, furnish particulars.

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

2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? **YES/NO**

2.11.1 If so, furnish particulars:

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

**3 Full details of directors / trustees / members / shareholders.**

Full Name	Identity Number	Personal Tax Reference Number	State Employee Number / Persal Number

**4 DECLARATION**

I, the undersigned (full name) .....certify that the information furnished on this declaration form is 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 .....

Name and Surname.....

Position.....

Enterprise Name.....

***[Failure of a Tenderer to sign this MBD 4 form will invalidate the Tender]***

**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	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?  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.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	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)? <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>	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 outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		

4.4	Was any contract between the bidder and any 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"/>
4.4.1	If so, furnish particulars:		

I, the undersigned (full name) .....certify that the information furnished on this declaration form is 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 .....

Name and Surname.....

Position.....

Enterprise Name.....

***[Failure of a Tenderer to sign this MBD 8 form will invalidate the Tender]***

## **CERTIFICATE OF INDEPENDENT BID DETERMINATION**

- 1 This Standard Bidding Document (SBD) 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 *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
  - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
  - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD 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 (SBD 9) must be completed and submitted with the bid:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

## 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 Institution)

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.
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.

<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.

**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

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 .....

Name and Surname.....

Position.....

Enterprise Name.....

***[Failure of a Tenderer to sign this MBD 9 form will invalidate the Tender]***

## **C1: AGREEMENTS AND CONTRACT DATA**

### **C1.1 FORM OF OFFER AND ACCEPTANCE**

#### **A. OFFER**

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

#### **CONTRACT No. 592/07/22: CONSTRUCTION OF KWATHENGIZWE SPORTS COMPLEX WARD 4**

The Tenderer, identified in the Offer signature block below, has examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

The offered total of the prices carried forward from the Summary of the Bill of Quantities is:

R..... (in figures)

VAT Registration No. .... (if the contractor is a VAT VENDOR). If not a VAT vendor, please do not claim VAT in the total Quotation Offer.

#### **Amount in words**

.....  
.....

<b>Name and Surname:</b> <b>Date:</b> <i>(of person authorised to sign the Quotation)</i>	<b>Signature:</b>
<b>Name of Witness:</b> <b>Date:</b>	<b>Signature of Witness:</b>
<b>[Failure of a Tenderer to sign this form will invalidate the quotation.]</b>	
<b>Address of Organization (Enterprise):</b> ..... .....	
<b>Telephone No. .... Fax No. ....</b>	

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

***[Failure of a Tenderer to sign this form will invalidate the Tender]***



## B. ACCEPTANCE

By signing this part of the 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 1 Agreements and Contract Data (which includes this Agreement)
- Part 2 Pricing Data, including the Schedule of Quantities
- Part 3 Scope of Work
- Part 4 Site Information

and the schedules, forms, drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Quotation 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, which must be duly signed by the authorised representatives of both parties.

The Tenderer shall deliver the Guarantee in terms of Clause 6.2.1 of the General Conditions of Contract 2015 within the period stated in the Contract Data, and he shall, immediately 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) to arrange the delivery of any other bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data, within 14 days of the date on which this Agreement comes into effect. 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 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:** .....

**Name and Surname:** *(in capitals)* .....

**Capacity:** .....

**Name of Employer (Organization)** .....

**Address:** .....

.....

**Witness:**

**Signature:** ..... **Name and Surname:** .....

**Date:** .....

## C. SCHEDULE OF DEVIATIONS

The extent of deviations from the Quotation documents issued by the Employer prior to the Quotation closing date is limited to those permitted in terms of the Tender Data and the Conditions of Quotation.

A Tenderer's covering letter will not necessarily be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreement reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.

Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the Quotation documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.

Any change or addition to the Quotation documents arising from the above agreement and recorded here shall also be incorporated into the final draft of the Contract.

1. **Subject:** .....  
**Details:** .....  
.....
2. **Subject:** .....  
**Details:** .....  
.....
3. **Subject:** .....  
**Details:** .....  
.....
4. **Subject:** .....  
**Details:** .....  
.....
5. **Subject:** .....  
**Details:** .....  
.....
6. **Subject:** .....  
**Details:** .....  
.....

By the duly authorised representatives signing this Schedule of Deviations, 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 Quotation Schedules, as well as any confirmation, clarification or change 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 Quotation 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.

**FOR THE TENDERER:**

**Signature:** .....

**Name and Surname:** .....

**Capacity:** .....

**Tenderer:** *(Name and address of organization)* .....

.....

**Witness:**

**Signature:** .....

**Name and Surname:** .....

**Date:** .....

**FOR THE EMPLOYER:**

**Signature:** .....

**Name and Surname:** .....

**Capacity:** .....

**Employer:** *(Name and address of Organization)* .....

.....

.....

**Witness:**

**Signature:** .....

**Name and Surname:** .....

**Date:** .....

## **C1.2 CONDITIONS OF CONTRACT AND CONTRACT DATA**

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 (abbreviated title: "GCC 2015").

### **C1.2 CONTRACT DATA**

#### **PART A: DATA PROVIDED BY THE EMPLOYER**

The following contract specific data is applicable to this contract.

<b>REFERENCE</b>	<b>CONTRACT SPECIFIC DATA PROVIDED BY THE EMPLOYER</b>
<b>1.</b> Clause 1.1.1.14: Clause 1.1.1.26: Clause 1.1.1.15: Clause 1.2.1.2:	<b>GENERAL</b> The time for achieving Practical Completion is <u>6 months</u> from the Commencement Date, including non-working days and special non-working days. Pricing Strategy: The Tender is a re-measurement contract. <b>Name of Employer:</b> UPhongolo Local Municipality <b>Address of Employer:</b> <div style="display: flex; justify-content: space-between;"> <div> <b>Physical:</b>            61 Martin Street            Pongola            3170         </div> <div> <b>Postal:</b>            P.O. Box 191            Pongola            3170         </div> </div> Telephone No: (034) 413 1223 Fax: (034) 413 1706 Email: mbalis@uphongolo.gov.za
<b>5.</b> Clause 5.3.1: Clause 5.3.2:	<b>TIME AND RELATED MATTERS</b> The Tenderer shall commence executing the Works within 14 days of the Commencement Date. The documents required before commencement with Works execution are: <ul style="list-style-type: none"> <li>• Health and Safety Plan (Refer to Clause 4.3)</li> <li>• Initial Programme (Refer to Clause 5.6)</li> <li>• Insurance (Refer to Clause 8.6)</li> <li>• Form C1.4 'Agreement in terms of Section 37(2) of the Occupational Health and Safety Act No. 85 of 1993' to be signed by the Contractor and the Employer (refer to Clause 4.3 of the GCC 2015 and to paragraph E9. CONTRACTOR'S RESPONSIBILITIES in Part E of C3.3 Particular Specifications in the project specifications)</li> </ul> The abovementioned documentation required before commencement with Works execution is to be submitted within 7 days of the Commencement Date.
Clause 5.8.1	The non-working days are Sundays. The special non-working days are the construction industry year end break and the following statutory public holidays as declared by National Government: <div style="text-align: center;">             New Year's Day, Human Rights Day, Good Friday, Family Day, Freedom Day,              Workers' Day, Youth Day, National Women's Day, Heritage Day, Day of              Reconciliation, Christmas Day and the Day of Goodwill.           </div> The construction industry year-end break commences on the first working day after 23 December and ends on the first working day after 9 January of the following year.
Clause 5.13.1	The penalty for failing to complete the Works is 0.1% of the Contract Sum per day

REFERENCE	CONTRACT SPECIFIC DATA PROVIDED BY THE EMPLOYER
Clause 5.16.3	The latent defects period is 12 months.
<b>6.</b>	<b>PAYMENT AND RELATED MATTERS</b>
Clause 6.2.1:	The security to be provided by the Contractor shall be: Fixed Performance Guarantee of 10% of the accepted Contract Sum up to R250 000
Clause 6.5.1.2.3:	The percentage allowance to cover overhead charges shall not exceed 15%.
Clause 6.8.2:	Contract Price Adjustment is not applicable on this contract.
Clause 6.10.1.5:	The percentage advance on materials not yet built into the Permanent Works is 80%.
Clause 6.10.3:	The percentage retention on the amounts due to the Contractor is 10% which shall be payable after the contractor has paid all his/her labour and suppliers. A retention guarantee in lieu of a cash retention is permitted.
<b>8.</b>	<b>RISKS AND RELATED MATTERS</b>
Clause 8.6.1.1.2:	The value of materials supplied by the Employer to be included in the insurance sum is Nil.
Clause 8.6.1.1.3:	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is Nil.
Clause 8.6.1.2:	Special Risks Insurance issued by SASRIA is required.
Clause 8.6.1.3:	The limit of indemnity for liability insurance is R 1 000 000.00 (One million Rand only) for any single liability claim. Liability insurance shall include spread of fire risk.
<b>10.</b>	<b>CLAIMS AND DISPUTES</b>
Clause 10.4.2, 10.7.1:	Failing Amicable Settlement, unresolved Disputes shall be referred to Adjudication.

## PART B: DATA PROVIDED BY THE TENDERER

The following contract specific data are applicable to this quotation.

REFERENCE	CONTRACT SPECIFIC DATA PROVIDED BY THE TENDERER										
<b>1.</b>	<b>GENERAL</b>										
Clause 1.1.1.9:	<b>Name of the Contractor:</b> .....										
Clause 1.2.1.2:	<b>Address of the Contractor:</b> <table><tr><td><u>Physical:</u></td><td><u>Postal:</u></td></tr><tr><td>.....</td><td>.....</td></tr><tr><td>.....</td><td>.....</td></tr><tr><td>.....</td><td>.....</td></tr><tr><td>.....</td><td>.....</td></tr></table>	<u>Physical:</u>	<u>Postal:</u>	.....	.....	.....	.....	.....	.....	.....	.....
<u>Physical:</u>	<u>Postal:</u>										
.....	.....										
.....	.....										
.....	.....										
.....	.....										

## **C2 PRICING DATA**

### **C2.1 PRICING INSTRUCTIONS**

#### **1. GENERAL**

The Schedule of Quantities forms part of the Contract Documents and must be read and priced in conjunction with all the other documents comprising the Contract Documents, which include the Conditions of the Bid, Conditions of Contract, the Specifications (including the Project Specifications) and the Drawings.

#### **2. DESCRIPTION OF ITEMS IN THE SCHEDULE**

The Schedule of Quantities has been drawn up generally in accordance with the relevant provisions of the SANS 1200 Standardized Specification for Civil Engineering Works published by the South African Bureau of Standards.

The short descriptions of the items in the Schedule of Quantities are for identification purposes only and the measurement and payment clause of the SANS 1200 Standardized Specification for Civil Engineering Works and the Particular Specifications, read together with the relevant clauses of the amendments and additions contained in the Project Specifications and directives on the drawings, set out what ancillary or associated work and activities are included in the rates for the operations specified.

For the purposes of this Schedule 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 specifications.
Quantity:	The number of units of work for each item.
Rate:	The payment per unit of measurement at which the Tenderer quotes to do the Work.
Amount:	The product of the quantity and the rate quoted for an item.
Lump Sum:	An amount quoted for an item, the extent of which is described in the Schedule of Quantities, the specifications or elsewhere but the quantity of work of which is not measured in any units.

#### **3. QUANTITIES REFLECTED IN THE SCHEDULE**

The quantities given in the Schedule of Quantities are estimates only, and are subject to re-measure during the execution of the work. The quantities finally accepted and certified for payment, and not the quantities given in the Schedule of Quantities, shall be used to determine payments to the Contractors. The Contractor shall obtain the Engineer's detailed instructions for all work before or executing work or making arrangements for it.

The quantities of material or work stated in the Schedule of Quantities shall not be regarded as authorization for the Contractor to execute work.

The Works as finally completed in accordance with the Contract shall be measured and paid for as specified in the Schedule of Quantities and in accordance with the General and Special Conditions of Contract, the SANS 1200 Standardized Specification for Civil Engineering Works, the Project Specifications and the Drawings.

Unless otherwise stated, items are measured net in accordance with the Drawings, and no allowance has been made for waste. The validity of the contract will in no way be affected by differences between the quantities in the Schedule of Quantities and the quantities finally certified for payment.

#### **4. PROVISIONAL SUMS**

Where Provisional Sums or Prime Cost sums are provided for items in the Schedule of Quantities, payment for the work done under such items will be made in accordance with Clause 6.6 of the General Conditions of Contract 2015. The Employer reserves the right, during the execution of the

works, to adjust the stated amounts upwards or downwards according to the work actually done under the item, or the item may be omitted altogether, without affecting the validity of the Contract. The Tenderer shall not under any circumstances whatsoever delete or amend any of the sums inserted by the Employer in the "Amount" column of the Schedule of Quantities and in the Summary of the Schedule of Quantities unless ordered or authorised in writing by the Employer before closure of bids. Any unauthorized changes made by the Tenderer to provisional items in the schedule, or to the provisional percentages and sums in the Summary of the Schedule of Quantities, will be treated as arithmetical errors.

## **5. PRICING OF THE SCHEDULE OF QUANTITIES**

The prices and rates to be inserted by the Tenderer in the Schedule of Quantities shall be the full inclusive prices to be paid by the Employer for the work described under the several items, and shall include full compensation for all costs and expenses that may be required in and for the completion and maintenance during the defects liability period of all the work described and as shown on the drawings as well as all overheads, profits, incidentals and the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the quotation is based.

Each item shall be priced and extended to the "Amount" column by the Tenderer with the exception of the items for which only rates are required, or items which already have Prime Cost or Provisional Sums affixed thereto. If the Tenderer omits to price any items in the Schedule of Quantities, then these items will be considered to have a nil rate or price.

All items for which terminology such as "inclusive" or "not applicable" have been added by the Tenderer will be regarded as having a nil rate which shall be valid irrespective of any change in quantities during the execution of the Contract.

Should the Tenderer group a number of items together and quote one lump sum for such group of items, this single lump sum shall apply to that group of items and not to each individual item.

The quoted lump sums and rates shall be valid irrespective of any change in the quantities during the execution of the contract.

Reasonable compensation will be received where no payment item appears in respect of work required in terms of the Contract which is not covered in any other pay item.

All rates and amounts quoted in the Schedule of Quantities shall be in Rands and cents and shall include all levies and taxes (other than VAT). VAT will be added in the summary of the Schedule of Quantities. Note that fractions of a cent in all rates shall be discounted.

## **6. CORRECTION OF ENTRIES**

Incorrect entries shall not be erased or obliterated with correction fluid but must be crossed out neatly. The correct figures must be entered above or adjacent to the deleted entry, and the alteration must be initialed by the Tenderer.

## **7. INTERIM PAYMENTS**

Unless otherwise specified, progress payments in Interim Certificates, referred to in Clause 6.10.1 of the General Conditions of Contract 2015, in respect of "sum" items in the Schedule of Quantities shall be by means of interim progress installments assessed by the Engineer and based on the measure in which the work actually carried out relates to the extent of the work to be done by the Contractor.

Notwithstanding any custom to the contrary, the work as executed will be measured for payment in accordance with the methods described in the contract documents under the various items of payment.



## 8. UNITS OF MEASUREMENT

The units of measurement described in the Schedule of Quantities are metric units. The following abbreviations are used in the Schedule of Quantities.

mm	= millimetre	m <sup>3</sup> -km	= cubic metre-kilometre	Prov Sum	= provisional sum
m	= metre	l	= litre	kPa	= kilopascal
km	= kilometre	kl	= kilolitre	MPa	= megapascal
km-pass	= kilometre-pass	kg	= kilogram	MN	= meganewton
m <sup>2</sup>	= squaremetre	t	= tonne (1 000 kg)	t-km	= tonne-kilometre
m <sup>2</sup> -pass	= square metre-pass	No.	= number	hr	= hour
ha	= hectare	%	= percent	dia	= diameter
m <sup>3</sup>	= cubicmetre	PC sum	= prime cost sum	Sum	= lump sum
kW	= kilowatt	MN-m	= meganewton-metre		

## 9. CONSISTENCY OF RATES

In order to ensure that payments certified by the Engineer are reasonably consistent with the market value of the work done, and that variations in quantities do not distort the contract valuation, the rates, prices and amounts quoted in the Schedule of Quantities are required to be in balance.

A bid will be considered out of balance if:

*the rates, prices or amounts quoted for any other items differ by more than 20 (twenty) percent from either the next highest or next lowest rates, prices or amounts quoted or else from the latest Employer's estimates.*

Any such unbalanced Quotation may be rejected.

## C2.2. SCHEDULE OF QUANTITIES

<u>TABLE OF CONTENTS</u>	<b>Page</b>
SCHEDULE OF QUANTITIES .....	65-92
TENDER SUMMARY .....	93

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
	<b>SABS 1200 A</b>	<b>SECTION 1: PRELIMINARY AND GENERAL</b>				
	<b>8.3</b>	<b>FIXED CHARGE ITEMS</b>				
1.1		Contractual Requirements	Sum	1		
1.2	8.3.1	Establish Facilities on Site:				
1.2.1		Facilities for Engineer:				
		i) Supply and erect name board on site	Sum	1		
		ii) Office for the Engineer's Representative including six chairs and one conference desk	Sum	1		
1.3	8.3.2	Facilities for Contractor				
		(a) Office and Storage Sheds	Sum	1		
		(d) Living Accommodation	Sum	1		
		(e) Ablution & Latrine Facilities	Sum	1		
		(f) Tools & Equipment	Sum	1		
		(g) Water supply, electricity and communications	Sum	1		
		(h) Dealing with Water on Site	Sum	1		
		(i) Access to Site	Sum	1		
		(j) Plant	Sum	1		
1.4	8.3.3	Other Fixed Charge Obligations ( <i>please specify</i> )				
		(a) Setting out of works	Sum	1		
		(b)				
	8.3.4	Remove Contractor's site establishment on completion	Sum	1		
1.5		Health and Safety				
		Fixed obligation for the preparation of risk assessments, safe work procedures, the project H&S file, the H&S plan and any other H&S matters that the contractor deems necessary (including compliance with COVID- 19 requirements)	Sum	1		
		<b>Section 1: Preliminary and General Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 1: Preliminary and General Brought Forward</b>				
	<b>8.4</b>	<b>TIME RELATED ITEMS</b>				
1.5	8.4.1	Contractual Requirements	month	6		
1.6	8.4.2.1	Facilities for Engineer				
1.6.2		Community Liaison Officer	Prov. Sum	1	30 000.00	30 000.00
1.6.3		In-service training student with S3 qualification to be selected by the Engineer (Minimum R750 per week)	Prov. Sum	1	30 000.00	30 000.00
1.6.4		Contractor's attendance, handling costs and charges on item 1.6.2 to 1.6.3	%	60 000.00		
1.7	8.4.2.2	Facilities for Contractor				
1.7.1	8.4.2	Operate & maintain facilities on site for the duration of the construction period	month	6		
1.7.2	8.4.3	Supervision for duration of Construction	month	6		
1.7.3	8.4.4	Company & Head Office Overhead Costs	month	6		
1.7.4		Appointment of an Environmental Control Officer	month	6		
1.7.5		Appointment of a Construction Health and Safety Officer	month	6		
1.8	8.8	Temporary Works				
1.8.1	8.8.5	Protect survey beacons, bench marks, plot boundary pegs and other reference pegs	month	6		
1.8.2	8.5 (a)	Allow sum for acceptance testing ordered by the engineer	Prov. Sum	1	20 000.00	20 000.00
1.8.3	8.5 (b)	Contractors attendance, handling costs and charges on item 1.8.2 above	%	20 000.00		
1.9		Other Items				
1.9.1		Environmental investigation for borehole	Prov. Sum	1	75 000.00	75 000.00
1.9.2		Contractors attendance, handling costs and charges on items 1.9.1 to 1.9.2	%	75 000.00		
		<b>Section 1: Preliminary and General Carried To Summary</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
<b>2.1</b>	<b>SABS 1200C</b>	<b>SECTION 2: CIVIL WORKS</b>				
		<b>SITE CLEARANCE</b>				
2.1.1	8.2.1	Clear and grub site of all trees, bushes and strubs girth not exceeding 500mm for soccer field, combo court ablution facilities, change rooms and parking	ha	2.0		
<b>2.2</b>	<b>SABS 1200D</b>	<b>EARTHWORKS</b>				
2.2.1	(a)	Excavate topsoil to stockpile for later use (nominal depth 150mm)	m <sup>3</sup>	2 700		
	(b)	Excavate topsoil to spoil at (nominal depth 150mm) - <i>rate to include haulage</i>	m <sup>3</sup>	900		
2.2.2	(a)	Cut to fill in all classes of materials on soccer field, combo court and building earthworks  <i>(Rate to include for benching, trimming, transporting to fill on sports fields or embankments to levels, slope and compaction to 93% of mod AASHTO density)</i>	m <sup>3</sup>	6 750		
	(b)	Cut to spoil in all materials to attain platform final level	m <sup>3</sup>	10 500		
	(c)	Import G7 material and fill to sportfield and platforms <i>(Rate to include for excavating, loading, hauling and filling embankments to a 1% slope and compaction in 150mm layers to 90% Mod Aashto for bottom layer, 93% for mid layer and 95% for top layer)</i>	m <sup>3</sup>	3 790		
	(d)	Extra over item 2.2.2 (a) & (b) for excavation in hard rock <i>(provisional)</i>	m <sup>3</sup>	750		
<b>2.3</b>	<b>SABS 1200 DM</b>	<b>DRAINAGE</b>				
	8.3.15 (a)	Construct a cut-off drain around sportfields size	m <sup>3</sup>	75		
	8.3.15 (b)	Pre-cast concrete stormwater channel	m	75		
	8.3.15 (c)	Construct sub-soil drain pipes. Rate should include Supply, deliver, excavate and laying of 110mm agriculture pipe	m	120		
<b>Section 2 : Civil Works Carried Forward</b>						

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 2 : Civil Works Brought Forward</b>				
<b>2.6</b>	<b>SABS 1200D</b>	<b>ROAD WORKS AND PARKING</b>				
2.6.1		Rip in-situ material to depth of 150mm, scarify, shape and re-compact to 93% of Mod AASHTO density. Treated with soil poison and weed killer i) Parking	m <sup>3</sup>	210		
2.6.2		Construct a G2 base from commercial source crushed stone and construct subbase compacted to 98% of Mod AASHTO density  i) 125mm thick in parking area	m <sup>3</sup>	160		
2.6.3	8.2.1a	Supply and lay precast concrete kerbing fig. 12 complete for access road, parking, combo court and running tracks	m	350		
	<b>SABS 1200NJ</b>	<b>CONCRETE INTERLOCKING BLOCK SURFACES</b>				
		80 mm concrete interlocking blocks pavers including 25mm compacted rivers and bedding material	m <sup>2</sup>	1260		
<b>2.7</b>	<b>SABS 1200D</b>	<b>TOPSOILING AND GRASSING</b>				
2.7.1		Import topsoil from stockpiles and place 100mm thick, spread, compact slightly and prepare surface for planting of grass.  i) Soccer field and embankments	m <sup>3</sup>	1200		
2.7.3		Maintenance from date subsequently to two (2) weeks after the full installation of lawn and watering. Maintenance shall include the watering, cutting and applying fertilizer to the grassed area	months	3		
<b>2.8</b>		<b>FENCING AND GATES</b>				
2.8.1		Supply and install complete 1.8m high prefabricated concrete palisade fencing with concrete constructed in between intermediate poles <i>(Rate to include for excavation into all materials, 20MPa concrete, backfill and dispose of surplus material)</i>	m	600		
		<b>Section 2 : Civil Works Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 2 : Civil Works Brought Forward</b>				
2.8.2		Supply all materials, manufacture and install 5m wide x 1.8m high galvanized steel main entrance gate complete with slide rail  <i>(Rate to include for all excavation, backfill, concrete work, steel brackets, bolts, nuts and washers)</i>	No.	1		
2.8.3		Supply all materials, manufacture and install 1.6m wide x 1.8m high galvanized steel  <i>(Rate to include for all excavation, backfill, concrete work, steel brackets, bolts, nuts and washers)</i>	No.	2		
<b>2.9</b>		<b>COMBO COURT</b>				
2.9.1	SABS 1200MF	Base Course layer				
8.3.1		Construct a 125mm G2 from commercial source crushed stone and construct subbase compacted to 98% of Mod AASHTO density	m <sup>3</sup>	85		
2.9.2	SABS 1200D	Sub-base Course Layer				
2.9.2.1		Import G5 quality gravel material and construct selected layer compacted to 93% Mod AASHTO density: <i>(Rate to include for royalties, excavation, loading, hauling, offloading, watering, spreading, shaping to levels and compacting)</i>				
		i) 150mm thick to combo court.	m <sup>3</sup>	85		
2.9.3	SABS 1200MH	Bituminous Surface Treatment:				
2.9.3.1		Prime coat using RT 1/4 quick dry tar prime to combo court at 0.7 lt/m <sup>2</sup>	m <sup>2</sup>	665		
2.9.3.2	8.5.4	Asphalt Surfacing:				
		Supply and lay 40 mm thick continuous graded fine asphalt mix to combo court and parking	m <sup>2</sup>	665		
2.9.3.3		Green acrylic surface <i>(Supply and apply one coat of 'resurfacer' before applying one coat of 'filler' and one coat of 'finisher' in that sequence)</i>	m <sup>2</sup>	665		
		<b>Section 2 : Civil Works Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 2 : Civil Works Brought Forward</b>				
2.9.3.4		Marking of court surface for volleyball, netball, tennis and basketball using retro-reflective paint	Sum	1		
2.9.4		Accessories				
2.9.4.1		Supply and install approved swivel 'Basketball-Netball' duo-goal posts including fitting into position	No.	2		
2.9.4.2		Approved 'Tennis' and 'Volleyball' netting and net posts including fitting into position	No	1		
2.9.5		Fencing around Combo-court: <i>(All must be welded and well secured to other posts and rails. Both through and butt sections should be of the same dimension as that post or rail for which attachment is proposed)</i>				
2.9.5.1		2mm gauge Green PVC coated diamond wire mesh fence installed to a fabric height of 3.6m	m	100		
2.9.5.2		40mm dia. top and bottom steel rail	m	100		
2.9.5.3		40mm dia. intermediate steel post	m	50		
2.9.5.4		50mm dia. corner and end post	m	20		
<b>2.10</b>		<b>SOCCER FIELD</b>				
2.10.1		Line Marking				
		Line marking with an approved line marking paint to soccer field	m	800		
2.10.3		Goal Posts				
		Manufacture, supply and install metal goal posts complete with approved netting including excavation and concrete work	No.	2		
		<b>Section 2 : Civil Works Carried to Summary</b>				



Item	Pay Ref	Description	Unit	Qty	Rate	Amount
<b>3.1</b>	<b>SABS 1200 DA</b>	<b>SECTION 3: CHANGEROOMS AND ABLUTION BLOCK</b>				
		<b>EARTHWORKS</b>				
3.1.1	8.3.2 (a)	Excavate for surface trenches not exc. 1.5m deep for wall foundations	m³	170		
3.1.2		Spread and level surplus excavated material as directed on site	m³	112		
3.1.3		Keep excavations free from water	Sum	1		
3.1.4		Risk of collapse to sides of excavation not excluding 2m deep	m²	112		
3.1.5		Rip, scarify and re-compact insitu layer under floors to 90% of mod AASHTO density	m²	200		
3.1.6		Ditto including shaping 1m width around	m²	90		
3.1.7		Filling to underside of slabs with G7 material from borrow pit in layers not exceeding 150mm and compact to 93% of Mod AASHTO density	m³	66		
3.1.8		Backfill and compact foundations	m³	39		
3.1.9		Spread and level surplus excavated material as directed on site	m³	32		
3.1.10		Extra over for hard rock	m³	10		
3.1.11		Extra over for boulders	m³	10		
3.1.12		Soil Poisoning to underside of slab and sides of excavations	m²	800		
<b>3.2</b>	<b>SABS 1200GA</b>	<b>CONCRETE</b>				
3.2.1	8.4.2	10 MPa blinding layer	m³	16		
3.2.2	8.4.3	25 MPa reinforced concrete in footings(reinforcement measured elsewhere.	m³	19		
3.2.3	8.4.3	Ditto in surface bed	m³	24		
3.2.4	8.4.3	Ditto in raft foundation	m³	40		
3.2.5	8.4.3	Ditto 100mm external 1.2m apron and walkway slab	m³	11		
<b>Section 3 : Changerooms and Ablution Block Carried Forward</b>						

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 3 : Changerooms and Ablution Block Brought Forward</b>				
3.2.7	8.4.3	Ditto for pit cover	m <sup>3</sup>	0.4		
3.2.8		Formwork:				
	8.2.2	Smooth formwork to edge of concrete not exceeding 300mm	m	56		
3.2.9		Reinforcement:				
	8.3.2 (a)	Mesh Reinforcement Ref 193 in apron/ v-drain	m <sup>2</sup>	450		
	8.3.2 (b)	Mesh Reinforcement Ref 245 in surface bed	m <sup>2</sup>	215		
3.2.10	8.3.1 (c)	Y12 reinforcing steel	kgs	1500		
<b>3.3</b>		<b>BRICKWORK</b>				
3.3.1		Foundations:				
		220mm brickwork in 'NFX' commons in class 1 mortar	m <sup>2</sup>	240		
3.3.2		Superstructure:				
3.3.2.1		220mm wall in 'NFP' commons in Class 1 mortar	m <sup>2</sup>	390		
3.3.2.2		110mm wall in 'NFP' commons in Class 1 mortar	m <sup>2</sup>	184		
3.3.2.3		Rough raking and cutting	m	39		
3.3.3		75mm brickforce	m	380		
3.3.4		150mm brickforce	m	2600		
3.3.5		Precast lintols 650mm long	No	32		
3.3.6		Precast lintols 1.2m long	No	4		
3.3.7		Precast lintols 1.5m long	No	12		
3.3.8		Precast lintols 2.4m long	No	2		
3.3.9		Facings:				
3.3.9.1		"Corobrik Montana Travertine" FBS face brick pointed with square recessed horizontal & vertical joints or similar approved:				
	(a)	Supply, deliver and construct on site	m <sup>2</sup>	274		
		<b>Section 3 : Changerooms and Ablution Block Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 3 : Cangerooms and Ablution Block Brought Forward</b>				
		(b) Extra over for facings in foundations	m <sup>2</sup>	28		
		(c) Extra over for faced brickwork in stretcher bond	m <sup>2</sup>	257		
		(d) Half brick wall pointed on both sides	m <sup>2</sup>	31		
		(e) Fair raking, cutting to walls	m	30		
		(f) Face brick on edge lintol pointed on soffit and end including window cills	m	58		
3.3.10		Two coats bag and brickseal to outer face of inner skin of brick wall	m <sup>2</sup>	487		
3.3.11		Form set of two openings in 220 mm wall for airbricks including external & internal air bricks	No	16		
<b>3.4</b>		<b>WATERPROOFING</b>				
3.4.1		375 micron brickgrip DPC under walls and cills	m	55		
3.4.2		250 micron gunplas USB green damp-proof membrane to floors	m <sup>2</sup>	135		
3.4.3		Silicone sealant around frames externally	m	69		
<b>3.5</b>		<b>CARPENTRY AND JOINERY</b>				
3.5.1		Roof Trusses:				
3.5.1.1		(a) Pre-fabricated roof trusses from approved suppliers: Supply and install at spacing 1.2m for span of 9500mm including bracing	Prov. Sum	1	200 000.00	200 000.00
		(b) Contractors attendance, handling costs and charges on item 3.49 (b) above	%	200 000.00		
3.5.1.2		38x114mm SA pine wall plates	m	58		
3.5.1.3		50x76mm V5 SA pine purlins fixed to trusses at maximum 1200mm centres	m	253		
3.5.2		Roof Coverings:				
3.5.2.1		0.58mm continuous 'Chromadek' roof sheeting including fixings	m <sup>2</sup>	248		
		<b>Section 3 : Changerooms and Ablution Block Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 3 : Changerooms and Ablution Block Brought Forward</b>				
3.5.2.2		Ancillaries to Roof Sheeting: 9x225mm FC facia board including jointing strips	m	20		
3.5.3		Doors:				
3.5.3.1		44mm Wrot Meranti framed ledged, braced and battened doors:				
		(a) Purpose made door size 813x1980mm	No	14		
3.5.3.2		Door Frames:				
		Wrot Meranti:				
		(a) 50x108mm rebated frame for internal doors	No	14		
3.5.4		Security Gate:				
		Supply and fit a galvanised steel security gates complete with discus lock and paint	No	11		
3.5.5		Alumium Windows:				
		Alumium windows including 4mm obscure glazing fitted into position including galvanised steel burglar guards, painted and latches, complete:				
		i) Type 5T 66	No	16		
		ii) Type 5T 99	No	9		
		iii) Type 5T 189	No	2		
3.5.6		Ironmongery:				
3.5.6.1		"Union" indicator bolts" CZ 80941SC	No	15		
3.5.6.2		100mm brass butts with nylon inserts	No	30		
3.5.6.3		"Union" wall mounted rubber door stop	No	15		
3.5.6.4		Plastic indicator plate size 150x150 mm	No	4		
3.5.6.5		Chromium plated thief-proof toilet roll holder	No	15		
		Aluminium Signage				
3.5.6.7		200 x 250mm Pressed aluminium signage with male, female and paraplegic symbols fixed to brickwork with hilti nail anchors	No	6		
		<b>Section 3 : Changerooms and Ablution Block Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 3 : Changerooms and Ablution Block Brought Forward</b>				
3.5.6.8		Pressed steel aluminium signage with letters written 'KITCHEN' 'OFFICE' 'FIRST AID ROOM' 'TOILET' 'CHANGE ROOMS' and 'STORE ROOM' fixed to brickwork or timber doors with hilti nail anchor	Item	1		
<b>3.6</b>		<b>PLUMBING &amp; DRAINAGE</b>				
3.6.1		Vaal "Flamingo" white vitreous china wash hand basin (Ref 7007) size 560x405mm complete with two Cobra 111-15 Star chromium plated pillar taps and bolted to wall	No	8		
3.6.2		Vaal "Lavatera" (Ref 705426) white vitreous china wall hung urinal size 385x600mm high with top inlet and bolted to wall with flush mechanism	No	1		
3.6.3		Vaal "Aguasave" white vitreous china low volume wash down WC (Ref 750151) with P or S trap, 6 litre SISO polypropylene cistern and double flap white plastic seat.	No	14		
3.6.4		Vaal "Protea" (Ref 750246) white vitreous china paraplegic low level wash down WC with P or S trap and matching 9 litre cistern complete with purpose-made chromium plated side flush lever mounted to wall and double flap white plastic seat.	No	2		
3.6.5		Satin polished Grade 304 stainless steel grab rails fixed to wall as per the manufacturer's recommendations	No	2		
3.6.7		32mm Diameter stainless steel grab rails 600mm long fixed at 45 degrees	No	2		
3.6.8		1200mm long 19mm diameter Towel rail with brackets	No	2		
3.6.9		Lockable toilet roll holder	No	15		
<b>3.7</b>		<b>WATER SUPPLY</b>				
3.7.1		25mm class 16 HDPE pipe	m	100		
3.7.2		15mm rough brass stopcock	No	1		
3.7.3		15mm Cobra pillar tap for sink	No	1		
3.7.4		Sanitary Plumbing				
		<b>Section 3 : Changerooms and Ablution Block Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 3 : Changerooms and Ablution Block Brought Forward</b>				
3.7.4.1		uPVC Pipes:				
		(a) 50mm pipes	m	47		
		(b) 110mm pipes	m	174		
3.7.4.2		Extra over uPVC pipes for fittings:				
		(a) 110mm ABC cleaning eye in end of pipe	No	3		
		(b) 50mm tee	No	1		
		(c) 50mm access junction	No	6		
		(d) 50mm access bend	No	7		
		(e) 110mm 90 deg long radius bend	No	2		
		(f) 110mm access junction	No	2		
3.7.4.3		Traps:				
		(a) Sink trap with plain grating and plug and chain	No	1		
		(b) Shower trap with plain grating	No	6		
3.7.4.5		uPVC Gulleys:				
		Dished gulley not exceeding 750mm deep	No	3		
3.7.4.6		Valve box:				
		200x450mm cast iron stopcock box including brick chamber below not exceeding 750mm deep internally	No	2		
3.7.4.7		Testing:				
		Allow for testing the plumbing and drainage installation	Item	1		
3.7.4.8		Sundries:				
		i) 4.5kg carbon dioxide fire extinguisher	No	7		
<b>3.8</b>		<b>PLASTERING</b>				
3.8.1		Screeds:				
		(a) Average 40mm 1:3 cement and sand screeds	m <sup>2</sup>	64		
		(b) Dress screed into floor outlets	No	8		
		<b>Section 3 : Changerooms and Ablution Block Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 3 : Changerooms and Ablution Block Brought Forward</b>				
3.8.2		Internal Plaster:				
	(a)	1:4 cement plaster to walls	m <sup>2</sup>	283		
	(b)	Ditto in narrow widths to window cills, etc	m <sup>2</sup>	12		
3.8.3		Rainwater Goods:				
		"DPI Plastics" "Rainflow" uPVC rainwater goods:				
	(a)	100mm dia half-rounded eaves gutters	m	62		
	(b)	Extra over eaves gutters for stopped end	No	8		
	(c)	Extra over eaves gutters for outlet for 75mm dia. pipe	No	4		
	(d)	75mm dia rainwater pipes	m	16		
	(e)	Extra over rainwater pipe for bend	No	4		
	(f)	5kl water tanks on stand as per drawing	No	2		
<b>3.9</b>		<b>PAINTING</b>				
3.9.1		Prime backs of timber frames not exceeding 150mm girth	m	80		
3.9.2		1 filler coat, 1 universal undercoat and 2 coats enamel				
	i)	Internal plastered walls.	m <sup>2</sup>	283		
3.9.3		Sand down and apply 2 coats polyurethane varnish:				
		Timber doors and frames	m <sup>2</sup>	64		
3.9.4		Prime nail heads, apply 1 undercoat and 2 coats PVA for:				
		Rhino board ceilings	m <sup>2</sup>	140		
<b>3.10</b>		<b>TILING</b>				
3.11.1		152x152x5mm white glazed ceramic tiles on brickwork in shower walls 2.1m high	m <sup>2</sup>	75		
3.11.2		300x300mm ceramic floor tiles supplied and delivered to site bedded on concrete and flush pointed with tinted waterproof compound including skirting on floors and landings	m <sup>2</sup>	150		
		<b>Section 3: Changerooms and Ablution Block Carried to Summary</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
	<b>SABS 1200 DA</b>	<b>SECTION 4: GRAND STAND SEATING</b>				
<b>4.1</b>		<b>EARTHWORKS</b>				
4.1.1	8.3.2 (a)	Excavate for surface trenches not exceeding 1m deep in wall foundations	m <sup>3</sup>	76		
4.1.2		Backfill and compact foundations	m <sup>3</sup>	45		
4.1.3		Spread, level and compact surplus excavated material as directed on site	m <sup>3</sup>	31		
4.1.4		Extra over for hard rock ( <i>provisional</i> )	m <sup>3</sup>	1		
4.1.5		Extra over for boulders ( <i>provisional</i> )	m <sup>3</sup>	1		
4.1.6		Excavate back for working space not exceeding 1.5m deep	m <sup>2</sup>	48		
4.1.7		Keep excavations free from water	Item	1		
<b>4.2</b>	<b>SABS 1200GA</b>	<b>CONCRETE</b>				
4.2.1	8.4.2	50mm thick 10Mpa blinding layer ( <i>provisional</i> )	m <sup>3</sup>	4		
4.2.2	8.4.3	250mm thick 25 Mpa mass concrete in footings	m <sup>3</sup>	55		
4.2.3		Reinforcement:				
	8.3.1 (b)	HT reinforcing steel	ton	3.5		
<b>4.3</b>		<b>BRICKWORK</b>				
4.3.1		Foundation:				
4.3.1.1		Supply, deliver and construct NFX brick in commons for one brick wall	m <sup>2</sup>	50		
4.3.1.2		Extra over for facing in foundation brickwork 'Corobrik' Montana Travertine FBS facebrick pointed with square recessed horizontal & vertical joints or similar	m <sup>2</sup>	10		
<b>Section 4 : Grand Stand Seating Carried Forward</b>						



Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 4 : Grand Stand Seating Brought Forward</b>				
4.3.2		Superstructure:				
4.3.2.1		Corobrik' Montana Travertine FBS facebrick pointed with square recessed horizontal & vertical joints or similar				
		i) Supply, deliver and construct 220 mm brick wall	m <sup>2</sup>	120		
4.3.2.2		150mm brickforce	m	750		
<b>4.4</b>		<b>WATERPROOFING</b>				
4.4.1		375 micron brickgrip DPC under walls	m <sup>2</sup>	10		
<b>4.5</b>		<b>PREFABRICATED SEATING</b>				
4.5.1		2070x575x120mm thick 25MPa prefabricated concrete seating including reinforcement	No	48		
4.5.2		Supply 2 layers malthoid between brickwork and concrete seating.	m <sup>2</sup>	25		
6.18		Supply and install 12mm softboard to seating	m <sup>2</sup>	7		
		<b>Section 4: Grand Stand Seating Carried to Summary</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
<b>5.1</b>	<b>SABS 1200 DA</b>	<b>SECTION 5: GUARD HOUSE / TICKET OFFICE</b>				
		<b>EARTHWORKS</b>				
5.1.1	8.3.2 (a)	Excavate for surface trenches not excluding 1m deep for wall foundations	m <sup>3</sup>	9		
5.1.2		Rip, scarify and recompact insitu layer under floors	m <sup>2</sup>	9		
5.1.3		Ditto including shaping to falls 1m width	m <sup>2</sup>	18		
5.1.4		Filling to underside of slabs with material from the excavations in layers not exceeding 150mm including compacting to 93% Mod AASHTO	m <sup>3</sup>	6		
5.1.5		Return fill and ram foundations	m <sup>3</sup>	5		
5.1.6		Spread and level surplus excavated material as directed on site	m <sup>3</sup>	5		
5.1.7		Extra over for hard rock ( <i>provisional</i> )	m <sup>3</sup>	1		
5.1.8		Extra over for boulders ( <i>provisional</i> )	m <sup>3</sup>	1		
5.1.9		Excavate back for working space not exceeding 1.5m deep	m <sup>2</sup>	8		
5.1.10		Keep excavations free from water	Item	1		
5.1.11		Soil Poisoning	m <sup>2</sup>	20		
<b>5.2</b>	<b>SABS 1200GA</b>	<b>CONCRETE</b>				
5.2.1	8.4.2	20 Mpa blinding layer ( <i>provisional</i> )	m <sup>3</sup>	1		
5.2.2	8.4.3	25 Mpa reinforced concrete in footings	m <sup>3</sup>	3		
5.2.3	8.4.3	Ditto in surface bed	m <sup>3</sup>	1		
5.2.4	8.4.3	Ditto in external apron slab and steps	m <sup>3</sup>	3		
5.2.5		Strike off and cure top surface of concrete to falls	m <sup>2</sup>	14		
5.2.6		Formwork				
5.2.6.1	8.2.2 (a)	Smooth formwork to edge of concrete not exceeding 300mm high	m	25		
		<b>Section 5 : Guard House / Ticket Office Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 5 : Guard House / Ticket Office Brought Forward</b>				
5.2.7		Reinforcement				
	8.3.1 (a)	Mesh Reinforcement Ref 193 in apron	m <sup>2</sup>	14		
	8.3.2 (b)	Mesh Reinforcement Ref 245 in surface bed	m <sup>2</sup>	6		
	8.3.3 (c)	High tensile steel reinforcing ( <i>provisional</i> )	kg	340		
5.2.8		Concrete Surface Finishes				
	8.4.4 (a)	Steel float finish to falls to step, slab and apron	m <sup>2</sup>	22		
<b>5.3</b>		<b>BRICKWORK</b>				
5.3.1		220mm brickwork in foundations in 'NFX' bricks in commons in Class 1 mortar	m <sup>2</sup>	4		
5.3.2		110mm wall in beam filling	m <sup>2</sup>	1		
5.3.3		Rough raking and cutting	m	2		
5.3.4		150mm brickforce	m	150		
5.3.5		Precast lintols 1.2m long	No	4		
5.3.6		Corobrik' Montana Travertine facebrick pointed with square recessed horizontal and vertical joints or similar approved:				
	i)	Construct 220mm brick wall	m <sup>2</sup>	44		
		Extra over for facings in foundations	m <sup>2</sup>	4		
5.3.7		Extra over for faced brickwork in stretcher bond	m <sup>2</sup>	42		
5.3.8		Fair, raking, cutting to walls	m	8		
5.3.9		Faced brick on edge lintol pointed on soffit and end including window cills	m	6		
5.3.10		Brick on edge coping 220mm wide	m	9		
5.3.11		Two coats bag and brickseal to outer face of inner skin of brick wall	m <sup>2</sup>	43		
		<b>Section 5 : Guard House / Ticket Office Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 5 : Guard House / Ticket Office Brought Forward</b>				
5.3.12		Form set of two openings in 220 mm wall for airbricks including external & internal air bricks	No	4		
5.3.13		Extra over for face brickwork in stretcher bond to entrance gate posts 330mm x 330mm complete with coping, 2.2m high.	No	2		
5.4		<b>WATERPROOFING</b>				
5.4.1		375 micron brickgrip DPC under walls and cills 250 micron gunplas USB green damp-proof	m	13.1		
5.4.2		250 micron gunplas USB green damp-proof membrane to floors	m <sup>2</sup>	10.65		
5.4.3		Silicone sealant around frames externally	m	18		
5.5		<b>CARPENTRY AND JOINERY</b>				
5.5.1		Roofing:				
5.5.1.1		Pre-fabricated roof trusses supplied by approved manufacturer including bracings	Prov. Sum	1	10 000.00	10 000.00
5.5.1.2		Contractors attendance, handling costs and charges on item 5.5.1.1 above	%	10 000.00		
5.5.1.3		38x114mm SA pine wall plates	m	5		
5.5.1.4		50x76mm SA pine purlins fixed to trusses at maximum 1200mm centres	m	19.2		
5.5.1.5		Chromadek undertile flashing with kick back and covertime flashing with kick back at gable to match color of roof sheeting	m	8		
5.5.1.6		30x1.2mm GHI roof tie 1.5m girth 'Chromadek' roof sheeting including fixings	No	8		
5.5.1.7		Single continuous roof sheeting 0.6mm thick including capping	m <sup>2</sup>	15		
5.5.2		Supply and fix ancillaries to roof sheeting:				
		9x225mm FC fascia board including jointing strips	m	5		
		<b>Section 5 : Guard House / Ticket Office Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 5 : Guard House / Ticket Office Brought Forward</b>				
5.5.3		Ceilings:				
5.5.3.1		6.4mm 'Rhino board' ceilings on and including 38x50mm brandering at 400mm centres including 10x40mm hardwood coverstrips	m <sup>2</sup>	6		
5.5.3.2		75mm Rhino cornice	m	9.6		
5.5.3.3		Ceiling trapdoor size 600x600mm	No	1		
5.5.4		Doors:				
5.5.4.1		44mm Wrot meranti framed ledged, braced and battened doors				
		Door size 813x2032mm stable door	No	2		
5.5.5		Door Frames:				
5.5.5.1		Galvanized steel frame for external doors	No	2		
<b>5.6</b>		<b>IRONMONGERY</b>				
5.6.1		Union 4 lever mortice lock set including furniture	No	2		
5.6.2		150mm brass barrel bolt	No	2		
5.6.3		"Union" wall mounted rubber door stop	No	2		
5.6.4		Galvanized steel window frames including burglar proofing, complete:				
		i) ND 2	No	2		
<b>5.7</b>		<b>PLASTERING</b>				
5.7.1		Screeds:				
		Average 50mm 1:3 cement and sand screeds laid to falls and finished smooth	m <sup>2</sup>	8		
5.7.2		Internal Plaster:				
5.7.2.1		1:4 cement plaster to walls	m <sup>2</sup>	40		
5.7.2.2		Ditto in narrow widths	m <sup>2</sup>	2		
5.7.3		3x30mm brass strip	m	2		
		<b>Section 5 : Guard House / Ticket Office Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 5 : Guard House / Ticket Office Brought Forward</b>				
<b>5.8</b>		<b>RAINWATER GOODS</b>				
5.8.1		"DPI Plastics" "Rainflow" uPVC rainwater goods				
5.8.2		100mm dia half-rounded eaves gutters	m	4.8		
5.8.3		Extra over eaves gutters for stopped end	No	4		
5.8.4		Extra over eaves gutters for outlet for 75mm dia pipe	No	2		
5.8.5		75mm dia rainwater pipes	m	6		
5.8.6		Extra over rainwater pipe for bend	No	4		
5.8.7		Extra over rainwater pipe for shoe	No	4		
<b>5.9</b>		<b>PAINTING</b>				
5.9.1		1 universal undercoat and 2 coats enamel to window- and steel door frames and lettering	Item	1		
5.9.2		1 filler coat, 1 universal undercoat and 2 coats enamel:  Internal plastered walls	m <sup>2</sup>	40		
5.9.3		Sand down and apply 2 coats polyurethane varnish:  Timber doors	m <sup>2</sup>	9		
5.9.4		Prime nail heads, apply 1 undercoat and 2 coats acrylic PVA:  Rhinoboard ceilings	m <sup>2</sup>	6		
<b>5.10</b>		<b>LETTERING</b>  KWATHENGIZWE SPORTS COMPLEX name in 200mm high lettering manufactured from 2.5mm thick GMS plate fixed to wall	Sum	1		
<b>5.11</b>		<b>GLAZING</b>				
5.11.1		4mm clear plate glass to windows ND2 including putty.	No	2		
		<b>Section 5 : Guard House / Ticket Office Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 5 : Guard House / Ticket Office Brought Forward</b>				
<b>5.12</b>		<b>SLIDING GATE AND FENCE BRICK COLUMNS</b>				
5.12.1		250mm thick 20Mpa foundation slab reinforced with Mesh Ref 395	m <sup>3</sup>	1		
5.12.2		Construct a 450x450x2100mm high brick column with 'Corobrik' Montana travertine FBS facebrick pointed with square recessed with brick force every course and DPC three course below top of column	No	2		
<b>5.13</b>		<b>ELECTRICAL</b>				
5.13.1		Supply, install and test complete all electrical light fittings, switches, plugs, distribution board into ticket office including all cabling from main supply point by qualified electrician:				
		i) Distribution board including cabling	No	1		
		ii) Light switch	No	2		
		iii) 15 Amp plug point	No	1		
		iv) 1.2m fluorescent light fitting	No	1		
		v) Day/Night switch	No	1		
		vi) 20W Outdoor LED flood light	No	1		
		<b>Section 5 : Guard House / Ticket Office Carried Forward to Summary</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
<b>6.2</b>		<b>SECTION 6 : LIGHTING AND SMALL POWER</b>				
		<b>LV RETICULATION</b>				
6.2.1		Draw Wires				
6.2.1.1		Supply and Installation of galvanized steel draw wires drawn into conduit, cable sleeves or wiring channel:				
		1mm <sup>2</sup> Galvanized draw wire	mm <sup>2</sup>	400		
6.2.2		Installation of cable sleeves:				
		Allow for the installation of 50mm diameter PVC cable sleeves	m	10		
<b>6.3</b>		<b>DISTRIBUTION BOARDS</b>				
6.3.1		Supply and install flush wall mounted distribution board, including everything necessary. <i>(The installation shall include the installation, connection, earthing and conduit terminations, but exclude cable terminations)</i>				
		(a) Distribution Board - DB-A 18 Way	No	1		
<b>6.4</b>		<b>CIRCUIT BREAKERS</b>				
6.4.1		Supply and instal the following SABS approved Circuit Breakers:				
6.4.2		CBI SA 1 DP Isolator - 60A	No	1		
6.4.3		CBI SA 1 Circuit Breaker 63 SP MCB-30A	No	2		
6.4.4		CBI SA 1 Circuit Breaker 63 SP MCB-20A	No	5		
6.4.5		CBI SA 1 Circuit Breaker 63 SP MCB-10A	No	4		
6.4.6		CBI SA 1 Surge Arrestor SP 6kA	No	2		
6.4.7		CBI Earth Leakage Relay SA 15A SP 60/63A	No	1		
		<b>Section 6 : Lighting and Small Power Carried Forward</b>				



Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 6 : Lighting and Small Power Brought Forward</b>				
<b>6.5</b>		<b>LUMINARIES</b>				
6.5.1		Supply, deliver, accept and store the following SABS approved luminaries, complete with lamps and accessories:				
6.5.1.1		1500mm, 2x58W Open Channel Fluorescent Luminaire	No	4		
6.5.1.2		1500mm, 1x58W Vapour Proof Fluorescent Luminaire	No	8		
6.5.1.3		2PL9 Round or Rectangular Bulkhead Luminaire.	No	15		
6.5.2		Supply and Install SABS Approved Switches				
6.5.2.1		16 Amp, 1 lever, 1 way, flush mounted switch complete with PVC box	No	9		
6.5.2.2		16 Amp, 3 lever, 1 way, flush mounted switch complete with PVC box	No	1		
<b>6.6</b>		<b>POWER SKIRTING</b>				
6.6.1		Supply and install 2 compartment 1 cover powerskirting SABS approved complete with bends and all other accessories.				
6.6.1.1		Two compartment power skirting plus cover.	m	15		
6.6.1.2		End Caps	No	4		
6.6.1.3		Elbows	No	2		
		<b>Section 6 : Lighting and Small Power Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 6 : Lighting and Small Power Brought Forward</b>				
<b>6.7</b>		<b>SOCKET OUTLETS</b>				
6.7.1		16 Amp flush mounted single switched socket outlet wall mounted complete with PVC box	No	1		
6.7.2		16 Amp flush mounted Single switched socket outlet fitted on Power Skirting	No	5		
6.7.3		16 Amp flush mounted Double switched socket outlet complete with PVC box	No	14		
6.7.4		RJ11 Telephone Outlet	No	5		
6.7.5		RJ45 Data Outlet	No	5		
6.7.6		16A, 1way standard dedicated switched socket outlet fitted on the power skirting	No	5		
<b>6.8</b>		<b>ISOLATORS</b>				
6.8.1		Supply and install flush or surface mounted Metal Clad Isolators in either 100x100x50mm, round box or wiring channel excluding box (for flush type) and conduit connections but including cover plate:				
		40 Amp DP Metal Clad Flush Isolator	No	2		
		<b>Section 6 : Lighting and Small Power Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 6 : Lighting and Small Power Brought Forward</b>				
<b>6.9</b>		<b>CONDUIT</b>				
6.9.1		Supply and instal PVC conduit including all accessories such as bends, elbows, couplings, screws, fisher plugs and saddles.				
6.9.1.1		20 mm Ø PVC conduit fixed to steel/timber roof structure	m	200		
6.9.1.2		20 mm Ø PVC conduit fixed onto common brick	m	200		
6.9.1.3		25 mm Ø PVC conduit fixed to steel/timber roof structure	m	30		
6.9.1.4		25 mm Ø PVC conduit fixed onto common brick	m	30		
6.9.1.5		32 mm Ø Galvanised Steel pipe	m	4		
<b>6.10</b>		<b>CONDUIT BOXES</b>				
6.10.1		Supply and Install PVC (not draw boxes)				
6.10.2		20mm round PVC conduit box c/w covers	No	50		
6.10.3		100x100x50mm PVC box and blank cover	No	20		
6.10.4		100x50x50mm PVC box and blank cover	No	15		
<b>6.11</b>		<b>CONDUCTORS (COPPER)</b>				
6.11.1		Supply and Install Single Wire Copper Conductors:				
		(a) 1.5 mm <sup>2</sup> red PVC insulated	m	400		
		(b) 1.5 mm <sup>2</sup> black PVC insulated	m	200		
		(c) 2.5 mm <sup>2</sup> red PVC insulated	m	300		
		(d) 2.5 mm <sup>2</sup> black PVC insulated	m	200		
		(e) 2.5 mm <sup>2</sup> yellow/green PVC insulated	m	500		
		(f) 6.0 mm <sup>2</sup> red PVC insulated	m	20		
		(g) 6.0 mm <sup>2</sup> black PVC insulated	m	20		
		(h) 10.0 mm <sup>2</sup> yellow/green PVC insulated	m	20		
		<b>Section 6 : Lighting and Small Power Carried Forward</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
		<b>Section 6 : Lighting and Small Power Brought Forward</b>				
<b>6.12</b>		<b>PHOTO ELECTRIC CELL</b>				
6.12.1		Supply and Install Type ZS 20A National photo electric cell or similar	No	1		
<b>6.13</b>		<b>EARTHING SYSTEM</b>				
6.13.1		Earth Spike:				
6.13.2		Supply and install 1.5m copper coated earth spike at every Distribution Board	No	1		
6.13.3		Supply and install 1.5m copper coated earth spike at all corners of the building	No	4		
<b>6.14</b>		<b>BONDING OF WATER MAINS</b>				
6.14.1		Bond the proposed water main to the adjacent down conductor. All water pipes, hand basins, sinks, baths, sheets, gutters and rain water pipes shall be bonded.	Sum	1		
<b>6.15</b>		<b>CABLE BONDING</b>				
6.15.1		All external earth wires and cable armouring from the incoming and outgoing cables will be properly crimped into cable lugs and bolted to their respective earth bars.	Sum	1		
<b>6.16</b>		<b>ESKOM CONNECTION</b>				
6.16.1		Application for ESKOM connections	Prov. Sum	1	65 000.00	65 000.00
6.16.2		Contractors attendance, handling costs and charges on items 6.16.1 above	%	65 000.00		
<b>6.16</b>		<b>TESTING AND COMMISSIONING</b>				
6.16.1		Test and commission the complete installation including the handing in of the test results and certificate of compliance to the Engineer	Sum	1		
		<b>Section 6 : Lighting and Small Power Carried Forward to Summary</b>				

Item	Pay Ref	Description	Unit	Qty	Rate	Amount
<b>7</b>		<b>PROVISIONAL SUMS</b>				
<b>7.1</b>		<b>GRASSING - LAWN</b>				
7.1.1		Supply and lay with the necessary fertilizer Cynodon instant lawn or Kikuyu or approved similar <i>(Rate to include for watering the grass for a period of two (2 weeks) after full installation of the lawn, everyday. The contractor shall make allowance on their rates for obtaining water from a water source)</i>	PC Sum	1	400 000.00	400 000.00
7.2.2		Contractors attendance, handling costs and charges on items 7.1.1	%	400 000.00		
<b>7.2</b>		<b>BOREHOLE INSTALLATION</b>				
7.2.1		Borehole construction including all preliminary investigations, supply and installations of all materials, drilling, platform construction and pump installation and positiing tank into platform and all necessary fittings	Prov. Sum	1	350 000.00	350 000.00
7.2.2		Contractors attendance, handling costs and charges on items 7.2.1 above	%	350 000.00		
<b>7.3</b>		<b>IRRIGATION SYSTEM INSTALLATION</b>				
7.3.1		Supply and install a pop up irrigation system as per Engineer's instruction	PC Sum	1	100 000.00	100 000.00
7.3.2		Contractors attendance, handling costs and charges on items 7.3.1	%	100 000.00		
<b>7.4</b>		<b>KITCHEN FITTINGS</b>				
7.4.1		Supply and install a fitted cupboard with granite top and sink as per Engineer's instruction	Prov. Sum	1	10 000.00	10 000.00
7.4.2		Contractors attendance, handling costs and charges on items 7.4.1 above	%	10 000.00		
<b>7.5</b>		<b>FIRST AID ROOM</b>				
7.5.1		Supply and fit single bed and first aid kit	Prov. Sum	1	5 000.00	5 000.00
		<b>Section 7 : Provisional Sums Carried Forward</b>				

[illegible]

**KWATHENGIZWE SPORTSFIELD WARD 4****TENDER NUMBER : 592/07/22****SUMMARY**

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
1	PRELIMINARY AND GENERAL	
2	CIVIL WORKS	
3	CHANGEROOMS AND ABLUTIONS	
4	GRAND STAND SEATING	
5	GUARD HOUSE / TICKET OFFICE	
6	LIGHTING AND SMALL POWER	
7	PROVISIONAL SUMS	
<b>A</b>	<b>SUB-TOTAL</b>	
	ADD: 10% CONTINGENCIES	
<b>B</b>	<b>SUB-TOTAL</b>	
	ADD: 15% VAT	
<b>C</b>	<b>TOTAL CARRIED TO FORM OF OFFER</b>	

## **C3 SCOPE OF WORK**

### **C3.1 STANDARDISED SPECIFICATIONS**

The standard specifications on which this contract is based are Standards South Africa's Standardized Specifications for Civil Engineering Construction SANS 1200.

Although not bound in nor issued with this Document, the following Sections of the Standardized Specifications of SANS 1200 shall form part of this Contract:

AA	1986	:	GENERAL
AB	1986	:	ENGINEER'S OFFICE
C	1980	:	SITE CLEARANCE (AS AMENDED 1982)
DA	1988	:	EARTHWORKS (SMALL WORKS)
G	1982	:	CONCRETE

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 SANS) in Pretoria.

SANS 1921 (2004)	:	CONSTRUCTION AND MANAGEMENT REQUIREMENTS FOR WORKS CONTRACTS
PART 1		GENERAL ENGINEERING AND CONSTRUCTION WORKS

### **C3.2 PROJECT SPECIFICATIONS**

The project specification is covered in the following sections:

<b>ITEM</b>	<b>DESCRIPTION</b>
	<b>PROJECT SPECIFICATION PORTION 1: GENERAL</b>
PS-1	Project Description
PS-2	Extent of the Works
PS-3	Description of the Site and Access
PS-4	Engineering Design
PS-5	Construction and Management Requirements
PS-6	Construction Programme
PS-7	Site Facilities Available
PS-8	Site Facilities Required
PS-9	Existing Services
PS-10	Occupational Health and Safety
PS-11	Adverse Weather Conditions
	<b>PROJECT SPECIFICATION PORTION 2</b>
PSA	General
PSD	Earthworks
PSG/PSGA	Concrete (Small Works)
PSLE	Stormwater Drainage
	<b>PARTICULAR SPECIFICATIONS</b>
PA	Brickwork and Plaster
PB	Carpentry, Joinery and Ironmongery
PC	Painting
	<b>REQUIREMENTS OF EPWP</b>



## PROJECT SPECIFICATION: PORTION 1

### SANS 1200 PS: GENERAL

#### PS-1 PROJECT DESCRIPTION

##### PS-1.1 Employer's Objective

UPhongolo Municipality consists of several Municipal Wards. The municipality has applied for and obtained funding from the Municipal Infrastructure Grant to provide community facilities in its various wards.

The project entails the construction of KwaThengizwe Sports Complex to service the community of Ward 4 in uPhongolo Municipality. The average monthly income is below the poverty datum and therefore the community is unable to erect a facility themselves.

The infrastructure will mostly be used by the youth and such will help them engage themselves in activities of appreciable level rather than loiter, do nothing and end up in activities of drug usage.

It is also expected that the sports field will have enough capacity to facilitate schools and communities' sports and other competitions games and gatherings.

Although the facility will mostly be used by the youth, as earlier stated, it comes as no surprise that the elderly people would also use it to keep fit thereby prolonging their life spans.

This project will provide a safe and secure structure which will look aesthetically pleasing, provide protection from the weather, as well as being in a close proximity of the surrounding communities. The construction of the sports complex will provide employment and skills transfer for a limited amount of local people during the construction period. This project has an undisputed social benefit which is immensely needed.

##### PS-1.2 Overview of the Works

The completed KwaThengizwe Sports Complex facility will be 2.25 hectares in area and will have the following features:

##### **Changerooms and Ablutions**

A reinforced strip foundation is to support 220mm thick concrete brick foundations. The superstructure walls will consist of a 110mm concrete brick internal skin and 110mm external facebrick finish. Internal wall finishes to include plaster and painting. Roofing will consist of IBR roof sheets fixed on timber purlins and ceiling boards for the interior of the building. Other finishes include ceramic floor tiles for the veranda, admin offices, first aid room and ablutions. Public ablution facilities will have an epoxy floor finish. Electrical tubing and wiring will be done as the area is serviced by Eskom.

##### **Palisade Fencing**

A 600m concrete palisade fence will be constructed on the perimeter of the sportsfield with spiral razor wire on top to provide anti-intrusion. A vehicular and pedestrian gate will be provided as an entrance that also includes a ticket office/guardhouse.

##### **Soccer Field**

Construction of a 120x90m soccer pitch with grass turf to include goal posts.

##### **Combo-court**

Construction of a basketball-tennis-volleyball-netball combination court according to Department of Sports and Recreation Standards.

### **Pavilion Seating**

4 units of 575x120mm precast concrete panels to be installed on face brickwork constructed next to the soccer field. Each unit will be 7m long with 4 seating rows.

### **Water Supply and Borehole Drilling**

Install a borehole to supply portable water and sanitation purposes and also for maintenance of the grass turf.

### **Paving and Access Road**

Construct paved parking using 80mm brick paving to provide public parking and construct a gravel access road to the sportsfield.

### **Septic Tank**

Provide sewer reticulation from the changerooms and public ablutions into a septic tank and soakaway pit.

## **PS-2 EXTENT OF THE WORKS**

Under this contract, the successful Tenderer will be required to undertake the following works:

- Setting out of the facility.
- Site clearing.
- Foundation earthworks.
- Structural concrete works to foundations.
- Reinforced concrete slab construction.
- Foundation and superstructure walls.
- Plaster and paint to internal walls.
- Roof coverings to facility.
- Combo-court and soccerfield construction.
- Construction of perimeter palisade fencing.
- Storm water drainage.
- General sundry items.
- Site clearing and rehabilitation of areas affected by construction activities.

## **PS-3 DESCRIPTION OF THE SITE AND ACCESS**

### **PS-3.1 Access**

The site is located in Ward 4 in the uPhongolo Municipality area.

## **PS-4 ENGINEERING AND DESIGN**

### **PS-4.1 Design Services and Activity Matrix**

The following matrix of responsibilities for design of permanent and temporary works will apply:

<b>Activity</b>	<b>Responsible Party</b>
Concept, feasibility and overall process	Employer
Basic engineering and detail layouts to bid stage	Employer
Final design approved for construction stage	Employer
Temporary works	Contractor
Permanent works	Contractor
Preparation of as-built drawings	Contractor

#### **PS-4.2 Employer's Design**

The Employer's design will be for all permanent works and will be detailed in drawings, site instructions the technical specifications to be issued with the bid documents and issued during construction.

#### **PS-4.3 Design Brief**

The contractor will be responsible for design of the following (which are all subject to approval by the Engineer):

- Site layouts for the contractor's camp and office accommodation
- Site layouts for the Engineer representative's temporary office accommodation
- Construction Methodology
- Formwork
- Scaffolding and all staging work
- All other temporary works
- Concrete Mix designs

The costs of the designs will be deemed to have been included in the scheduled items in the Schedule of Quantities. No other additional payments will be certified to cover these activities.

#### **PS-4.4 Drawings**

The following drawings will be required to be prepared by the contractor as a minimum:

- Site layouts for the contractor's camp and office accommodation
- Site layouts for the Engineer Representative's temporary office accommodation
- Scaffolding and all staging work

The costs of the designs will be deemed to have been included in the scheduled items in the Schedule of Quantities. No other additional payments will be certified to cover these activities.

#### **PS-4.5 Design Procedures**

The contractor will be required to furnish the following designs for approval by the Engineer at the indicated times:

Site layouts of the Contractor's camp and office accommodation – within 14 days from commencement date of the contract and in any case prior to the erection of the contractor's camp and offices

Layouts for the Engineer's representative office – within 14 days from commencement date of the contract and in any case prior to the erection of the Engineer's Representative's temporary office premises.

Formwork design – within 14 days of commencement of work and in any case prior to the construction of permanent reinforced concrete works.

Scaffolding and all staging work – within 14 days of commencement of work and in any case prior to the construction of permanent reinforced concrete works.

Concrete Mix Designs for the all classes of concrete as measured in the Schedule of Quantities prior to the placement of any concrete work

The costs of the designs will be deemed to have been included in the scheduled items in the Schedule of Quantities. No other additional payments will be certified to cover these activities.

#### **PS-4.6 Interface with other Contractors**

The contractor may be required to provide access to other contractors undertaking work as per the parallel contracts. The costs of this interface will be deemed to have been allowed for in the appropriate items in the Schedule of Quantities. No other additional payments will be certified to cover these activities.

## **PS-5 CONSTRUCTION AND MANAGEMENT REQUIREMENTS**

### **PS-5.1 General**

The Contractor is referred to SANS 1921: 2004: Construction and Management Requirements for Works Contracts, Part 1: General Engineering and Construction Works, and Part 2: Accommodation of Traffic on Public Roads. 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-5.2 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 own workmanship in accordance with his QA-system. His 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-5.3 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-5.4 Disposal of spoil or surplus material *(Read with SANS 192-1: 2004 Clause 4.10)***

The Contractor shall dispose all surplus and unsuitable material in legal spoil areas of his own choice. He shall be responsible for all arrangements necessary to obtain such spoil sites.

### **PS-5.5 Testing *(Read with SANS 1921 – 1: 2004 Clause 4.11)***

#### **PS-5.5.1 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 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.

#### **PS-5.5.2 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 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-5.6 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 trigonometrical 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 employees, the Contractor shall have them replaced by a registered land surveyor at his own cost.

**PS-5.7 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.

The Contractor will be held responsible for any damage to known existing services caused by or arising out of his operations and any damage shall be made good at his 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.

**PS-5.8 Management of the environment** (Read with SANS 1921 - 1: 2004 clause 4.19)

The Contractor shall pay special attention to the following:

(a) Natural Vegetation

The Contractor shall confine his operation to as small an area of the site as may be practical for the purpose of constructing the works.

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 employees.

**PS-5.9 Overhaul**

No payment will be made for overhaul on this contract unless provision is made thereof in specific items.

**PS-5.10 Security**

The Contractor shall provide security watchmen for the contract as he deems fit at no extra cost for the Employer. The Contractor must ensure that all his employees as well as the employees of his subcontractors are able to identify themselves as members of the construction team.

**PS-6 CONSTRUCTION PROGRAMME**

**PS-6.1 Preliminary programme**

The Contractor shall include with his bid a preliminary programme on the prescribed form to be completed by all Bidders. 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.

The Contractor shall be deemed to have allowed fully in his bided rates and prices as well as in his 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.

In determining his construction programme, the contractor should allow for disruptions/stoppages/requirements and intermittent "hold" of work while awaiting Engineer's inspections at the following critical stages:

- Following setting out of building structure by the Contractor.
- Following foundation excavations

- In particular, the Contractor must allow for a period of one week for geotechnical investigations by a geotechnical specialist.

No additional payments, other than through scheduled items, will be made for these stoppages/disruptions/constraints.

Should the contractor fail to comply with these programme requirements, the Engineer, after giving 2 days' notice to the Contractor to comply, may order necessary work to ensure compliance, from another third party. This third party shall be paid from this contract from any monies due to the contractor.

## **PS-6.2 Programme in terms of Clause 5.6 of the General Conditions of Contract 2015**

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 bid shall be used as basis for this programme.

## **PS-7 SITE FACILITIES AVAILABLE**

### **PS-7.1 Contractor's camp site and depot** *(Read with SANS 1921 - 1: 2004 Clause 4.14)*

The Contractor will be permitted to locate his offices, storage facilities, workshops, latrines, etc, on a site approved by the Engineer, in liaison with the community.

Temporary buildings and fencing are to be neat and presentable and the surrounding areas must at all times be kept in a neat, clean and orderly condition. The Contractor must not cut down or damage any trees nor make any excavation without the written permission of the Engineer and will be required to restore the site to its original condition on completion of the Works.

All buildings and latrines shall be in accordance with the Local Authority and State Health regulations and shall be kept in a clean, sanitary condition to the satisfaction of the Engineer.

### **PS-7.2 Accommodation of Employees**

No employees except for security guards will be allowed to sleep or be accommodated on the site in urban areas.

No housing is available for the Contractor's employees and the Contractor shall make his own arrangements to house his employees and to transport them to site.

No informal housing or squatting will be allowed.

The Contractor shall provide the necessary ablution facilities at his camp site and the site of the works for the use of his employees. Chemical toilets only will be allowed where temporary facilities have to be provided.

### **PS-7.3 Source of Water Supply**

The Contractor shall make his own arrangements for the supply of water for construction purposes. The source of water shall be subject to the approval of the Engineer.

The Water Services Authority in the area is Zululandi District Municipality. Should the contractor's source of water be the Zululand District Municipality, the contractor will be required to ensure that the water account with the Zululand District Municipality is in good standing prior to the issue of completion certificate. The Engineer will withhold any payments until arrears are cleared with the Zululand District Municipality.

**PS-7.4 Source of Power Supply**

The Contractor will be required to make his own arrangements with and pay all the requisite connection and consumption charges to Eskom for whatever temporary power supplies he may require for his use on the site and his bid will be held to include for all such costs and charges.

**PS-8 SITE FACILITIES REQUIRED**

**PS-8.1 Facilities Required for the Engineer**

**PS-8.1.1 Laboratory Facilities**

The Contractor will not be required to provide a testing laboratory on site for use by the Engineer.

**PS-9 EXISTING SERVICES**

**PS-9.1 Care, Damage and Protection**

The Contractor will be responsible for identifying all services with the relevant Service Providers.

The Contractor shall familiarize himself with all services and expose them at the start of the Contract to verify their position and establish their depths.

No additional payment will be made to the Contractor for identifying and locating services. Therefore, the Contractor will have to include the costs thereof in the scheduled items in the Schedule of Quantities.

Any information regarding existing services is given in good faith and without guarantee.

**PS-9.2 Environmental Aspects**

The Contractor will be required to plan and undertake his work in a manner that minimises its impact on the natural environment. Trees and other vegetation shall, wherever possible, be left undisturbed. Trees that are marked by the Engineer shall not be damaged and in the event of the Contractor doing so, a penalty will be deducted from monies due to the Contractor.

Every effort shall be made by the Contractor to prevent pollution of the adjacent areas and river and to reduce the noise, dust and fumes emanating from his construction activities.

**PS-9.3 Dealing with Water**

Where necessary, the Contractor shall construct temporary drainage channels to divert ground water from his excavation and excess water must be pumped out.

No compensation for any variation of the actual conditions during construction from the data given will be considered. Neither will additional compensation be considered for data omitted or inaccurately given.

The rates bided shall allow for the requirements of this clause and all incidentals.

**PS-9.4 Servitudes and Rights of Way**

The Employer will, where necessary, obtain permanent servitudes and rights of way along the road routes indicated on the bid drawings. New servitudes will only be registered after completion of the Works.

**PS-9.5 Dealing with Damaged Services**

In the event of any service being damaged or accidentally disconnected for any reason, the Contractor shall immediately contact the relevant authority for instruction and shall report the occurrence of the incident. The damage is to be repaired as soon as possible to the approval of the Engineer and the authority. The Contractor will be held responsible for paying all costs incurred by the authority or himself as a result of each such incident, where relevant.

**PS-9.6 Spoil Material**

No indiscriminate spoiling of material will be allowed. All surplus or unsuitable material shall be spoiled, levelled and spread in designated areas as directed by the Engineer. All haul will be regarded as free haul.

#### **PS-9.6 Finishing and Tidying and Defects Liability Period**

On no account must rubble and spoil materials, other materials, equipment or unfinished operations be allowed to accumulate in such a manner as to unnecessarily impede the activities of other Contractors or Authorities.

Finishing and tidying must not simply be left until the end of the construction period. The Contractor will be entitled, subject to prior agreement with the Engineer and within reasonable limits, to request that work in a particular area and/or work of a particular discipline, be inspected for partial completion. The specified defects liability period in respect of any specific section of the Works shall commence on the date on which the relevant section is accepted by the Engineer as being completed, i.e. fully commissioned, including finishing and tidying.

On completion of the Contract the Contractor shall ensure that all materials used in the construction of the temporary Site office, workshop and storage yard are removed from Site. Waste materials such as construction debris and soil contaminated with oil and fuel are to be disposed of at the solid waste disposal site used approved by the Engineer. Prior to the handover of the Site to the Employer, the Contractor and the Engineer will conduct a post construction audit to determine if any additional measures that are to be taken. The Completion Certificate will only be issued after this stage.

#### **PS-9.7 Employment of Local Labour**

The Employer has determined that 100% of the Contractor's unskilled labour force shall be made up from the local community. A labour sub-committee (of a Project Steering Committee) comprising representatives of the community and other stakeholders will be responsible for the recruitment of all local labour. The Contractor will be required to provide details of the numbers of semi-skilled and unskilled workers he will require, together with their anticipated starting dates. The PSC through its labour sub-committee will then make this labour available to the Contractor.

A minimum of 50% of the local labour shall comprise of women and, where appropriate, disabled labour shall be employed. It is a requirement that bidders acquaint themselves fully with requirements for registration with Unemployment Insurance Fund.

The Employer requires that the successful contractor registers all labour with the Unemployment Insurance Fund. The local labour rate will be stipulated by uPhongolo Municipality and in line with Government minimum wage stipulations.

During project execution, the successful contractor will be required to provide progress reports indicating to what level these requirements have been met.

#### **PS-9.8 Frequency of Labour Wages Payments**

The Contractor will determine the frequency of payment of labour in agreement with a nominated labour representative.

#### **PS-9.9 Training and Capacity Building**

During project execution, it is the desire of the Employer that an identified number of community members receive appropriate level of non-accredited training in construction management activities. Within 14 days of appointment, the successful contractor will be required to provide, together with his method statement, a proposal for consideration by the Project Steering Committee for activities in which the community members can receive training. This proposal will be considered by the Project Steering Committee after which the Contractor will be given an instruction on the training to provide. Training will be provided to local labour that is already in the employ of the Contractor as per Clause PS-9.7. It must be noted that the Contractor will be required to pay the labour based on their daily rates indicated in PS-9.8.

A minimum of 200 person-days should be provided as non-accredited training. The Contractor will be required to provide a training diary and report indicating the following to be updated monthly:

- Details of persons receiving training
- What areas they have been trained in
- Performance of the trainees
- Further training still to be done



Should the contractor fail to provide this training, the Employer reserves the right to seek training from alternative sources. In that case, the cost of the training sought will be deductible from any monies due to the contractor.

**PS-10 OCCUPATIONAL HEALTH AND SAFETY** (*Read with SANS 1921 - 1: 2004 Clause 4.14*)

**PS-10.1 General statement**

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his 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 OHSA 1993 Construction Regulations 2003 issued on 18 November 2003 by the Department of Labour.

For the purpose of this contract the Contractor is required to confirm his status as mandatar and employer in his 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 by executing the Agreement form C1.2.4 included in Section C1: Agreements and Contract Data.

**PS-10.2 Health and Safety Specifications and Plans to be submitted at bid stage**

The successful Bidder shall, on receipt of notification that he has been awarded the contract, submit without delay his own documented Health and Safety Plan for the execution of the work under the contract. His Health and Safety Plan must at least cover the following:

- (i) a proper risk assessment of the works, risk items, work methods and procedures in terms of Regulations 7 to 28;
- (ii) pro-active identification of potential hazards and unsafe working conditions;
- (iii) provision of a safe working environment and equipment;
- (iv) statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas (*Regulation 5*);
- (v) monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations;
- (vi) details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Regulation 6 and other applicable regulations; and
- (vii) details of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2003.

The Contractor's Health and Safety Plan will be subject to approval by the Employer, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work, before he has obtained the Employer's written approval of his Health and Safety Plan.

Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs

**PS-10.3 Cost of compliance with the OHSA Construction Regulations**

The rates and prices bided 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.

Items that may qualify for remuneration will be specified in the Safety Specifications included or in the Project specifications.

## PS-11 ADVERSE WEATHER CONDITIONS

In terms of Clause 5.12.2.2 of the General Conditions of Contract, extension of time will be considered for **abnormal rainfall**. The numbers of days per month on which work is expected not to be possible as a result of **normal rainfall**, and for which the Contractor shall make provision in his bided rates, prices and programme, are listed in Table PS-11 hereafter. Only the number of days lost as a result of adverse weather conditions, exceeding the number of days listed in Table PS-11.1, will qualify for consideration of extension of time.

During the execution of the Works, the Engineer's Representative will certify a day lost due to abnormal rainfall and adverse weather conditions only:

- if no work was possible on the relevant working day on any item which is on the critical path according to the latest approved construction programme; or
- if less than 30% of the work force and plant on site could work during that specific working day.

Extension of time as a result of abnormal rainfall and adverse weather conditions shall be calculated monthly being equal to the number of working days certified by the Engineer's Representative as lost due to rainfall and adverse weather conditions, less the number of days allowed for as in Table PS-11, which could result in a negative figure for certain months. The total extension of time as a result of abnormal climatic conditions for which the Contractor may apply, shall be the cumulative algebraic sum of the monthly extensions. Should the sum thus obtained be negative, the extension of time shall be taken as NIL.

**Table PS-11: Expected No. of Working Days Lost Monthly Due to Normal Rainfall**

Month	Expected delay of "n" working days due to normal rainy weather	Month	Expected delay of "n" working days due to normal rainy weather
January***	5	July	1
February	4	August	1
March	4	September	2
April	3	October	3
May	2	November	4
June	1	December***	5

\*\*\* Includes the whole month of December / January.

## PROJECT SPECIFICATION: PORTION 2

### SANS 1200 PSA: GENERAL

#### PSA-3 MATERIALS

##### PSA-3.1 Quality

Where there is a standardization mark programme for any material, all such material supplied shall bear the official standardization mark.

Alternative materials or equipment proposed by the Contractor shall be tested. The test, as well as the materials or equipment, shall be approved by the Engineer prior to any such materials or equipment being built into the works and all costs involved in testing shall be deemed to be included in the rates bided.

#### PSA-5 CONSTRUCTION

##### PSA-5.1 Survey

##### PSA-5.1.1 Setting Out of The Works

Substitute the first sentence in A 5.1.1 with the following:

“Setting out of the works is the sole responsibility of the Contractor and shall be done from survey beacons identified by the Engineer. The Contractor shall, within two (2) weeks after the site has been handed over to him, confirm himself that the survey beacons are correct. Any discrepancy shall immediately be reported in writing to the Engineer. Any costs or subsequent costs arising from discrepancies, which had not been reported to the Engineer within the aforementioned period, shall be the sole responsibility of the Contractor. A grid of final terrace levels over the site of the works will be issued to the Contractor at the commencement of the contract and it is the Contractors responsibility to preserve all setting out pegs based on this information as given for the duration of the contract.”

##### PS A 5.4 Protection of Overhead and Underground Services

Add the following paragraph:

“The Contractor shall as soon as possible after handing over of the site, commence with the detection to existing services, continue with it without interruption, and finalise it at least 7 days before excavation starts at that particular section.”

##### PSA-5.8 Ground and access to works

Add the following:

“On completion of operations the Contractor shall restore the ground surface, wherever it may have been disturbed, to its original condition by filling in all ruts with material similar to the material within the rut and levelling the ground and, where necessary, planting grass and shrubs as may be required. Any boundary fences which have been removed or damaged by his operations and activities shall be repaired and/or reinstated at the Contractor's expense”.

##### PSA-5.9 Accommodation of Traffic (*additional Sub-clause*)

Where construction work has to be carried out on or near public roads, the Contractor shall deal with traffic as specified in SANS 1921-2 (2004): Construction and Management Requirements for Works Contracts, Part 2: Accommodation of Traffic on Public Roads occupied by the Contractor. The Contractor is also referred to Project Specification PS-10.

**PSA-5.10 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 relevant specifications and drawings 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 contractor shall implement a quality assurance system in accordance with ISO 9001 and appoint a quality manager who shall ensure that members of the contractor's staff comply with the requirements of the quality system. The quality system and the methods used to implement it shall be described in a quality plan produced by the contractor.

The quality manager shall be resident on site full time. No construction activities shall take place on site before the engineer approves the quality plan.

The contractor shall submit the quality assurance system he proposes using to the engineer, for his approval, within two weeks of the site handover. Once accepted by the engineer the contractor shall not deviate from it unless written notification of proposed changes have similarly been submitted and approved. The system shall record the lines and levels of responsibility and indicate the method by which testing procedures will be conducted.

The Engineer will audit the Contractor's 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 own workmanship in accordance with his QA-system. His 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.

The contractor shall make allowance in the rate/s tendered under Preliminary and General to ensure the implementation and maintenance of an appropriate QA system, for the full duration of the contract.

## SANS 1200 PSD: EARTHWORKS

### PSD 1 EARTHWORKS

The Contractor is referred to SANS 1921 - 5: Earthworks activities which are to be performed by hand

### PSD 3 MATERIALS

#### PSD 3.1 Classification for excavation purposes

##### PSD 3.1.2 Classes of excavation

The classes of excavation in Clause 3.1.2 shall in general apply to all excavations where use is made of conventional methods and plant and equipment.

Where labour-intensive methods applicable to targeted labour are specified, soft excavations shall be defined as follows:

##### PSD-3.1.2(a) Soft excavation

Soft excavation for labour-intensive work where excavations are to be carried out by hand methods, shall be excavation in material that can be efficiently removed and loaded with picks, shovels and other hand tools by an average able-bodied person or group of persons. Soft excavation shall include small boulders that can be removed by hand methods.

Soft excavation can be further broken down by introduction of an additional class such as "Soft Excavation Class A", which is excavation defined as soft, but which can only be excavated with difficulty.

The criteria for classifying Soft Excavation Class A shall be as follows:

Granular material: -dense material with high resistance to penetration by the point of a geological pick; several blows are required for removal of material; 7 to 15 blows of the dynamic cone penetrometer are required to penetrate 100 mm; and

Cohesive materials - stiff to very stiff material requiring 6 to 8 blows of the dynamic cone penetrometer to penetrate 100 mm, where:

"stiff" material can be indented by thumbnail; slight indentation produced by pushing a geological pick point into the soil; cannot be moulded by fingers; and where:

"very stiff" material can be indented by thumbnail with difficulty; slight penetration of point produced by blow of geological pick.

Where soft excavation class A material is encountered, it shall be measured and paid for as an extra over soft excavation.

### PSD 5 CONSTRUCTION

#### PSD 5.1 Precautions

##### PSD 5.1.1 Safety

##### PSD 5.1.1.2 Safeguarding of excavations

**Add the following subparagraph:**

"(g) The Contractor or his agent or his representative shall **not** require or allow any person to work under unsupported overhanging material or in an excavation which is more than 1.5 m deep, and any excavation which has not been adequately supported or braced if there is a danger of the overhanging material or the sides of the excavation collapsing.

The support, shoring or bracing to be designed and constructed by the Contractor, shall be strong and sturdy enough to support the sides of the excavation in question."

#### PSD 5.2.2.1 Excavations for general earthworks and for structures

##### ***Add the following additional subparagraph:***

- "(f) The Contractor shall so plan his cut-to-fill operations that all excavated material is used in the manner that is most appropriate.

The Contractor shall conserve all suitable surplus material and he shall not borrow, spoil or waste any material unnecessarily. If excavated material designated for a particular purpose become contaminated, is incorrectly used or becomes unavailable through injudicious planning of excavation operations, the Contractor shall replace the contaminated material and make good any shortfall with material of quality at least equal to that of the said selected material.

Where selection of excavated material is required, the method of excavation shall be so arranged as to avoid double handling. Wherever possible excavated material shall be placed in its final position without being stockpiled. If stockpiling is unavoidable, materials intended for different uses shall be stockpiled separately

### **SANS 1200: MM ANCILLARY ROAD WORKS**

#### **LINE MARKINGS**

##### **ALL-WEATHER PLAYING SURFACE**

The all-weather topping compound used should be able to set fast to form a tough and durable skin. The finished playing levels are to be as indicated on the drawing. No undulations on the courts surface will be allowed and the tolerance will be 3mm per 3 metre (straight edge). Tests should be carried out prior to the laying of the final coats by flooding the courts with water to ensure that the specification is met. The court is to be painted with green playing area and a biscuit surround.

The unit of measurement shall be square metre (m<sup>2</sup>) and the rate shall include for procuring and furnishing of all the materials, labour, plant and tools necessary.

##### **COURT LINES**

Permanent white, red and yellow lines are to be painted with road marking paint according to the regulation and manufacturer's specification of the netball, basketball, volleyball and tennis courts.

The unit of measurement shall be linear metre (m) and the rate shall include for procuring and furnishing all materials, labour, equipment and tools necessary to complete the painting of the courts including the setting-out and pre-marking of the lines.

### **SOCCERFIELD**

#### **Resurfacing of a football field**

Remove all the existing grass. Remove all topsoil and level earth platform to correct site development levels with particular emphasis on natural drainage. Rip and compact in-situ earth to 93 % modified AASHTO. Import, spread and level 100 mm thick layer of weed free top soil and compact lightly. Fertilise soil as per chemical soil analysis and grass with either Kikuyu grass or alternatively with Cynodon.

Once the grass is established, top dress. Cover grass with thin layer of sieved top soil to a depth of not more than 15 mm over the grass and smooth. Water daily or as may be required. Grass matting should be avoided and always controlled by vertical cutting. Length of grass should never be longer than 15 mm.

### **Marking of the Soccerfield**

The field must be clearly marked with lines that are wider than 120 mm. A halfway line is marked across the centre of the field. A suitable mark indicating the centre of the field is surrounded by a circle with a radius of 1500 mm. Penalty areas, in front of the goal posts, are also marked at each end of the field..

Flags are to be placed at each corner on a post not less than 1500 mm high. Similar flags are to be placed opposite the halfway line on each side of the field of play and not less than 1.00 metre outside the touch line.

### **Goal area**

Two lines are to be drawn at right angles to the goal line, 5.50 metre from each goal post. These lines extend into the field for 5.50 metre and are to be joined by a line drawn parallel with the goal line. The space enclosed by these lines is referred to as the goal area.

### **Penalty area**

Two lines are to be drawn at right angles to the goal line, 16.50 metre from each goal post and are to be joined by a line drawn parallel with the goal line. The penalty spot is to be drawn 11 metre from the centre of the goal line. Using the penalty as a centre, an arc of a circle with a radius of 9.15 metre is to be drawn outside the penalty area.

### **Corner area**

A quadrant with a radius of 900 mm is to be drawn from each corner post.

### **Goal posts**

The goal posts are to be 7.32 metre apart (internal dimensions) and are joined by a horizontal cross bar situated 2.64 metre (internal dimension) above the playing field level. The posts and the crossbar must be the same width as the goal line. Nets giving the goalkeeper ample room to be fixed to the rear and the sides of the goal posts. The nets are to be manufactured out of 40 mm rectangular nylon netting.

## **NETBALL**

### **Resurfacing of Court**

The courts have a hard surface of an asphalt. Contractor to remove all the grass growing within and around the Sportsfield. Repair the base course with G2 graded crushed stone material, compact to 95 % Modified ASSHTO with a maximum cross slope of 1%, apply prime coat. The contractor needs to apply tack coat for areas where no patching will be required and asphalt the entire surface.

### **The Court**

The court is to be 30.5 metres long and 15.25 metres wide and be divided into thirds. The centre circle with a diameter of 900 mm and two goal circles which are semi-circles measuring 4.9 metres in radius. All lines are part of the court and must measure 50 mm in width. The goal posts are to be placed mid-point on each goal line and must measure 3.05 metre in height. The goal rings have an internal diameter of 380 mm. The goal rings are to be projected horizontally from the post on a single attachment measuring 150 mm.

## **TENNIS COURT**

### **The net**

The net is to be suspended from a cord or metal cable held over two posts. The posts must be 1.07-metre-high and positioned 914 mm outside the centre of the doubles side lines. The net must be 914 mm high at the centre, where it must be kept taut by a white strap that may not be wider than 50 mm. A white band at the top of the net covers the cord or cable and must extend between 50 and 63 mm down on each side of the net.

## **Playing lines**

The outside dimensions of the playing lines should be as follows:

- Doubles: 23.77 metre x 10.97 metre
- Singles: 23.77 metre x 8.23 metre
- All lines should be not less than 25.4 mm wide except for the base line which may be up to 100 mm wide.
- The lines should be laid out and applied as close to the exact measurements as possible within the limitations of the playing surface. At no time should the line dimensions vary by more than 6 mm from the exact measurement.

## **VOLLEY BALL**

The court is rectangular, 18.0 metres long and 9.0 metres wide and a service zone at least 3.0 metres wide all-round the court. The clearance height above the court must be at least 7.0 metres.

All lines in the court are to be 50 mm wide. Two side lines and two end lines represent the boundaries of the court. The front zone lies between the centre line and the attack line, which is to be drawn 3.0 metres behind the centre line. (Ref. to ESID\_004 dwg) The attack zone extends indefinitely beyond the side lines.

The service zone is the whole width of the court situated immediately behind the end line. It is limited on both sides by two 150 mm short lines which are drawn 200 mm long, in line with the side lines, beyond the end lines.

### **The Net**

The net is to be stretched across the centre of the court at a height of 2.24 metres for women and 2.43 metres high for men. The net is to be 9.5 metres long and 1.0 metre deep with 50 mm wide white bands across the top and both sides which line up with the sides of the court. The net is manufactured out of 100 mm<sup>2</sup> netting and has multi-coloured antennae which project 800 mm above the top of the net above each side marker.

### **The Posts**

The posts that support the net must be 2.55 metres high and fixed firmly into the ground at a distance of 500 to 1000 mm beyond the side lines.

## **BASKETBALL**

### **The Court**

The court must be 29.0 metres long and 15 metres wide (*Ref. to ESID\_004 dwg*). The court is to be divided into two equal halves with centre dividing line. The centre circle must have a radius of 1.80 metre and a free throw line to be drawn 5.90 metre from the end line. The measurements for the restricted areas and free-throw lanes are set out in the diagram below.

### **The Backboard**

There must be a 1800 mm wide and 1200 mm high backboard at each end of the court. It must be made of wood or a suitable transparent material. The front of the board is to be flat and unless it is transparent it is finished in a white colour. The backboard is attached to a rigid steel support bracket as indicated in the diagram below.

The rings, through which goals are scored, are to be 450 mm in inner diameter and should be attached horizontally to the backboards at a height of 3.05 metre above the floor. The inside edge of the ring must be 150 mm away from the face of the backboard. The net attached to the ring must be 400 mm long.



## **SUPPLY AND INSTALL CYNODON OR KIKUYU GRASS OR ALTERNATIVE APPROVED**

The unit of measurement shall be square metres (m<sup>2</sup>) and the rate shall include for all necessary materials, labour and use of plant and bringing to the required finish, cleaning and bonding.

The Contractor is to ensure that the grass conforms to the following specifications. The blades are to be grey-green colour, 20–150mm long with rough edges. The erect stems must grow 10–300 mm tall. The stems must be slightly flattened, often tinged purple in colour. The seed heads are to be produced in a cluster of two to six spikes together at the top of the stem, each spike 20–50 mm long.

It must be a deep root system; in drought situations with penetrable soil, the root system must be able grow to over 2 metres deep, though most of the root mass is less than 600 millimetres under the surface. The grass must creep along the ground and roots wherever a node touches the ground, forming a dense mat. It must reproduce through seeds, runners, and rhizomes. Growth begins at temperatures above 15 °C with optimum growth between 24 and 37 °C; in winter, the grass becomes dormant and turns brown. Growth is promoted by full sun and retarded by full shade.

## **SANS 1200 GA: CONCRETE (SMALL WORKS)**

### **PS GA 3 MATERIALS**

#### **PS GA 3.2 Cement**

##### **PS GA 3.2.1 Applicable specifications**

The standard cement specifications SANS 471, SANS 626, SANS 831, SANS 1466 and SANS 1491, have been withdrawn and are replaced by SANS 50197-1: Common cements, and SANS 50413-1: Masonry cement. These specifications will be applicable to this contract and the descriptions and types of cements, where specified, will be based on the designations as defined in these specifications.

##### **PS GA 5.4.1.4 Prescribed mix concrete**

#### ***Add the following:***

“The structural concrete in this contract shall comply with the following specification.

- The minimum 28-day strength shall be as specified in drawings
- The maximum water/cement ratio shall be 0.42
- The minimum cement content shall be 400 kg/m<sup>3</sup>
- The cement used must be extended with a minimum of 30% Fly Ash or 50% GGBS

A detailed mix design by an approved concrete testing laboratory before any concrete is poured in the works and provision shall be made by the contractor for the cost of the design in his rates.

### **PS GA 8: MEASUREMENT AND PAYMENT**

#### **PS GA 8.1 Measurement and rates**

##### **PS GA 8.1.2 Reinforcement**

Replace Sub-clause 8.1.2.2 with the following:

PSGA-8.1.2.2 Mild steel and high tensile steel will be measured by mass for the diameters or range of diameters as scheduled.

Welded mesh will be scheduled separately for each type and mass per square metre of mesh.”

Replace Sub-clause 8.1.2.3 with the following:

“PSGA-8.1.2.3 The unit rate for steel bars shall cover the cost of supply, cutting, bending, placing in position, and fixing of the reinforcing and supporting steel scheduled. The rate shall also include the provision of all spacer devices and binding wire, as well as the cost of tests in terms of SANS 920.

The unit rate for welded mesh shall cover the supply, cutting and placing of mesh, as well as the cost of all waste due to laps.”

##### **PS LE 3.1.1.4 Sand**

Sand obtained from approved commercial sources shall be clean, hard and durable and shall comply with the following grading requirements:

D15: 0.2 mm to 0.4 mm

D85: 1.2 mm to 4.7 mm

## **PARTICULAR SPECIFICATION PA: BRICKWORK AND PLASTER**

### **PA 1 SCOPE**

**PA 1.1** This specification covers the general requirements for buildings and other masonry structures, including plastering.

### **PA 2 INTERPRETATION**

#### **PA 2.1 Other relevant Standards/Specification**

This specification should be read together with SANS 1200 AA.

#### **PA 2.2 Applicable Edition of Standards**

Each standard specification referred to in this specification shall be deemed to be the latest edition, applicable on the bid closing date.

### **PA 3 MATERIALS**

#### **PA 3.1 Cement**

Cement shall conform to the requirements of SANS 471.

#### **PA 3.2 Sand**

Sand to be used for mortar and plaster shall comply with the requirements of SANS 1090.

#### **PA 3.3 Clay Bricks**

Clay bricks must conform to SANS 227. A sample of bricks to be used for construction must be given to Engineer for approval before construction bricks are delivered to site.

The contractor will be required to carry out necessary tests and provide certificates for compliance of the bricks with SANS 227. The cost of these tests will be deemed part of the scheduled rates and no additional payment will be made therefor.

Best quality engineering bricks shall be used for all foundation and concealed situations.

#### **PA 3.5 Damp-Proofing**

Material used as a damp-proof course shall conform to the requirements contained either in SANS 248 or in SANS 952. Type FV fibre-felt sheets or Type C polyethylene sheets shall be supplied under the contract.

#### **PA 3.6 Fibre Cement Sheets**

Fibre cement flat sheets, minimum 15 mm thick, shall comply with the requirements of SANS 685.

#### **PA 3.7 Storage**

##### **PS 3.7.1 Cement**

Cement stored on the site shall be properly protected against moisture to the satisfaction of the engineer.

## **PA 4 CONSTRUCTION**

### **PA 4.1 Brickwork**

Brickwork shall be well and regularly bonded, with no false headers and none but whole bricks except where legitimately required as closers. All bricks must be thoroughly dampened before laying and each brick is to be laid with full joints and pressed into its bed so as to squeeze out superfluous mortar and give a finished joint not exceeding 8 mm thick in the case of the face work or 13 mm thick in the case of plastered walls or work not exposed to view. All joints, both horizontal and vertical, notwithstanding any grade custom to the contrary, are to be filled solid with mortar for their full width and depth, each course being flushed with mortar, worked well down into all vertical joints before the succeeding course is laid. Plastered walls shall have the joints raked out to a depth not less than 13 mm and not more than 20 mm, and subsequently refilled with mortar of the same proportions as the original bedding mortar. In no circumstances may joints be so formed as to expose any perforation in the units.

Wire ties, where required, shall be stainless steel and are to be installed at 5 per square metre.

### **PA 4.4 Damp-proof Courses**

The areas to be covered by damp-proof courses are indicated on the drawings. Damp-proof shall be laid on a surface which shall not contain any sharp objects which may perforate the membrane. The full width of the wall and the whole area under the floor is to be covered by the membrane and shall overlap by not less than 100 mm under the floor, and by not less than 150 mm under the wall. All joints shall be effectively sealed. Where shown on the drawing, the damp-proof course is to be stepped up one course of brickwork in the inner skin. Proper returns are to be made at all doorframes.

### **PA 4.5 Window Sills**

Window sills shall be formed as shown on the drawings and as hereafter described:

Damp-proof sheeting shall be provided one brick course below the sill and shall be turned upwards and terminate behind the window frame to provide an efficient weather-tight seal.

All external sills and some internal sills, where shown, shall be formed in quarry tiles and other internal sills where shown are to be of fibre cement sheet minimum thickness 15 mm to SANS 685 with approximately 20 mm projection beyond the finished face of the walls.

External sills shall be laid to a 20° weathered slope while internal sills shall be laid horizontal.

All tiles shall be bedded in 3:1 cement mortar and neatly pointed.

### **PA 4.6 Lintels with Brickwork Reinforcement**

Lintels over doors, windows and openings, where ordered by the Engineer, shall be reinforced with four layers of BRC brick force, or approved equal. The latter reinforcement shall extend a minimum of 450 mm beyond any opening. All joints in the six courses of brickwork above the opening shall be fully flushed with cement mortar. Shoring to soffits of lintels shall be left in position for at least 14 days after building the lintel and the brickwork shall be kept damp with wet bags for the whole of this period.

### **PA 4.7 Wall Vents**

Ventilator openings shall be formed through walls where indicated and shall be provided with double brick terracotta louvred air bricks (fitted with plastic insect screens) both externally and internally (where scheduled) set flush into the work and neatly pointed. Internal wall vents are to be of an approved plaster of paris type where scheduled.

#### **PA 4.8 Building in Frames, etc**

Door and window frames are to be set up, built into position, bedded and pointed in cement mortar, with any necessary cutting to brickwork, fitting and making good, as the brickwork is built up. In the case of doorframes, wrought iron right angled cramps are to be fixed to doorframes and built into brickwork at every eighth course.

Where pipes, frames, brackets or other such parts pass through or have to be set into brickwork, the bricks shall be carefully cut and fitted to maintain regularity of courses and uniformity of joints, the shaped bricks being embedded and pointed to conform with the surrounding brickwork. Where such parts have to be set into position after brickwork is built, holes shall be left wherever possible, in preference to cutting out bricks, and the work shall be subsequently made good in the manner described.

#### **PA 4.9 Floor Finishes**

##### **PA 4.9.1 Granolithic Floor Screed**

To ensure proper bond, the concrete surface to be covered shall be clean, roughened by chipping, flushed with water and coated with cement grout just before placing of the granolithic layer. Granolithic finish is to be steel floated with V joints in squares of 1, 20 m to 1, 80 m, the joints extending for the full depth of the granolithic. Joints are not required in the granolithic screed where it is to be overlaid by tiles or carpeting.

#### **PA 4.11 Weather**

In any period of interruption caused by inclement weather, and at the completion of each day's bricklaying, freshly laid brickwork should be protected.

### **PARTICULAR SPECIFICATION PB: CARPENTRY, JOINERY AND IRONMONGERY WORK**

#### **PB 1 SCOPE**

**PB 1.1** This specification covers the general requirements for carpentry, joinery and ironmongery work for civil engineering projects and the methods by which the finished work is to be measured for the purpose of payment.

#### **PB 2 INTERPRETATION**

##### **PB 2.1 Other Standards/Specification**

This specification is to be read with SANS 1200 AA.

##### **PB 2.2 Applicable Edition of Standards**

Each standard specification referred to in this specification shall be deemed to be the latest edition, at the closing date of bids for this contract.

#### **PB 3 MATERIALS**

##### **PB 3.1 Timber**

Roof timber forming a permanent part of the work shall conform to the requirements of the relevant standard specifications SANS 563, SANS 653, SANS 876, SANS 1089 or SANS 1245.

All timber other than that used for temporary works or shuttering shall be treated as specified in SANS 1288 and SANS 05, and allowed to dry thoroughly before being used.

**PB 3.2      Fibre Cement Sheets**

Fibre cement flat and corrugated sheets shall comply with the requirements of SANS 685. The flat sheets shall be minimum 15 mm thick.

**PB 3.3      Hardware**

Locks, hinges and other hardware shall be provided to doors; all ironmongery and fixings shall be chromium plated on brass except where otherwise specified.

**PB 3.3.1      Hinges**

Hardwood doors in hardwood frames are to be provided with brass butt hinges as scheduled with three hinges per leaf.

**PB 3.3.2      Door Locks and Furniture**

External door to be fitted with a night latch (to be supplied by the Employer) and a Henderson No 463-bow handle, secured with brass bolts passing through the door with nuts on the inside.

**PB 3.3.3      Cabin Hooks**

One 200 mm brass cabin hook complete with eyes to be fitted to each door including for hardwood block plugged to walls or post as scheduled.

**PB 4          MEASUREMENT AND PAYMENT**

**PB 4.1**      The work will be measured and paid for in accordance with the units and rates scheduled.

**PB 4.2**      The bided rates for doors are to include for the manufacture, fitting hanging and protective painting thereof.

**PB 4.3**      The bided rates for ironmongery shall include for the supplying and fitting complete with non-corrosive screws and/or bolts.

**PARTICULAR SPECIFICATION PC: PAINTING**

**PC 1          SCOPE**

**PC 1.1**      This specification covers the general requirements for painting, including methods of preparation of materials to be painted, cleaning, priming, undercoating and finishing, and also methods by which the finished work will be measured and paid for.

**PC 2          INTERPRETATION**

**PC 2.1      Supporting Specification**

This specification must be read together with SANS 1200 AA

**PC 2.2      Applicable Edition of Standards**

Each standard specification referred to in this specification shall be deemed to be the latest edition at the bid closing date.

**PC 3          MATERIALS**

**PC 3.1      Emulsion Paints for Exterior Use**

Emulsion paints for exterior use shall comply with SANS 634.

**PC 3.2          Calcium Plumbate Primer**

Calcium plumbate primer shall comply with SANS 912.

**PC 3.3          Undercoats for Paints**

Undercoats for air-drying protective and decorative paints shall comply with SANS 681.

**PC 3.4          Structural Steel Paints**

Structural steel paints shall comply with SANS 684.

**PC 3.5          Colors of Paints**

Specification for colors of paints shall comply with CKS 279.

**PSD            EARTHWORKS**

**PSD 3          MATERIALS**

**PSD 3.1       CLASSIFICATION FOR EXCAVATION PURPOSES**

Delete SANS 1200: D Sub-clause 3.1 and replace with the following:

**PSD 3.1.1     Method of Classifying**

The Contractor may use any method he chooses to excavate any class of material but his chosen method of excavation shall not determine the classification of the excavation. The Engineer or his Representative will decide on the classification of materials. In the first instance classification will be based on inspection of the material to be excavated and on the criteria given in PSD 3.1.2(a) and (b).

**PSD 3.1.2     Classes of Excavation**

All materials encountered in any excavation for any purpose including restricted excavation will be classified as follows:

(a)    Hard rock excavation

Hard rock excavation shall be excavation in material (including undecomposed boulders exceeding 0.17 cubic meters in individual volume) that cannot be efficiently removed without blasting, wedging and splitting, or hydraulic hammers.

This classification includes materials such as:

- solid unfractured rock occurring in bulk
- solid ledges thicker than 200mm
- igneous rock intrusions
- cemented sedimentary rocks.

(b)    Soft Excavation

Any material which can be removed by bulldozers or backhoes shall be classified as soft excavation.

Soft excavation shall be material not falling into the category of hard rock excavation.

PSD 5.2.1.2     **Conservation of Topsoil**

***Add the following to Sub-clause 5.2.1.2:***

*“Topsoil shall not be stockpiled higher than 2.0m. Care shall be exercised to prevent the compaction of topsoil in any way especially by vehicles travelling over such material.”*

PSD 6            **CONSTRUCTION**

PSD 6.1        **Disposal** (Clause 5.2.2.3)

Surplus and/or unsuitable material may be spoiled at approved places on the Sports Complex Site, and finished as directed by the Engineer. Building rubble shall be disposed of on a site found by the Contractor, beyond the boundaries of the Site or designated tip site.

PSD 6.4        **Overhaul** (Clause 5.2.5.2)

Overhaul shall not be paid for separately on this Contract and all haul will be regarded as free haul.

PSDB 5.4       **EXCAVATION**

**Add:** The pipe/duct shall be laid and the trench backfilled to the acceptable requirements, including density testing.

PSDB 5.6.3    **Disposal of Soft Excavation Material**

Delete the contents of Sub-clause 5.6.3. and replace with the following:

“Excess material arising from the excavations will be disposed of at a designated tip site. The rate for spoiling of excess material shall include for the loading and carting of material, and the off-loading at the tip site. The Contractor shall be responsible for all charges levied at the tip site. The current charges applicable may be obtained from the Municipality's Cleansing Division.

Where topsoil is encountered this will be set aside on site and re-used later.”

PSDB 5.6.6    **Completion of Backfilling**

**Add:** “If in the opinion of the Engineer's Representative the Contractor is lagging in the backfilling of trenches, he will be entitled to order that no further excavation takes place until the backfilling operation has caught up.”

PSDB 5.9.8    **Safety**  
(New Clause)

The responsibility for public safety lies with the organization carrying out the excavation and backfill operations.

PSDB 8         **MEASUREMENT AND PAYMENT**

PSDB 8.3.2    **Excavation**

Delete the contents of payment Sub-clause 8.3.2(b)(1). For the purpose of measurement and payment, material other than hard rock, will not be separately classified.

PSDB 8.3.3.1   **Deficiency in Backfill Material**

Add the following to sub-clause 8.3.3.1(c):

The rate shall also include for compaction of base course quality backfill as per PSDB 3.5



PSG                    **CONCRETE (Structural)**

PSG 3                **MATERIAL**

PSG 3.2            **Cement**

PSG 3.2.1        Applicable Specifications

Replace entire paragraph with:

“Subject to provisions of 3.2.2, cement shall comply with the relevant requirements of the following specifications.

SANS ENV 197-1 Common Cements”

After 3.2.2 add new paragraph

“Site Blending

The use of exbids on site shall be in conjunction with Portland cement (CEM I) as defined in SANS ENV 197-1. The exbid shall comply with the applicable specification, listed as follows:

SANS 1491-1 Ground granulated blast furnace slag (GGBS)

SANS 1491-2 Fly Ash (FA)

SANS 1491-3 Condensed silica fume (CSF)

Note: It is recommended that the use of cement exbids be done in consultation with producers of the exbid, cement manufacturers and/or appropriate publications of recognized institutions.”

PSG 3.2.3        Storage of cement

Add the following to this clause:

Cement silos shall be painted white to reduce temperature rise in the cement.

PSG-3.3           **Water**

Add the following to this clause:

Tanks for mixing water shall be painted white and shall be shaded on all sides from direct radiation from the sun by means of light-colored plastic sheets at least 500 microns thick or light-colored sails supported by a proper structure. Sufficient ventilation and sufficient room between the tanks and the sheets or sails shall be provided to prevent a hot-house effect that would raise the water temperature. When concrete is mixed the temperature of the mixing water shall be kept below 20°C and if necessary, crushed ice shall be added to the water tanks or liquid nitrogen shall be injected into the water tanks to achieve this.

PSG 3.4            **Aggregates**

PSG 3.4.1        Applicable specifications

Replace this clause with the following:

The aggregates shall comply with the requirements of SANS 1083. The maximum water absorption of the coarse aggregate shall not exceed 1 % and the flakiness index shall not exceed 25 %. The maximum water demand of the fine aggregate shall be 190 /m<sup>3</sup>.

Aggregates to be used in this Contract shall be tested in accordance with subsection C-15 of SANS 1083 to determine whether they are potentially alkali-reactive. If they are alkali-reactive they shall either be replaced with aggregates that are non-reactive or the requirements of PSG-3.2.2.1 in respect of alkali-reactiveness shall apply.

The content of chloride ion in the aggregates shall be determined and shall be within the limits specified in SANS 1083. Test results in this regard shall be submitted to the Engineer.

At bid stage the Contractor shall assure himself by means of tests and test mixes by an accredited laboratory that the fine and coarse aggregates that he intends to use comply with the specification. The bided rates shall therefore be deemed to allow for the importation of aggregates, if necessary, that do comply with the Specification.

The Contractor shall be responsible for locating the sources of all aggregates.

PSG 3.4.3      Storage of aggregates

Aggregate stockpiles shall be shaded on all sides from direct radiation from the sun by means of light-coloured plastic sheets at least 500 microns thick or light-coloured sails supported by a proper structure. Sufficient ventilation and sufficient room between the stockpiles and the sheets or sails shall be provided to prevent a hot-house effect that would raise the temperature of the aggregates. When the following conditions exist, only the coarse aggregate shall be sprayed with water to assist cooling:

- when the ambient temperature exceeds 30° C;
- when the ambient temperature exceeds 25° C and the relative humidity is low and/or high winds or berg wind conditions exist.

The Contractor shall ensure that drainage of the coarse aggregate stockpile is adequate.

PSG 3.5      **Admixtures**

PSG 3.5.1      Approval of Admixtures Required

The Contractor shall, by way of the information required in Sub-clause 3.5.1, prove to the satisfaction of the Engineer that proposed admixtures are beneficial and not detrimental to the durability of the concrete.

PSG 3.5.2      Air-entraining Agents

Air-entraining agents shall not be used.

PSG 4      **PLANT**

PSG 4.5      **Formwork**

PSG 4.5.3      Ties

Formwork ties in structures shall be of the 12 mm Extended Coil Tie or similar. The Contractor shall allow in his rates for the specified formwork ties and ensure that his formwork is compatible with these ties. No ferrous metal shall remain closer to the surface of the concrete than the cover specified for the reinforcement.

After removal of the plastic spacing cones from the concrete, the openings in the concrete shall be roughened with a mechanical wire brush. Thereafter the openings shall be painted with cement mortar slurry and filled with a shrinkage-free grout such as "M Bed Standard" by Samson or a similar approved. The grout filling shall be applied in such a way as to protect the ties against corrosion.

PSG 5           **CONSTRUCTION**

PSG 5.1       **Reinforcement**

PSG 5.1.3     Cover

In Sub Clause 5.1.3(a) amend the words "...or stirrup" to read: "bar, secondary reinforcement, tie stirrup, tying-wire knots or wire ends." Add to Sub Clause 5.1.3: "Tying wire shall not encroach on the specified minimum cover by more than a single strand thickness."

The minimum concrete cover to reinforcement shall be as follows:

- |                                       |       |
|---------------------------------------|-------|
| - top reinforcement in concrete slabs | 40 mm |
| - reinforcement in beams, columns     | 40 mm |
| - all other reinforcement, bases etc. | 50 mm |

The cover blocks shall be manufactured from concrete of grade, durability, density and impermeability at least equal to that specified for the respective elements except that 13 mm stone instead of 19 mm stone shall be used. The size of the cover blocks shall be 60 mm x 60 mm, with a thickness equal to the specified cover. Wires shall be cast into the blocks to enable them to be fixed to the reinforcement. **The wires shall be fully galvanized Class A as per SANS 675 - 1993.**

The wires shall be carefully held in position while the concrete is setting to ensure that all the wires are inserted to a uniform and consistent depth of 50% of the thickness of the cover block for all the cover blocks. The concrete shall be thoroughly compacted and the blocks shall be protected against early drying and shrinkage due to sun and wind, by being kept continually wet while still in the mould. After the blocks have been removed from the mould, they shall be kept in water continuously for a minimum of 14 days before being used.

A proper mix design for concrete in cover blocks shall be submitted to the Engineer for approval.

PSG 5.1.4     Splicing

Splice lengths for structures shall not be less than 55 diameters. Where applicable, splices shall be staggered so that they are evenly spread throughout the structure.

PSG 5.2       **Formwork**

PSG 5.2.1     Classification of finishes

Add the following additional Sub-clauses to Sub-clause (c):

(i)    Special off-shutter finish

Special off-shutter formwork shall produce a finish that will comply with the requirements of degree of accuracy I according to SANS 1200 G clause 6.2. For this contract the special off-shutter finish is applicable to all visible concrete.

Formwork panels shall be made of steel panels. Small approved laminated wooden board inserts to steel framed panels may only be used in confined places and the use thereof will be subject to approval by the Engineer. **Wooden formwork may, however, not be used at the bottom of walls. (See PSG-5.2.6)** The panels shall be free from rust, ridges, fins, bulges, imperfections, irregularities, chips and holes. The concrete surface shall be smooth and free from irregularities, bulges, ridges, imperfections, air bubbles, honeycomb or surface discolorations. Grout checks shall be used at all construction joints and chamfers at all corners.

Joints between panels shall be sealed tightly to prevent local honeycombing or leaching of concrete. Joints between panels shall form straight horizontal and vertical lines which shall be spaced evenly on the formed concrete surface and shall be even and smooth and require minimal or no finishing. The layout of all formwork panels and construction joints shall be discussed with the Engineer before application and shall be approved in writing prior to erection of formwork.

(ii) Visible corners

All visible corners shall have a 25 mm x 25 mm chamfer.

PSG 5.2.5 Removal of formwork

Add the following to Sub-clause 5.2.5.2:

Formwork for concrete shall remain in place after placing of the concrete as indicated in Table 2 for Portland cement.

PSG 5.2.6 Formwork at the bottom of wall (new clause)

Special attention shall be given to the formwork at the bottom of sections of walls. The formwork on both sides in lower sections of walls shall allow for reinforcement at two levels to protrude through the formwork where required. Due to the presence of hooks on the reinforcement and, the arrangement of the reinforcement, it is recommended that this formwork consist of separate horizontal strips with matching semi-circular holes formed on the edges to allow reinforcement to protrude and that these panels be bolted together. Utmost care should be taken to prevent any grout loss at any of the joints or where reinforcement protrudes through the formwork.

The above-mentioned formwork shall be measured separately.

PSG 5.5 **Concrete**

PSG 5.5.1 Quality

PSG 5.5.1.3 Workability

The workability range (slump) for all concrete shall be between 50 and 75 mm.

PSG 5.5.1.5 Durability

The maximum ratio of water to cementitious material shall be 0.455.

PSG 5.5.1.7 Strength concrete

- (a) Due to the design approach and assumptions adopted for this contract, it is of the utmost importance that good strength concrete with consistent quality and composition is used throughout. All possible measures to limit shrinkage shall be applied.
- (b) In addition to the requirement that the Contractor design the mixes to the specified strengths, the cementitious material content shall be within the limits of 300 kg/m<sup>3</sup> to 380 kg/m<sup>3</sup> for 30 MPa/19 mm concrete and 360 kg/m<sup>3</sup> to 440 kg/m<sup>3</sup> for 40 MPa/19 mm concrete.
- (c) All concrete shall be based on designed mixes. Trial mixes shall be made by an approved laboratory with suitable experience in the design of concrete mixes and mix designs and cube results submitted to the Engineer.

PSG 5.5.3 Mixing

PSG 5.5.3.2 Ready-mixed concrete

The use of ready-mixed concrete for this contract will be permitted.

PSG 5.5.5 Placing

PSG 5.5.5.1 Add the following to Sub-clause 5.5.5.1:

The Contractor shall give the Engineer at least 24 hours' notice of his intention to cast concrete.

PSG 5.5.5.5 Add the following to Sub-clause 5.5.5.5:

Concrete in structures shall not be allowed to fall freely through a height of more than 2, 4 m.

PSG 5.5.5.10 Additional Sub-clause after Sub-clause 5.5.5.9

The use of kickers in walls and columns will be allowed.

PSG 5.5.7 Construction Joints

PSG 5.5.7.1 Add the following to Sub-clause 5.5.7.1:

Before construction work commences, the Contractor shall indicate his proposal for positioning and sequence of proposed construction joints on the drawings and submit these to the Engineer for his comment and approval.

PSG 5.5.7.4 Positions of construction joints in floor and roof slabs (new clause)

When construction joints in the roof slab have to be formed, these joints shall form straight lines parallel to columns lines and shall be located at positions one quarter of the span of the slab over column lines. Panels of the roof slab shall be cast sequentially and not in a chequer-board manner.

When construction joints in the floor slab have to be formed, these joints shall form straight lines parallel to column lines and shall be located one quarter of the column spacing away from the column lines. Panels of the floor slab shall be cast sequentially and not in a chequer-board manner.

PSG 5.5.8 Curing and protection

Replace this clause with the following:

(a) Floor and roof slab and wall footing

Above-mentioned structural elements shall be covered with a layer of clean river sand, 20 mm to 25 mm thick, which shall be kept moist.

If the concrete is exposed to thermal shocks like high temperatures and/or dry, warm winds before the sand can be applied, the concrete shall be protected with approved plastic sheets that comply with the requirements as specified below until the concrete surface can be covered with sand or;

(b) Column footings

Above-mentioned structural elements shall be protected with approved plastic sheets that comply with the requirements as specified below immediately after the prescribed surface finishing has been completed. When the concrete has gained sufficient strength to prevent damage to the surface thereof, the plastic sheets shall be removed on a regular basis to allow the application of more water to the concrete to ensure that it is kept moist continuously. Plastic sheets shall be reinstalled after each wetting of the concrete.

(c) Columns

Columns shall be thoroughly sprayed with water immediately after the removal of formwork. Immediately after this the concrete shall be covered with approved plastic sheets. These shall be removed on a regular basis to allow the application of more water to the concrete to ensure that it is kept moist continuously. Plastic sheets shall be reinstalled after each wetting of the concrete.

(d) Walls

Both sides of walls shall be kept moist. Curing shall commence the day after concrete has been cast and shall continue for at least 10 days.

(e) Determination of intervals and duration of application of water

The duration of water application and the intervals at which it should take place will be determined on site by the Engineer, and shall be such to prevent the concrete from drying out. The duration and intervals shall be adjusted to allow for adverse conditions such as high temperatures and/or dry, windy conditions.

(f) Plastic sheets

Plastic sheets used for curing shall be waterproof and may not be torn or be otherwise discontinuous. It shall be white or light-colored. Black or other dark colored plastic sheets will not be allowed under any circumstances. Sheets shall be held down or fixed securely to the elements being cured and joints in sheets shall be taped to prevent loss of moisture from the concrete. Care shall be exercised to prevent staining of exposed concrete.

(g) Duration of curing

The curing period shall be at least 10 days.

(h) General

Notwithstanding the preceding specifications, the Contractor shall also ensure that the concrete shall not be exposed to thermal shocks during the first 28 days after casting and he shall take the necessary, additional precautionary measures to shield the concrete with plastic sheets or hessian during extreme warm, cold, dry or windy weather conditions. Hessian shall be wetted should the conditions necessitate this. Curing shall be done in such a manner as not to cause staining, contamination or marring of the surface of the concrete.

The Contractor shall take the necessary precautions to prevent water used for curing from penetrating the soil underneath or adjacent construction.

PSG 5.5.9 Adverse weather conditions (see 2.3(a))

PSG 5.5.9.2 Replace the first sentence with the following:

The temperature of the concrete when deposited shall not be allowed to exceed 25° C.

PSG 5.5.10 Concrete Surfaces

PSG 5.5.10.2 Add the following to Sub-clause 5.5.10.2:

(a) Wood-floated Finish

When a wood-floated finish is specified, the surface shall first be treated as specified in Sub-clause 5.5.10.1, and after the concrete has hardened sufficiently, it shall be floated to a uniform surface free from trowel marks with a wood float. The levelled surface shall be wood-floated either by hand or by machine only, to remove trowel marks.

(b) Steel-floated Finish

When a steel-floated finish is specified, the surface shall be treated as specified for a wood-floated finish above, except that when the bleed water has disappeared and the concrete has hardened sufficiently to prevent the migration of concrete foam to the surface, the levelled surface shall be floated with a steel trowel on which a firm uniform pressure shall be applied to provide a dense, smooth, uniform surface free from trowel marks.

(c) Power-floated Finish

When a power-floated finish is specified, the surface shall be treated as specified for a wood-floated finish above, except that the levelled concrete surface shall be power-floated to provide a dense, smooth, uniform surface of high quality free from trowel marks.

PSG 5.5.14 Defects

PSG 5.5.14.1 Add the following to Sub-clause 5.5.14.1:

The method of repair of defects in the concrete shall be by approved epoxy primer, epoxy and filler applied strictly in accordance with the manufacturer's specification or such other methods as may be acceptable to the Engineer. Cementitious mortar may not be used for such remedial works. All repair materials shall be equivalent to concrete in respect of thermal properties and structural elasticity. Such repairs will only be allowed after the defects were inspected by the Engineer and his written approval has been obtained.

PSG 6 **TOLERANCES**

PSG 6.2 **Permissible deviations**

PSG 6.2.3 Specified PDS

Replace the permissible deviation for cover to reinforcement (item (a)3)) with -0 +5 mm irrespective of the Degree of Accuracy.

PSG 7 **TESTS**

PSG 7.2 **Testing**

PSG 7.2.1 General

Add the following:

The Contractor shall allow for all the costs for quality or process control testing in his rates.

PSG 8 **MEASUREMENT AND PAYMENT**

PSG 8.1 **Measurement and rates**

PSG 8.1.2 Reinforcement

Delete Sub-clauses 8.1.2.2 and 8.1.2.3 and substitute the following:

Mild steel and high tensile steel will be measured separately. Welded mesh will be scheduled separately for each type and mass per square metre of mesh.

The rate for steel reinforcement shall cover the cost of supply, cutting, bending, placing in position, and fixing of the reinforcing and supporting steel scheduled, and the provision of all spacer devices and binding wire, as well as the cost of tests in terms of SANS 920. The rate for welded mesh shall cover the supply, cutting and placing of mesh, as well as the cost of all waste due to laps.

PSG 8.1.3      Concrete

Add the following:

Payment for concrete in structures will be made as follows:

Full payment will be made for concrete when it has been placed and accepted by the Engineer as described in Sub-clause 8.1.3.3 and other relevant clauses.

PSG 8.4.9      Curing

(New clause and payment item)

Add the following item:

Curing of concrete (structure to be stated)                      Unit: Sum

The stated sum shall include all costs to cure the concrete as specified in Clause 5.5.8 and PSG-5.5.8 in the structures stated. The curing of concrete in other structures not stated will be deemed to be included in the rates bided for concrete under item 8.4.3. Payment will be made in accordance with PSG-8.1.3(b).

PSG 8.11      Miscellaneous Items (New clause and payment item)

These items will be measured per metre, per square metre, or per number or as a sum as scheduled.

The rate or sum shall cover the cost of the complete supply and installation of the scheduled item in accordance with the specifications and as described in the schedule of quantities and as detailed on the drawings including casting into concrete where applicable.



## TENDER No. 592/07/22

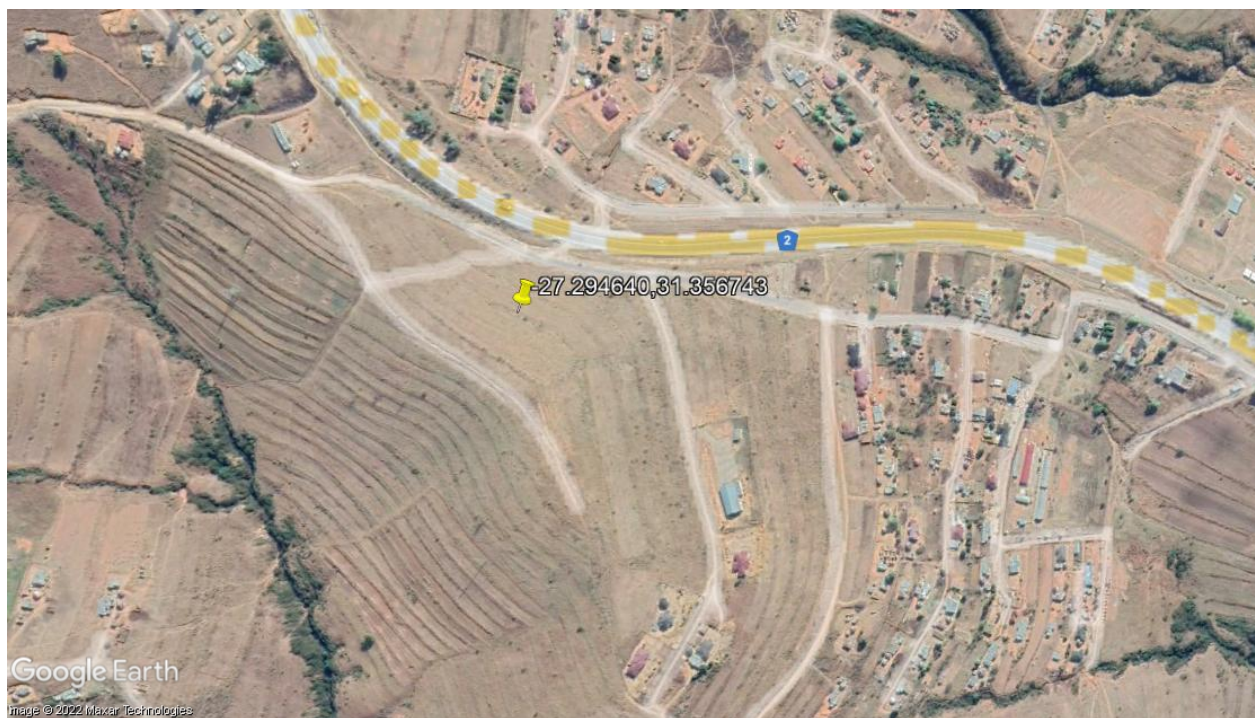
### CONSTRUCTION OF KWATHENGIZWE SPORTSFIELD IN WARD 4

#### PART C4: SITE INFORMATION

##### Locality Plan

KwaThengizwe Sport Facility is situated within the uPhongolo Local Municipality in Ward 4 on the upper North Western Side of Pongola Town. uPhongolo Local Municipality is one of five local municipalities located within the area of the Zululand District Municipality under the KwaZulu Natal Province. KwaThengizwe in Ward 4 area is a medium size rural area which is approximately 35 km from Pongola Town. The site longitude and latitude co-ordinates are 31°21'24.3"E and 27°17'40.7"S respectively. Access to the site is through an unnamed gravel road which detours from N2 which connects to Pongola to Piet Retief - See Figure 1 - Aerial Photograph.

Figure 1: Aerial Photograph



##### Conditions on Site

A visual assessment of the site has been carried out. The site is easily accessible and generally flat with homesteads nearby.

## PART C5: 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 drawings are issued as a separate book of drawings.

The work shall be carried out in accordance with the latest available revision of the drawings approved for construction (AFC)

At commencement of the contract, the Engineer shall deliver to the Contractor copies of the 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.

Tender drawings are issued separately and are listed hereunder:

DRAWING NUMBER	TITLE
UPH_001	General Arrangement
UPH_002	Entrance Plan Layout, Grand Stands and Sections
UPH_003	Change Rooms Plan Layout and Sections
UPH_004	Soccer Field and Combo-Court Layout Details
UPH_005	Septic Tank Layout and Details
UPH_006	Sign Board Details
UPH_007	Foundations Reinforcement Drawings
UPH_008	Electrical Layout

## **PART C6: REQUIREMENTS OF THE EXPANDED PUBLIC WORKS PROGRAMME**

### **C6.1 JOB CREATION REPORTING FOR EPWP**

In order to assist the principal contractor in complying with the goals of creating EPWP job opportunities, the Contractor must provide the following information for reporting purposes:

#### **6.1.1 Type of project data required per project**

Every EPWP project shall collect and keep specific project data for the purpose of EPWP progress reporting.

The data that is required to be kept and maintained for each project includes:

##### **6.1.1.1 Beneficiary data**

A beneficiary list must be maintained for this project. The data required in this beneficiary list is indicated below. This data shall be recorded, checked and signed off by the Contractor on a weekly basis, and shall be submitted to the principal contractor at each monthly site meeting. The beneficiary list shall contain the following data and shall be kept and maintained on site for audit purposes:

- (a) Beneficiary identity – name, surname, initials, date of birth and identity number (or other unique identifier) plus certified copy of ID book (or another unique identifier).
- (b) Beneficiary profiles – nationality, gender, age, education level and disability status.
- (c) Monthly work data for beneficiaries – daily wage to be received, number of calendar days training attended and number of calendar days worked.

##### **6.1.1.2 Project work data**

This generally seeks to confirm the number of people at work daily on the project. The following data must be recorded and maintained on site by the Contractor, in order that it can be provided by the Client to the National Department of Public Works upon request when the latter is undertaking sample auditing. The documentation that should be kept includes:

- (a) Daily attendance register – register for each day showing all the workers that were registered as being at work on that day. Attendance registers shall be completed on site on a daily basis and signed off by the Contractor on a weekly basis.
- (b) Summary of monthly attendance.

##### **6.1.1.3 Project payment data**

This generally seeks to confirm what was paid, for how much work and to whom. It is required that the Contractor adopt one of the following methods as standard procedure for recording and maintaining this information:

- (a) Payment register – this is a list of the workers showing the wages paid to each worker, and signed off by each worker as proof of receipt and acceptance of payment. Information on this register must include the name of the worker, either an identity number or other unique identifier, the number of calendar days that the pay period covers, the wage rate and the total wages paid.

*Alternatively,*

- (b) Bank records showing the transfers to each worker account, signed off by the Contractor as proof of payment – these bank records must specifically show the name of the worker, either an identity number or other unique identifier, the period which the pay covers and the total wages paid.

The project payment data, as recorded and maintained by the Contractor in terms of either (a) or (b) above, must be available and applicable for the entire period for which the principal contractor claims an incentive reward for person-days of work created in terms of the project.

***The minimum daily rate for labor in uPhongolo Municipality is R170 per day.***

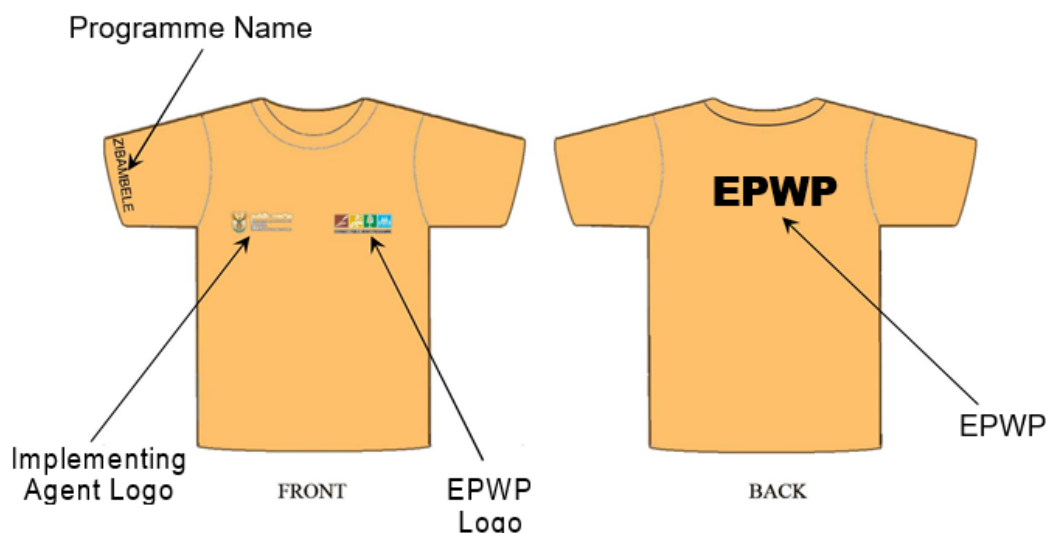
#### 6.1.1.4 Employment output data

The Contractor shall submit to the Client at each monthly site meeting the data necessary to enable the Client to calculate the following employment output data:

- Number of work opportunities created (where one work opportunity = paid work created for one individual on an EPWP project, for any period of time).
- Number of person-days of work created (where one person-day = one day of work carried out by one individual). The total number of person-days of work created on a particular EPWP project shall be obtained by summing the total number of person-days worked by each individual employed during the course of that EPWP project.
- Number of Full Time Equivalents (FTEs) created (= total number of person-days of work created on the EPWP project divided by 230 working days). In terms of EPWP policy, one year of work created for one individual is assumed to comprise a total of 230 days of paid work carried out by that individual.
- Average duration of work opportunities created (= total number of person-days of work created on the EPWP project divided by the number of work opportunities created on that EPWP project).
- Average daily wage rates paid (= accumulated total of the wages paid to all individuals employed on an EPWP project divided by the total number of person-days of work)

### C6.2 EPWP UNIFORM

#### EPWP BRANDING:



#### LOGO OPTIONS:



#### PRINTING ON PPE:

PPE (Overalls) shall be orange with/without reflective tape and shall be branded as follows:

- EPWP logo (printed or embroidered) on the left front pocket location ie over the heart position. (full colour)
- Implementer's Logo on the right front pocket (printed or embroidered) location (full colour)
- The letters EPWP on the back of the PPE in BLACK
- The program name eg Vuk'uphile is to be printed on the left sleeve of short sleeved apparel and may not have to be placed on long sleeved apparel.
- Where required orange safety vests are to be branded with similar specification above. In this instance the Overalls may not necessarily be branded provided that the works ever allow for labour to work without high visibility vests.
- All artwork and PPE samples shall be approved and signed off by the consultant prior to printing/embroidering.