



INDEPENDENT DEVELOPMENT TRUST

Contract No.: DoEEC/08/2022/2023

A Tender for Category 6GB or higher CIDB Registered Contractors

EARLY CHILDHOOD DEVELOPMENT CENTRE AT KWAMATAMBO SENIOR PRIMARY SCHOOL

LOCATED IN LUSIKISIKI, INGQUZA HILL, OR TAMBO DISTRICT, EASTERN PROVINCE

Name of Tenderer : _____

NAME OF DULY AUTHORIZED PERSON: _____

ADDRESS : _____

TEL. NUMBER : _____

CELL NUMBER : _____

FAX NUMBER : _____

E-MAIL : _____

CRS NUMBER : _____

CSD NUMBER : _____

ISSUED BY:

Independent Development Trust
Silverwood House, Bonza Bay Road
Beacon Bay
East London, 5200
Nomnikelo Dyasi
Tel: (043) 711 6024

PREPARED BY:

Osmond Lange Architects
1st Floor Pilot Mill House, The Quarry
Selborne
East London, 5217
David Currie
Tel: (043) 721 0033



INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakaways.

AT

KWAMATAMBO SENIOR PRIMARY SCHOOL

LOCATED IN LUSIKISIKI, INGQUZA HILL, OR TAMBO DISTRICT, EASTERN PROVINCE

TENDER NO: DoEEC/08/2022/2023

CLOSING DATE: 18 JULY 2022 @ 12H00

ISSUED

Independent Development Trust
Physical Address,
Palm Square Business Park
Silverwood House, Bonza Bay Road
Beacon Bay
East London
5200
Contact:
Name: Nomnikelo Dyasi
Telephone: 043 711 6024

PREPARED

Osmond Lange Architects
Physical Address,
1st Floor Pilot Mill House, The Quarry
Selborne
East London
5217
Contact:
Name: Mr. David Currie
Tel: 043 721 0033



INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakaways.

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C4	Site Information
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INDEPENDENT DEVELOPMENT TRUST

T1.1 Tender Notice and Invitation to Tender

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakaways.

It is estimated that tenderers should have a CIDB contractor grading of **6GB or higher**

The physical address for **submission** of tender documents is:

INDEPENDENT DEVELOPMENT TRUST OFFICES
Palm Square Business Park, Silverwood House, Bonza Bay Road
Beacon Bay
East London
5200

Documents will be available from the **17 June 2022.**

The tender documents must be downloaded from IDT Website: www.idt.org.za/business-opportunities/current, tender bulletin, iTender, tenders or National Treasury: eTender on: www.treasury.gov.za from **10 June 2022**

Queries relating to the issues of these documents may be addressed to:

Ms. Nomnikelo Dyasi
Tel No 043 711 6024
E- mail NomnikeloN@idt.org.za

Or

Mr. David Currie
Tel No 043 721 0033
E- mail davidc@o-l.co.za

Tender documents to be submitted at the tender box of the IDT office:

INDEPENDENT DEVELOPMENT TRUST OFFICES
Palm Square Business Park, Silverwood House, Bonza Bay Road
Beacon Bay
East London
5200

Compulsory Site Briefing Meeting will take place at KwaMatambo SPS in Lusikisiki (-31.00109 South, 28.97203 East), Ingquza Hill, OR Tambo District on the 24th of June 2022 @12:00pm.

The closing date and time for receipt of tenders is **18 July 2022 @ 12h00**.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

PLEASE NOTE THE FOLLOWING IMPORTANT DATES
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- Tender Closing Date: **18 July 2022 @ 12h00**
- Compulsory Site Briefing Meeting: **24 June 2022 @ 12h00**



INDEPENDENT DEVELOPMENT TRUST

BID NOTICE No: DoEEC/08/2022/2023: 17 June 2022

Note: BID closes on Monday, 18 July 2022 @ 12:00PM

The Independent Development Trust (IDT) on behalf of the **Department of Education (DoE)** hereby invites prospective service providers to submit bids for construction works on the projects in the Eastern Cape Province as listed below:

CIDB tender value range grading as reflected in the Register of Contractors will be used as indicated below:

Name of Projects	Town	IDT Project Number	EMiS Number	CIDB Grading	Compulsory Site Inspection Meeting	Principal Agent
KwaMatambo SSS -31.00109 S; 28.97203 E	LUSIKISIKI	DOE15ECAR025	200500373	6GB or higher	24 June 2022 at 12:00PM	David Currie Osmond Lange Architects & Planner 043 721 0033

Compulsory Site Briefing Meeting will take place at **KwaMatambo SPS** in Lusikisiki (-31.00109 South, 28.97203 East), **Ingquza Hill, OR Tambo District** on the **24th of June 2022 @12:00pm**.

Bid Documents which must be completed and submitted are available for download on IDT website: www.idt.org.za/business-opportunities/current-tenders or National Treasury eTender on: www.treasury.gov.za from **Friday 17 June 2022**. Due to COVID 19. All documents must be downloaded and printed by the bidders from the above-mentioned sites.

Bidders shall meet the following compulsory requirements before being evaluated further on functionality, price and B-BBEE:

Tender

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T1.1

Part T1: Tendering procedures

Tender Notice and Invitation to Tender

BID No: DoEEC/08/2022/2023

Mandatory Requirements/Documents:

- CSD documents/report (if JV submit both CSDs or for JV)
- Required CIDB Grading equivalent for the works, CIDB grading to be valid & active. JV's to submit consolidated CIDB Grading.
- Valid Letter of Good Standing (Workman's Compensation, COIDA) or FEM Letter of Good Standing. If JV all partners must submit with Compensation for Occupational Injuries and Diseases Act (COIDA) Registration Certificate
- Bidders are requested to submit a detailed CIPC document with ALL the original certified ID's within a period of 3 months of all directors listed in CIPC.
- All SBD's to be duly completed and signed: - 1,4, 6.1, 6.2, under Part 2 (T2.2)
- SBD 6.2 (Fully & Duly Completed and Signed Local content form (SBD 6.2) including all the annexures C, D & E. Bidders must return Annexure C. All blanks spaces must be completed. Bidders to indicate items that are not applicable.)

NB: Failure to comply with any of the above-mentioned requirements will result in automatic disqualification of the bid response.

Non-Mandatory Returnable Documents:

- Valid Tax Clearance or SARS PIN (if JV each partner to submit either SARS PIN or Valid Tax Clearance Certificates)
- Joint Ventures (JV) must submit an original certified copy of a consolidated B-BBEE status level, only Verification Agency accredited by SANAS in order to qualify for points for their B-BBEE status level as an unincorporated entity and Must Sign the JV agreement.
- No consolidated sworn affidavit will be considered

Local Production and Content (SBD 6.2)

1. Bidders are hereby notified that the minimum threshold for local production and content for construction materials is tabulated below. Bidders are to identify components relevant for the scope of work bidding for.

Description of Service (Construction Materials)	Stipulated Threshold	Minimum
Roof Sheeting	100%	
Reinforcing bars	100%	
Window Frames	100%	
Door Frames	100%	
Gutters and Downpipes	100%	

Wire Products	100%
Fasteners	100%
School Furniture	100%

2. Bidders are further notified that bids in respect of steel and components for construction must contain a specific bidding condition which states that:
 - 2.1 Only locally produced or locally manufactured steel products and components for construction with a stipulated minimum threshold for local production and content will be considered.
 - 2.2 If the quantity of steel products and components for construction required cannot be wholly sourced from South African (SA) based manufacturers and/or at the designated local content threshold stipulated in the above table at any time, bidders and the procuring entities should obtain a written exemption from the DTI. The DTI, in consultation with the procuring organ of state and the local industry, will consider the exemption applications on a case-by-case basis.
 - 2.3 Bidders must clearly indicate in their bids the quantities to be supplied and the level of local content for each product.
3. The exchange rate to be used for the calculation of local production and content must be the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of bid; and only the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 must be used to calculate local content.
4. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the formula disclosed in SBD 6.2 inserted in the bid document

Preferences are offered to Tenderers who have a proven track record in the building industry with special emphasis on similar facilities. Only Tenderers who are competent in the advertised work, will be evaluated on an 80/20 criteria based on the Treasury Regulations of 2017, where functionality will be evaluated as follows:

Criteria Points Allocation

Evaluation Criteria

STAGE 1 – Functionality -

Bidders are to obtain a minimum of 60 points of the total functionality points to be considered for the next stage

FUNCTIONALITY

FUNCTIONALITY AREA	Points
Previous Experience on similar projects	40
References for above listed similar projects	30
Qualifications & CVs (Competency of Key personnel to be deployed on the project)	20
Programme Schedule	10
Total	100 points

DESCRIPTION OF FUNCTIONALITY FOR ALLOCATION OF POINTS:

1. Previous Experience on similar projects (40 points)
2. Client Reference (30 points)
3. Qualification & Competencies of Key Staff (20 points)
 - A. Qualification of Key Staff to be deployed on the project (12 points))
 - C. Years of Experience (8 points)
4. Programme Schedule (10 points)

STAGE 2 – Price and B-BBEE -

In order to claim and be awarded B-BBEE points, Bidders must submit fully completed Preference Points Claim Forms (SBD 6.1) with an original or an original certified copy of B-BBEE certificate (not older than 3 months), issued by SANAS or Accredited Verification Agency or an original Sworn Affidavit signed by a Commissioner of Oaths and Joint Ventures (JV) must submit an original certified copy of a consolidated B-BBEE Status Level Contributor Certificate obtained from SANAS Accredited Verification Agency, no consolidated Sworn Affidavit will be considered. (Note - An incomplete affidavit will not be acceptable, Sworn Affidavits for EME's and QSE's must be originals. No copies of affidavits will be accepted for claiming B-BBEE points)

(Failure to submit will render Bidder scoring Nil points in this regard)
B-BBEE points are allocated as follows:

Price	80 points
B-BBEE Status Level Contributor	20 points
TOTAL	100 points

Allocation of points for B-BBEE Status Level Contributor:

B-BBEE Status Level Contributor	Points
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-contributor	0

Bidders that do not get a positive response from the IDT within a period of 90 days from the closing date, should understand that their Bids have not been successful.

For enquiries, please contact:

PROVINCE	PROJECT	CONTACT PERSON FOR ENQUIRIES	CONTACT NUMBERS	EMAIL ADDRESSES
Eastern Cape	ECDC at KwaMatambo SPS	David Currie (Technical)	043 721 0033 Osmond Lange Architects & Planner	Davidc@o-l.co.za
		Nomnikelo Dyasi (SCM)	043 711 6024 IDT	NomnikeloN@idt.org.za

DEPOSIT/RETURN OF BID DOCUMENTS:

- Telegraphic, telephonic, telex, facsimile, electronic and/or late bids will not be accepted
- Requirements for sealing, addressing, delivery, opening and assessment of bids are stated in the Bid Data document
- All bids must be submitted on the official forms – (not to be re-typed)
- Bids will not be opened in public

BID DOCUMENTS MAY BE POSTED TO: N/A	O R	DEPOSITED IN THE BID BOX AT: INDEPENDENT DEVELOPMENT TRUST, PALM SQUARE BUSINESS PARK, SILVERWOOD HOUSE, BONZA BAY ROAD, BEACON BAY, EAST LONDON
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INDEPENDENT DEVELOPMENT TRUST

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T1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement. (See www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of tenderers as an Annex to this Tender Data.

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The additional conditions of tender are:

Clause number	Tender Data for BID NO: DoEEC/08/2022/2023
F.1.1	The employer is the Independent Development Trust, Limpopo Region
F.1.2	The tender documents issued by the employer comprises: T1.1 Tender notice and invitation to tender T1.2 Tender data T2.1 List of returnable documents T2.2 Returnable schedules Part 1: Agreements and contract data C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Form of Guarantee C1.4 Adjudicator's appointment Part 2: Pricing data C2.1 Pricing instructions C2.2 Activity schedules / Bills of Quantities Part 3: Scope of work C3.1 Scope of work Part 4 : Site information C4 Site information Addenda Addendum A: Occupational Health and Safety Regulations and Specifications - Covid-19 Specification - HIV/AIDS Specification Addendum B: Notification of Construction Work Addendum C: Environmental Management Plan Addendum D: Drawings Addendum E: JBCC

F.1.4 The employer's agent is:

Name: **Osmond Lange Architects**

Address: 1st Floor Pilot Mill House, The Quarry Selborne, East London, 5217,

Tel: 043 721 0033

Fax: 043 721 0038

E-mail: davidc@o-l.co.za

F.2.1 Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a **Grade 6GB or higher class** of construction work, are eligible to submit tenders.

Joint ventures are eligible to submit tenders provided that:

1. every member of the joint venture is registered with the CIDB;
2. the lead partner has a contractor grading designation in the Grade 6GB or higher class of construction work; and
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 tendered for a **(6GB or higher) General Building** class of construction work.

F.2.7 There shall be a compulsory briefing with representatives of the employer at KwaMatambo SPS (-31.00109 S: 28.97203 E) on FRIDAY the 24th of JUNE 2022

F.2.12 No alternative tender offers will be considered

F.2.13.3 Parts of each tender offer communicated on paper shall be submitted as one original (i.e. no copies should be submitted).

F.2.13.5 The employer's address for delivery of tender offers and identification details to be shown on each tender offer package are:

Location of tender box: Physical address: -

INDEPENDENT DEVELOPMENT TRUST OFFICES

Palm Square Business Park, Silverwood House, Bonza Bay Road
Beacon Bay
East London
5200

Identification details:

Project no: BID No: DoEEC/08/2022/2023

Title: Construction of Early Childhood Development Centre at KwaMatambo SPS

F.2.15 The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.

Closing date: 18 July 2022

Closing time: 12h00

F.2.15 Telephonic, Telegraphic, Telex, Facsimile or E-mailed tender offers will not be accepted.

F.2.16 The tender offer validity period is **90 (Ninety) days**.

Part T2: Returnable documents

BID No: DoEEC/08/2022/2023

- F.2.17 The contract duration is **12 Months** from date of Site Handover.
- F.2.23 The tenderer is required to submit with his tender a Certificate of Contractor Registration issued by the Construction Industry Development Board; Compensation of Injury Diseases Act certificate (COIDA) and a valid Tax Clearance Certificate issued by the South African Revenue Services.
Where a tenderer tenders through joint venture formation, such tenderers should include a joint venture agreement duly signed by each partner and stamped by commissioner of oath.
- F.3.4 Tenders will not be opened immediately after the closing time, they will be posted on the IDT Website within 7 days of closure.

F.3.11 Tender offers will only be accepted if the following are submitted

No	Gate Keeper (Compulsory) Criteria	Gate Keeper Criteria Description
1	Valid CSD registration report with supplier number	Valid CSD registration summary report printed from the CSD website with supplier number
2	Proof of authority to sign the document must be submitted e.g. company resolution.	Proof of authority to sign the document must be submitted on Company Letterhead e.g. company resolution.
3	Letter of good standing/Copy of registration (COIDA/FEM) from the Department of Labour	Valid Letter of Good Standing (Workman's Compensation, COIDA) or FEM Letter of Good Standing. If JV all partners must submit
4	CIDB Grading Certificate.	Required valid and active CIDB Grading equivalent for the works. JV's to submit consolidated CIDB Grading.
5	Fully & Duly Completed Detailed Bill of Quantities (BOQ), Written In Black Ink	All items in the original Bill of Quantities must be priced (rates and amounts and totals) with the exception of preliminaries (contractor can select options in line with the PBA JBCC March 2005 Edition 4.1), written in Ink. No Copies, no correctional fluids, erasable pen or a lead pencil must be used in the BOQ. Only black ink must be used to complete documents. Any mistakes must be neatly crossed out and countersigned by all relevant parties. All blanks spaces to be completed.
6	Consortium / Joint Venture Agreement	If Applicable , JV Agreement signed by all parties of the JV. and signed & stamped by the commissioner of oaths.
7	Duly Completed Form of Offer	Fully & Duly Completed and Signed form of offer and witnessed. All blanks spaces must be completed.
8	Duly completed and signed Invitation to BID, Part A and B (SBD 1)	Fully & Duly Completed and signed Invitation to BID, Part A and B (SBD 1). All blank spaces must be completed. Bidders to indicate items that are not applicable.
9	Bidder's Disclosure (SBD 4)	Fully & Duly Completed and Signed Declaration of Interest Form (SBD 4). All blank spaces must be completed. Bidders to indicate items that are not applicable.
10	Duly Completed and Signed Preference points claim form in terms of PPPFA, Procurement Regulations 2017 (SBD 6.1)	Fully & Duly Completed and Signed Preference points claim form in terms of PPPFA, Procurement Regulations 2017 (SBD 6.1). All blanks spaces must be completed. Bidders to indicate items that are not applicable.
11		Fully & Duly Completed and Signed Local content form (SBD 6.2) including all the annexures C, D & E. Bidders must return Annexure C. Annexure D & E to be kept by the bidder for verification/audit upon appointment. All blanks spaces must be completed. Bidders to indicate items that are not applicable.
		Only locally (South Africa) manufactured product that meet the stipulated minimum threshold for local content will be considered (Preferential Procurement Regulations 2017).
	Duly Completed and Signed Local content form (SBD 6.2)	A Bid that fails to meet the stipulated threshold for local production and content is unacceptable and will be disqualified
12	No Copies, no correctional fluids, erasable pen or a lead pencil will be used on any of the submitted forms. Only black ink must be used to complete documents. Any mistakes must be neatly crossed out and countersigned by	No Copies, no correctional fluids, erasable pen or a lead pencil will be used on any of the submitted forms. Only black ink must be used to complete documents. Any mistakes must be neatly crossed out and countersigned by all relevant parties.

	all relevant parties.	
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Instruction notes:

- All blanks spaces must be completed on all the SBD forms.
- Bidders to indicate items that are not applicable to them on all the forms.
- Bidders are advised to fill in the correct information on all the SBD forms.
- Bidders are encouraged to familiarize themselves with the project site in order to assist them in planning, pricing and executing the project.
- All Bidders are required to be registered on CSD (Central Supplier Database) with National Treasury.
- Please Provide CSD Registration report with supplier number with your Bid.

4.3.3 Functionality Criteria

Variables	Total Points	Criteria	Description Of Criteria	Points
<u>Functionality Points</u>	100			
Previous Experience on similar scale projects	40	5 or more similar projects and value	Points allocated for proven records of accomplishment based on the similar scale of previous projects executed by tenderer not older than 5 years. <ul style="list-style-type: none"> • Profile or track record of previous work done which must include relevant projects in nature and value, strictly in the template provided • Bidders must submit appointment letters and completion certificates for completed projects listed on track record, failure to submit appointment letter and completion certificates will result in no points being awarded. 	40
		4 similar projects and value		32
		3 similar projects and value		24
		2 similar projects and value		16
		1 similar project and value		8
		0 similar project and value		0

Variables	Total Points	Criteria	Description Of Criteria	Points
References for above listed similar projects	30	5 or more references	<ul style="list-style-type: none"> Projects listed under track record are the only ones to be referenced Reference must contain Contactable details Reference letter must be from client (employer) & must indicate the value of project as well as the time frame allocation in completing the project and must be signed and stamped and scored in order to get allocation of points. Make use of the allocated IDT Reference pages in the tender document only to do referencing. <u>Failure to use IDT reference template will result in no points being awarded</u> 	30
		4 references		24
		3 references		18
		2 references		12
		1 reference		6
		0 references		0
Qualifications & competencies of key staff	20	Qualification of Key Staff to be deployed on the project	CVs and Original Certified Qualifications of relevant individuals to the project e.g. Project Manager / Quantity Surveyor , Site Manager/ Agent and Foreman. Criteria Listed in Detail Below	12
		Years of Experience		8
Programme schedule	10	Construction Activities	Points allocated for sequential activities within	4
		Activity duration and overall		4

Variables	Total Points	Criteria	Description Of Criteria	Points
		project duration	the construction period and showing clear and concise milestones on scope of work by tenderer/bidder in consideration	
		Construction Sequence		2
		Programme schedule not submitted		0

Notes:

1. Bidders are required to score minimum points of 60 (60%) for Functionality stated in tender data.
2. Bidders who fail to meet the required minimum number of points for functionality stated in the tender data will not be evaluated further.
3. Bidders who fail to submit information as per the returnable schedules will not be allocated points.

The functionality will be scored using the following values:

A maximum equal to 100 tender evaluation points will be awarded for quality, sub-divided according to the following:

- 100 points – Quality
 - 40 points – Experience on similar scale projects
 - 30 points – References for above listed similar projects
 - 20 points – Qualifications & CVs (Competency of Key personnel to be deployed on the project)
 - 10 points – Programme Schedule

Experience on similar scale projects:

Value of work evaluation (No points will be allocated for value of works for Civil Engineering Projects, Water, Transport, Traffic Engineering and all Electrical & Mechanical Projects)

Value of work (6GB)	Rating
10.1m and above	Very Good
5.1m – 10m	Good
3.1m – 5m	Satisfactory
1.1m – 3m	Poor
0m – 1m	Not Submitted

Nature of Work	Rating
Construction of major and renovations of Hospitals, Clinics, Schools, Libraries, Hotels, Malls, shopping Complex, Courts, Office blocks, Town Houses, prisons, Church, Civic center	Very Good
Construction and renovation of Residential Houses and Community hall, indoor sport complex and stadia	Good
Construction and renovations of Enviro-loo toilets, Low cost houses (RDP), Taxi Rank.	Satisfactory
Construction and renovations of residential household toilets (VIP toilets)	Poor
Engineering Projects (Water, Transport, Traffic Engineering, Electrical & Mechanical Projects).	No points

Nature of work evaluation

Qualifications & Key Personnel

Education	Project Manager/ Construction Manager (List a minimum of 1 for each)		
	Holding a Degree related to the construction Environment		4
	Holding Diploma related to the construction Environment		3
	Holding a Certificate related to the construction Environment		1
	None submission of original certified qualifications		0
Compete	Over 6 Years of experience		2
	Less than 6 Years of experience		1
Site Agent (List a minimum of 1 for each)			
Education	Holding a Degree related to the construction Environment		4
	Holding Diploma related to the construction Environment		3
	Holding a Certificate related to the construction Environment		2
	None submission of original certified qualifications		1
Compete	Over 6 Years of experience		3
	Less than 6 Years of experience		2
Foreman (List a minimum of 1 for each)			
Education	Holding a Degree related to the construction Environment		4
	Holding Diploma related to the construction Environment		3
	Holding a Certificate related to the construction Environment		2
	None submission of original certified qualifications		1
Compete	Over 6 Years of experience		3
	Less than 6 Years of experience		2

Client References

The Tenderer shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Client Reference Scorecards" will be completed, signed by each of the respective Clients and principal agents and stamped by both the client and the principal agent for the projects listed in the "Relevant Experience" returnable schedule.

Contracting Document

JBCC Series 2000 PBA March 2005, Edition 4.1

4.3.4. Preferential procurement system

80/20 preferential procurement system to be utilized as per PPPFA 2017. The project is below R50m.

Variables	Total Points	Criteria	Description Of Criteria	Points
<u>B-BBEE</u>	<u>20</u>	B-BBEE Contributor level 1	Points allocated to entities who are contributing towards the empowerment of black people (a SANAS accredited B-BBEE Certificate MUST be submitted with the bid documents before any points can be allocated)	20
		B-BBEE Contributor level 2		18
		B-BBEE Contributor level 3		14
		B-BBEE Contributor level 4		12
		B-BBEE Contributor level 5		8
		B-BBEE Contributor level 6		6
		B-BBEE Contributor level 7		4
		B-BBEE Contributor level 8		2
		Non-compliant contributor	Bidders to submit Original Sworn Affidavit B-BBEE or SANAS certified copies not older than 6 months). Joint Ventures / Consortia entities must submit a consolidated B-BBEE certificate from SANAS-Accredited verification agency in order to qualify for points for their B-BBEE status level as an incorporated entity. Sworn affidavits for joint ventures will not be considered.	0
Financial Offer / Price:				
Financial Offer/Price	80	Formula=2 Option 1,A={1-{p-pm/pm}}	Formula used to calculate financial offer/price points	
		Pm=The comparative Price offer of the mean/average quantifying tenderer		
		P=The comparative offer of the tender under consideration		
	100			

BBBEE

A bidder must submit proof of B-BBEE status level of contributor. A tenderer failing to submit proof of B-BBEE status level of contribution or is a non-compliant contributor to B-BBEE may not be disqualified, but may only score points out of 80 for price; and scores 0 points out of 20 for B-BBEE.

Bidders who qualify as EMEs should submit Original Sworn affidavit signed by the EME representative and attested by a Commissioner of oaths.

Joint Ventures / Consortia entities must submit a consolidated B-BBEE certificate from SANAS-Accredited verification agency in order to qualify for points for their B-BBEE status level as an unincorporated entity. Including EMEs and QSE, sworn affidavit Join Venture will not be considered as is not valid

1. LIST OF RETURNABLE SCHEDULES

Returnable Schedules required only for tender evaluation purposes (certified copies not older than six months or originals of the following documents):

No	Non Statutory (Non Compulsory) Requirements	Non Statutory (Non Compulsory) Requirements Description
1	Checklist for Tender Submission	Checklist for Tender Submission
2	Details of Tender	Details of Tender
3	Letter of Intent to Provide Security / Guarantee	Letter of Intent to Provide Security/ Guarantee from accredited financial institution
4	Contractor's Health and Safety Declaration	Contractor's Health and Safety Declaration
5	Litigation History	Litigation History – bidder to disclose all the pending litigations against their company
6	Past Projects undertaken by the Tenderer in the last 10 years	Past Completed Projects undertaken by the Tenderer in the last 10 years
7	BBBEE certificate	<p>Points allocated to entities who are contributing towards the empowerment of black people (an Original Sworn Affidavit B-BBEE or SANAS accredited B-BBEE Certificate MUST be submitted with the bid documents before any points can be allocated)</p> <p>Bidders to submit Original Sworn Affidavit B-BBEE or SANAS certified copies not older than 6 months).</p> <p>Joint Ventures / Consortia entities must submit a consolidated B-BBEE certificate from SANAS-Accredited verification agency in order to qualify for points for their B-BBEE status level as an incorporated entity. Sworn affidavits for joint ventures will not be considered.</p>
8	Tenderer's Competence & Performance on Similar Projects	Tenderer's Competence & Performance on Similar Projects
9	Record of Addenda to Tender Documents	Record of Addenda to Tender Documents
10	Proposed amendments and Qualifications	Proposed amendments and Qualifications
11	Method Statement	Method Statement
12	Detailed Construction Programme	Detailed Construction Programme
13	Detailed Cash-Flow	Detailed Cash-Flow
14	Key Personnel	Curriculum Vitae of Key Personnel and Certified Qualifications that are not older than 6 months
15	Proposed Project Organogram	Proposed Project Organogram
16	Detailed Resourcing schedule	Detailed Resourcing schedule
17	Schedule of Plant and Equipment	Schedule of Plant and Equipment
18	Contractor's Safety Record	Contractor's Safety Record
19	Tax Clearance certificate	Submission of valid Tax compliance status form (PIN)

Notes:

1. Tenderers are required to score minimum points of 60 for Functionality stated in tender data.
2. Tenderers who fail to meet the required minimum number of points for functionality stated in the tender data will not be evaluated further.

3. Tenderers who fail to submit information as per the returnable schedules will not be allocated points.

T2.1.20 EVALUATION SCHEDULE: CLIENT REFERENCES

The Tenderer shall provide details of his performance on each of the previous projects listed in the “Relevant Experience” returnable schedule. “Client Reference Scorecards” will be completed by each of the respective Clients for the projects listed in the “Relevant Experience” returnable schedule.

The following are to be **completed by the Client / Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Either the Client or the Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client:

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Project management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

Principal Agent Firm:

Telephone:

PA Signature:

Date:

Stamp

Client Signature:

Date:

Stamp

T2.1.20 EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES

The following are to be **completed by the Client / Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Either the Client or the Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client: ..

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

.....

Principal Agent Firm:

Telephone:

PA Signature:

Date:

Stamp

Client Signature:

Date:

Stamp

T2.1.20 EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES

The following are to be **completed by the Client / Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Either the Client or the Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client: ..

Contract Amount:.....

Contract Duration:.....

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....
.....

Principal Agent Firm:

Telephone:.....

PA Signature:

Date:

Stamp

Client Signature:.....

Date:

Stamp

T2.1.20 EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES

The following are to be **completed by the Client / Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Either the Client or the Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client: ..

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....
.....

Principal Agent Firm:

Telephone:

PA Signature:

Date:

Stamp

Client Signature:

Date:

Stamp

**T2.1.20 EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETENCE & PERFORMANCE ON A
SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES**

The following are to be **completed by the Client / Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Either the Client or the Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client:

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....
.....

Principal Agent Firm:

Telephone:

PA Signature:

Date:

Stamp

Client Signature:

Date:

Stamp

T2.1.20 EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETENCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES

The following are to be **completed by the Client / Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Either the Client or the Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client: ..

Contract Amount:.....

Contract Duration:.....

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor.

.....
.....

Principal Agent Firm:

Telephone:.....

PA Signature:

Date:

Stamp

Client Signature:.....

Date:

Stamp

Relevant Experience (Returnable schedule)

The Tenderer shall provide details of his performance on each of the previous relevant projects. Failure to complete the table below will result in no points allocated. No “see attached” will be accepted

LIST THE FIVE SIMILAR PROJECTS COMPLETED BY YOUR FIRM IN THE LAST 5 YEARS			
<i>Name of Project Completed and Scope of work</i>	<i>Name of Project Manager & Telephone no.</i>	<i>Name of Client & Telephone no.</i>	<i>Value of Project</i>

Record of Addenda to tender documents

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Attach additional pages if more space is required.

Signed

Date

Name

Position

Identity
number

Tenderer

SCHEDULE OF PLANT AND EQUIPMENT

The following are lists 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. **(Please attach proof of ownership of plant owned)**

(a) Details of major equipment owned by me / us and immediately available for this contract.

PLANT AND EQUIPMENT	DESCRIPTION (type, size, capacity etc)	LICENSE NUMBER	YEAR OF MANUFACTURE
<i>Plant and Equipment 1</i>			
<i>Plant and Equipment 2</i>			
<i>Plant and Equipment 3</i>			
<i>Plant and Equipment 4</i>			
<i>Plant and Equipment 5</i>			
<i>Plant and Equipment 6</i>			

Attach additional pages if more space is required

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

PLANT AND EQUIPMENT	DESCRIPTION (type, size, capacity etc)	LICENSE NUMBER	HOW ACQUIRED	
			HIRE/BUY	SOURCE
<i>Plant and Equipment 1</i>				
<i>Plant and Equipment 2</i>				
<i>Plant and Equipment 3</i>				
<i>Plant and Equipment 4</i>				
<i>Plant and Equipment 5</i>				
<i>Plant and Equipment 6</i>				

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.

Failure to complete this form properly and correctly, will lead to the conclusion that the tenderer does not have the necessary plant and equipment resources at his disposal, which will prejudice his tender.

SIGNATURE: IDENTITY NUMBER:

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

DATE:

REFERENCES

The following is a statement of traceable, current References (suppliers and/or plant hire):

[illegible]

SIGNATURE: IDENTITY NUMBER:

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

DATE:.....

KEY PERSONNEL

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

The bidder to submit the following key person CV's and qualifications that will be allocated unto the project

- Project Manager/ Construction Manager
- Site Agent
- Foreman

If a company does not meet the above minimum requirements, it will be considered high risk.

Provide details of key personnel below

Name and Surname	Position	Qualification	CV attached	Certified certificate attached	No. of years of relevant experience
	Project Manager				
	Site Agent				
	Foreman				

INDEPENDENT DEVELOPMENT TRUST

reserves the right to request the Tender to provide the documentation within 24 hrs failing which it will result in the tenderer not passing the risk assessment.

Signed on behalf of the Tenderer		Date	
----------------------------------	--	------	--

This section must be completed in full and aligned to attachments, organogram submitted failure to do so will result in no allocation of points

CURRICULUM VITAE OF KEY PERSONNEL (COMPULSORY)

(CVs and Certified Qualifications that are not older than 6 months are required only for site agent and contract or project manager).

CV FOR CONTRACT OR PROJECT MANAGER

Name:	Date of birth:
Profession:	Nationality:
Qualifications:	
Professional Registration Number:	
Name of Employer (firm):	
Current position:	Years with firm:
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required service:</u>	

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

SIGNATURE: IDENTITY NUMBER:

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

DATE:.....

CV FOR SITE AGENT

Name:	Date of birth:
Profession:	Nationality:
Qualifications:	
Professional Registration Number:	
Name of Employer (firm):	
Current position:	Years with firm:
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required service:</u>	

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....
SIGNATURE OF THE INCUMBANT IN THE SCHEDULE

.....
DATE

.....INCUMBANT'S IDENTITY NUMBER

CV FOR TECHNICIAN / ARTISAN

Name:	Date of birth:
Profession:	Nationality:
Qualifications:	
Professional Registration Number:	
Name of Employer (firm):	
Current position:	Years with firm:
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required service:</u>	

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....
SIGNATURE OF THE INCUMBANT IN THE SCHEDULE

.....
DATE

.....
INCUMBANT'S IDENTITY NUMBER

CV FOR FOREMAN

Name:	Date of birth:
Profession:	Nationality:
Qualifications:	
Professional Registration Number:	
Name of Employer (firm):	
Current position:	Years with firm:
<u>Employment Record:</u>	
<u>Experience Record Pertinent to Required service:</u>	

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....
SIGNATURE OF THE INCUMBANT IN THE SCHEDULE

.....
DATE

.....
INCUMBANT'S IDENTITY NUMBER

PRELIMINARY PROGRAMME

The Tenderer shall 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.

NOTE: ONLY COMPUTIRSED PRELIMINARY PROGRAM WILL BE CONSIDERED

PROGRAMME (EXAMPLE ONLY)

ACTIVITY	MONTHS									
	1	2	3	4	5	6	7	8	9	10

[Note: The programme must be based on the completion time as specified in the Contract Data. No other completion time that may be indicated on this programme will be regarded as an alternative offer, unless it is listed in Table (b) of Form I hereafter and supported by a detailed statement to that effect, all as specified in the Tender Data]

The following aspects of the preliminary programme will be considered:

- Programme Heading
- The programme is specific and tailored for the execution of the project, is comprehensive and is logically correct
- The activities are well articulated with headings and sub headings and show relevant milestones
- The activities that occur simultaneously are showing
- The activities that depend on each other are linked
- The activities that required stages are indicated
- Milestones are shown
- There are resources aligned / embedded to the programme
- Cause and effect of the programme can be determined such that the critical path is shown
- The lead times and lag times are clear and being considered for ordering of materials and staffing requirements
- Non-Working Days and Been Taken Into Consideration
- Has the Programme been divided into Phases
- The Cash Flow to Relate to the Programme
- The programme to show resource histogram
- The Resource Histogram to Show Unskilled Labour

SIGNATURE: IDENTITY NUMBER:

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

DATE:.....

PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE INDEPENDENT DEVELOPMENT TRUST					
BID NUMBER:	DoEEC/08/2022/2023	CLOSING DATE:	18 July 2022	CLOSING TIME:	12h00
DESCRIPTION	<p>Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakaways.</p>				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED					
Palm Square Business Centre, Silverwood House, Bonza Bay Road, Beacon Bay					
East London					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Nomnikelo Dyasi		CONTACT PERSON	Marius Helm	
TELEPHONE NUMBER	043 711 6024		TELEPHONE NUMBER	043 721 0033	
FACSIMILE NUMBER			FACSIMILE NUMBER	043 721 0038	
E-MAIL ADDRESS	NomnikeloN@idt.org.za		E-MAIL ADDRESS	davidc@o-l.co.za	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA

a) 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]	b) ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
---	--	--	--

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
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 BELOW.	

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 IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE JOINT BUILDING CONTRACT COMMITTEE (JBCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A JBCC AGREEMENT.
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 VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

BIDDER'S DISCLOSURE**1. PURPOSE OF THE FORM**

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise, employed by the state?

YES / NO

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?

YES / NO

2.2.1 If so, furnish particulars:

.....

.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

YES / NO

2.3.1 If so, furnish particulars:

.....

.....

3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

3.1 I have read, and I understand the contents of this disclosure.

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect.

3.3 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 will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

3.4 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.

3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

3.6 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.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING

AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....

Signature

Date

.....

Position

Name of bidder

1. DECLARATION WITH REGARD TO COMPANY/FIRM

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

1.2 VAT registration number:.....

1.3 Company registration number:.....

1.4 TYPE OF COMPANY/ FIRM

☐ Partnership/Joint Venture / Consortium

☐ One person business/sole propriety

☐ Close corporation

☐ Company

☐ (Pty) Limited

[TICK APPLICABLE BOX]

1.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

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

1.6 COMPANY CLASSIFICATION

☐ Manufacturer

☐ Supplier

☐ Professional service provider

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

[*TICK APPLICABLE BOX*]

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

i) The information furnished is true and correct;

WITNESSES

1.

2.

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

DATE:

ADDRESS

NOTE: Failure of a tenderer to fully complete and sign this part of this SBD form in full will invalidate the tender

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

- a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable; or
- b) Either the 80/20 or 90/10 preference point system will be applicable to this tender (*delete whichever is not applicable for this tender*).

1.3 Points for this bid shall be awarded for:

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

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

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 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

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“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 goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

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

80/20

or

90/10

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

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{\min} = Price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

- 4.1 In terms of Regulation 6 (2) and 7 (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	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

5. BID DECLARATION

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

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

- 6.1 B-BBEE Status Level of Contributor: = ...(maximum of 10 or 20 points)
(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.)

7. SUB-CONTRACTING

- 7.1 Will any portion of the contract be sub-contracted?

(*Tick applicable box*)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- 7.1.1 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 or QSE

(*Tick applicable box*)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
 - ☐ One person business/sole propriety
 - ☐ Close corporation
 - ☐ Company
 - ☐ (Pty) Limited
- [TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

.....

8.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
 - ☐ Supplier
 - ☐ Professional service provider
 - ☐ Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

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

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

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

WITNESSES

- 1.
- 2.

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

DATE:

ADDRESS

.....

.....

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) 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, 2017, 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, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders 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.
- 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 South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 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

2. 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:

3.

Item	Description of Service	Stipulated Minimum Threshold
A	Roof Sheetting	100%
B	Reinforcing bars	100%
C	Window Frames	100%
D	Door Frames	100%
E	Gutters and Downpipes	100%
F	Wire Products	100%
G	Fasteners	100%
H	School Furniture	100%

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

(Tick applicable box)

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

3.1 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 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.

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.

4. 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 AO/AA 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 Institution):

.....
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.thdti.gov.za/industrial-development/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 percentage (%) 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 / Institution 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 / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

	Pula	EU	GBP
0	0	0	0

Part T2: Returnable documents
BID No: DoEEC/08/2022/2023

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1) Tender No.
(D2) Tender description:
(D3) Designated Products:
(D4) Tendering Authority:
(D5) Tendering Entity name:
(D6) Tender Exchange Rate:

Notes: VAT to be excluded from all calculations

Pula

EU R 9,00

GSP R 12,00

A. Exempted imported content

A. Exempted imported content										
Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of Imports	Calculation of imported content			Total landed cost excl VAT
							Freight costs to port of entry	All locally incurred landing costs & duties		
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	

(D19) Total exempt imported value R

This total must correspond with Annex C - C 21

B. Imported directly by the Tenderer

B. Imported directly by the Tenderer										
Tender Item no's	Description of imported content	Unit of measure	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of Imports	Calculation of imported content			Total landed cost excl VAT
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	Freight costs to port of entry	All locally incurred landing costs & duties	(D27)	(D28)
										(D29)

(D32) Total imported value by tenderer R

C. Imported by a 3rd party and supplied to the Tenderer

C. Imported by a 3rd party and supplied to the Tenderer										
Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Calculation of imported content				Total landed cost excl VAT
						Local value of Imports	Freight costs to port of entry	All locally incurred landing costs & duties		
(D.33)	(D.34)	(D.35)	(D.36)	(D.37)	(D.38)	(D.39)	(D.40)	(D.41)	(D.42)	

(D45) Total imported value by 3rd party R

D. Other foreign currency payments

Calculation of foreign currency payments			
Type of payment	Local supplier making the payment	Overseas beneficiary	Tender Rate of Exchange
(D46)	(D47)	(D48)	(D49)
			(D50)

Signature of tenderer from Annex B

Date:

(D52) Total of foreign currency payments declared by tenderer and/or 3rd party

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above

This total must correspond with Annex C - C 23

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1)	Tender No.	
(E2)	Tender description:	
(E3)	Designated products:	
(E4)	Tender Authority:	
(E5)	Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
	(E9) Total local products	(Goods, Services and Works)	R -

<i>(E10)</i>	Manpower costs	(Tenderer's manpower cost)	R	-
<i>(E11)</i>	Factory overheads	(Rental, depreciation & amortisation, utility costs, consumables etc.)	R	-
<i>(E12)</i>	Administration overheads and mark-up	(Marketing, insurance, financing, interest etc.)	R	-

(E13)	Total local content	R	-
-------	---------------------	---	---

Signature of tenderer from Annex B

Date: _____

INDEPENDENT DEVELOPMENT TRUST

C1.1 Form of Offer and Acceptance

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

The tenderer, identified in the offer signature block, 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 authorized, 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 INCLUSIVE OF VALUE ADDED TAX IS:

.....

..... Rand (in words);

R (in figures)

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.

Signature Date

Name Identity number

Capacity

for the tenderer

(Name and
address of
organization)

Name and
signature
of witness

NOTE: Failure of a Bidder to complete and sign this part of the tender form (offer) in full including witnessing will invalidate the tender. Any blank spaces left will invalidate this offer.

Acceptance

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- Part C1: Agreements and contract data, (which includes this agreement)
- Part C2: Pricing data
- Part C3: Scope of work.
- Part C4: Site information

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

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

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

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

Signature	Date
Name	Identity number
Capacity	

**for the
Employer**

INDEPENDENT DEVELOPMENT TRUST
Palm Square Business Park
Silverwood House, Bonza Bay Road
Beacon Bay, EAST LONDON
5200

Name and signature of witness	Date
---	------------

Schedule of Deviations

1 Subject	
Details	
.....	
.....	
.....	
2 Subject	
Details	
.....	
.....	
.....	
3 Subject	
Details	
.....	
.....	
4 Subject	
Details	
.....	
.....	
5 Subject	
Details	
.....	

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

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

INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

C1.2 Contract Data for BID NO: DoEEC/08/2022/2023

The Conditions of Contract are clauses 1 to 41 of the **JBCC Series 2000 Principal Building Agreement (Edition 4.1 March 2005)** published by the Joint Building Contracts Committee.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (011-205-9000; 057-3526269) South African Association of Consulting Engineers (011-4632022) or South African Institute of Architects (051-4474909; 011-4860684; 053-8312014;)

The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the JBCC Principal Building Agreement.

Each item of data given below is cross-referenced to the clause in the JBCC Principal Building Agreement to which it mainly applies.

The additions, deletions and alterations to the JBCC Principal Agreement are:

Clause	Additions, deletions and alterations
--------	--------------------------------------

- | | |
|-----|--|
| 1.1 | <p>Replace the following definitions in DEFINITIONS AND INTERPRETATIONS with the following wording:</p> <p>AGREEMENT means the agreement arising from the signing of the Form of Offer and Acceptance by the parties.</p> <p>BILLS OF QUANTITIES means the document drawn up in accordance with the Pricing Instructions contained in the Pricing Data.</p> <p>CONSTRUCTION PERIOD means the period commencing on the date of site hand over and ending on the date of practical completion.</p> <p>CONTRACT DOCUMENTS means the Agreement and all documents referenced therein.</p> <p>CONTRACT DRAWINGS means the drawings listed in the Scope of Work.</p> <p>CONTRACT SUM means the total of prices in the Form of Offer and Acceptance.</p> <p>SCHEDULE means the variables listed in the Contract Data.</p> <p>CORRUPT PRACTICE means the offering, giving, receiving and soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution</p> <p>FRAUDULENT PRACTICE means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer, and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p> <p>INTEREST means the interest rates applicable to this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).</p> <p>SECURITY means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss.</p> |
| 1.6 | <p>Any notice given may be delivered by hand, sent by prepaid registered post or telefax. Notice shall be presumed to have been duly given when:</p> <p>Delete sub-clause 1.6.4</p> |

- 3.5 Delete sub-clause 3.5
- 3.6 Delete sub-clause 3.6.
- 3.7 Add to the end thereof:

The **contractor** shall supply and keep a copy of the **JBCC Series 2000 Principal Building Agreement and Preliminaries** applicable to this contract on the site, to which the **employer, principal agent and agents** shall have access at all times.

- 3.9 Delete sub-clause 3.9
- 3.10 Replace the second reference to “**principal agent**” with the word “**employer**”.
- 4.3 No clause

- 5.1.2 Under clause 41 – include reference 32.6.3; 34.3; 34.4 and 38.5.8 in terms of which the **employer** has retained its authority and has not given a mandate to the **principal agent** and in terms of which the **employer** shall sign all documents.

- 9 Clause 9.0 is amended by adding Clause 9.1.4:

The **contractor** indemnifies and holds harmless the **employer** against all liability, losses, claims, damages, penalties, actions, proceedings or judgments (collectively referred to as “Losses”) arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the **contractor**, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by installments or otherwise shall be included by the **contractor** in the price and shall be paid by him to those to whom they may be payable. The **contractor** shall reimburse the **employer** for all legal and other costs and expenses, including without limitation attorney’s fees on attorney-client scale incurred by the **employer** in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the **employer** is a party.

- 10.5 Add the following as 10.5:

Damage to the works

- (a) Without any way limiting the **contractor’s** obligations in terms of the contract, the **contractor** shall
 bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary.
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**.
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and materials paid for by
 The **employer** that is the result of the expected risks as set out in 10.6.
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof.

- 10.6 Add the following as 10.6:

Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable.
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immoveable property or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable.
- (c) The **contractor** shall upon receiving a **contract instruction** from the **principal agent** cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost therefore from the **contractor** or to deduct the same from amounts due to the **contractor**.
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**.
- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed.
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and / or repair such property and to execute the **works**.

10.7 Add the following as 10.7:

HIGH RISK INSURANCE

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions which might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the **commencement date** of the **works** until the date of the **certificate of practical completion**, bear the full risk of and hereby indemnifies and hold harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary.

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, replace and/or repair the **works**, at the **contractor's** own costs.

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person

whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above.

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of construction.

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the **works** submit to the **employer** proof of such insurance policy, if requested to do so.

10.7.4 The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred subsequent upon the **contractor's** default of his obligations as set out in 10.7.1, 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered on indivisible whole.

15.1.4 Add 15.1.4 as follows:

An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) **calendar days** of date of acceptance of the tender.

15.2.1 Under 41: Amend to read as follows:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1

20.1.3 No clause.

21 Replace sub-clauses 21.1.2 to 21.1.4 and 21.2 to 21.6 with the following:

The **contractor** and **principal agent** shall appoint a **selected subcontractor** in accordance with the provisions of the Scope of Work.

29 Clause 29.0 is amended by: -

i) The addition of the following clauses: -

Clause 29.9

"Revision to the date for **practical completion** shall only be considered when work on the critical path of the agreed programme for the works is delayed."

ii) Clause 29.10 – Acceleration

Clause 29.10.1

Irrespective of whether or not the **principal agent** rules that the **contractor** is entitled to an extension of time or a revision of the date for **practical completion**, the **principal agent** shall nevertheless, at any time, be entitled to instruct the **contractor** in writing to accelerate the progress of the remaining **works** to ensure that the **works** are completed by the original date for **practical completion** or revised date as the case may be.

Clause 29.10.2

Upon receipt of such instruction, the **contractor** shall take all necessary steps to ensure that the **works** are completed timeously including the provision by him of additional resources, plant, manpower, etc. and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The **contractor** shall prove that such steps are being taken if called upon to do so.

Clause 29.10.3

The **contractor's** entitlement to compensation arising out of or in respect of any revision to the date for **practical completion** that may have been granted by the **principal agent** or

alternatively where the **principal agent** has instructed the **contractor** to accelerate, shall be adjudicated strictly in terms of clause 32.

- 30.1 Replace reference to 36.3 at end of sentence with 36.0

- 31.12 Delete "Payment shall be subject to the **employer** giving the **contractor** a **tax** invoice for the amount due."

- 32.5.1 Add the following to the end of each of these clauses: "... due to no fault of the **contractor**."
- 32.5.4
- 32.5.7

- 32.12 Delete sub-clause

- 34.2 Add # next to 34.2

- 34.13 Replace "seven (7) **calendar days**" with "thirty-one (31) **calendar days**" and delete the words "subject to the **employer** giving the **contractor** a **tax** invoice for the amount due"

- 36.1 Add the following clauses 36.1.3 to 36.1.5 under 36.1 to read as follows:

- 36.1.3 The **contractor's** refusal or neglect to comply strictly with any of the conditions of contract.

- 36.1.4 The **contractor's** estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force with the Republic of South Africa.

- 36.1.5 The **contractor**, in the judgment of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract.

- 36.3 Replace "**principal agent**" with "**employer**".

- 37.3.5 Replace "ninety (90)" with "one hundred and twenty (120)".
- 38.5.4

- 39.3.5 Add the following words at the end thereof: "within one hundred and twenty (120) **working days** of completion of such a report."

- 1.1 Delete in the Substitute Provisions (41.0 State Clauses) clause 41.1.3 the definitions for
- (41.1.3) **CONSTRUCTION PERIOD** and **INTEREST**. Sub-clause 1.1 definitions will apply (see contract data)

- 10.1 Delete in the Substitute Provisions (41.0 State Clauses) clauses 10.1, 10.2 and 10.4 so that the
- 10.2 provisions of sub-clauses 10.1, 10.2 and 10.4 of the non-**state** clauses will apply to the **state**.
- 10.4
- (41.0)

- 11.1 Delete in the Substitute Provisions (41.0 State Clauses) clause 11.1 so that the provisions of clause
- (41.0) 11.1 of the non-**state** clause will apply to the **state**.

- 12.1 Delete in the Substitute Provisions (41.0 State Clauses) clause 12.1 so that the provisions of clause
- (41.0) 12.1 of the non-**state** clause will apply to the **state** and replace "**contractor**" in clause 10.1 in the Substitute Provisions (41.0 State Clauses) with "The party responsible in terms of 12.1"

- 12.2 Amend the first part of the first sentence in clause 12.2 of the Substitute Provisions (41.0 State
- (41.0) Clauses) to read "Where the **contractor** is responsible for insurances, the **contractor** shall"

- 31.11.1 Delete in the Substitute Provisions (41.0 State Clauses) sub-clauses 31.11.1 and 31.11.2 so that the
- 31.11.2 provisions of sub-clause 31.11.1 of the non-**state** clause will apply to the **state**.
- (41.0)

- 36.7 Add in the Substitute Provisions (41.0 State Clauses) as clauses 36.7, 37.5 and 39.5, the following:
- 37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the **employer**
- 39.5 or the **contractor**, or for any reason whatsoever, the **contractor** shall on written instruction,
- (41.0) discontinue with the **works** on a stated date and withdraw himself from the **site**. The contractor shall

not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever.

- 40.2.1 Delete in the Substitute Provisions (41.0 State Clauses) clauses 40.2.1, 40.2.2, 40.3, 40.4, 40.5 and
40.2.2 40.6 and replace with the following:
40.3
40.4
40.5
40.6
(41.0)
- 40.1 Should any dispute between the **employer**, his **agents** or **principal agent** on the one hand and the contractors on the other arise out of this **agreement**, such dispute shall be referred to adjudication.
- 40.2 Adjudication shall be conducted in accordance with the edition of the JBCC Rules for Adjudication current at the time when the dispute is declared. The party, which raises the dispute, shall select three adjudicators from the panel of adjudicators published by the South African Institution of Civil Engineering or Association of Arbitrators (Southern Africa), determine their hourly fees and confirm that these adjudicators are available to adjudicate the dispute in question. The other party shall then select within 7 days one of the three nominated adjudicators, failing which the chairman for the time being of the Association of Arbitrators (Southern Africa) shall nominate an adjudicator. The **adjudicator** shall be appointed in terms of the Adjudicators Agreement set out in C1.4.
- 40.3 If provided in the **schedule**, a dispute shall be finally settled by a single Arbitrator to be agreed on between the parties or, failing such agreement within 28 days after referring the dispute to Arbitration, an Arbitrator nominated by the chairman for the time being of the Association of Arbitrators (Southern Africa). Any such reference shall be deemed to be a submission to the arbitration of a single arbitrator in terms of the Arbitration Act (Act No 42 of 1965, as amended), or any legislation passed in substitution therefore. In the absence of any other agreed procedure, the arbitration shall take place in accordance with the Rules for the Conduct of Arbitrations issued by the Association of Arbitrators (Southern Africa) which are current at the time of the referral to arbitration. The Arbitrator shall, in his award, set out the facts and the provisions of the contract on which his award is based.
- 40.4 If the **schedule** provides for court proceedings to finally resolve disputes, disputes shall be determined by court proceedings.

The additions to the JBCC Principal Agreement are:

Clause	Additions	
A1	A1.0	Labour intensive component of the works
	A1.1	Payment of labor-intensive component of the works. Payment for works identified in the Scope of Work as being labor-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.
	A1.2	Applicable labour laws The Ministerial Determination, Special Public Works Programme, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice N° 35310 04 May 2012, as reproduced below, shall apply to works described in the Scope of Work as being labour intensive and which are undertaken by unskilled or semi-skilled workers.
	1	Introduction
	1.1	This document contains the standard terms and conditions for workers employed in elementary occupations on a Special Public Works Programme (SPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of a SPWP.
	1.2	In this document – (a) “department” means any department of the State, implementing agent or contractor; (b) “employer” means any department, implementing agency or contractor that hires workers to work in elementary occupations on a SPWP; (c) “worker” means any person working in an elementary occupation on a SPWP; (d) “elementary occupation” means any occupation involving unskilled or semi-skilled work; (e) “management” means any person employed by a department or implementing agency to administer or execute an SPWP; (f) “task” means a fixed quantity of work; (g) “task-based work” means work in which a worker is paid a fixed rate for performing a task; (h) “task-rated worker” means a worker paid on the basis of the number of tasks completed (i) “time-rated worker” means a worker paid on the basis of the length of time worked.
	2	Terms of Work
	2.1	Workers are employed on a temporary basis or contract basis.
	3	Normal Hours of Work
	3.1	An employer may not set tasks or hours of work that require a worker to work– (a) more than forty hours in any week; (b) on more than five days in any week; and (c) for more than eight hours on any day.
	3.2	An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.
	4	Meal Breaks
	4.1	A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.
	4.2	An employer and worker may agree on longer meal breaks.
	4.3	A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be

		performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.
	4.4	A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.
	5	Special Conditions for Security Guards
	5.1	A security guard may work up to 55 hours per week and up to eleven hours per day.
	5.2	A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.
	6	Daily Rest Period
		Every worker is entitled to a daily rest period of at least eight consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.
	7	Weekly Rest Period
		Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").
	8	Sick Leave
	8.1	Only workers who work four or more days per week have the right to claim sick-pay in terms of this clause.
	8.2	A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.
	8.3	A worker may accumulate a maximum of twelve days' sick leave in a year.
	8.4	Accumulated sick-leave may not be transferred from one contract to another contract.
	8.5	An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.
	8.6	An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.
	8.7	An employer must pay a worker sick pay on the worker's usual payday.
	8.8	Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –
		(a) absent from work for more than two consecutive days; or (b) absent from work on more than two occasions in any eight-week period.
	8.9	A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorized to issue medical certificates indicating the duration and reason for incapacity.
	8.10	A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.
	9	Maternity Leave
	9.1	A worker may take up to four consecutive months' unpaid maternity leave.
	9.2	A worker is not entitled to any payment or employment-related benefits during maternity leave.
	9.3	A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.
	9.4	A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.
	9.5	A worker may begin maternity leave –

		<ul style="list-style-type: none"> (a) four weeks before the expected date of birth; or (b) on an earlier date – <ul style="list-style-type: none"> (i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or (ii) if agreed to between employer and worker; or (c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.
	9.6	A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.
	10	Family responsibility leave
	10.1	Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances –
		<ul style="list-style-type: none"> (a) when the employee's child is born; (b) when the employee's child is sick; (c) in the event of a death of – <ul style="list-style-type: none"> (i) the employee's spouse or life partner; (ii) the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.
	11	Statement of Conditions
	11.1	<p>An employer must give a worker a statement containing the following details at the start of employment –</p> <ul style="list-style-type: none"> (a) the employer's name and address and the name of the SPWP; (b) the tasks or job that the worker is to perform; and (c) the period for which the worker is hired or, if this is not certain, the expected duration of the contract; (d) the worker's rate of pay and how this is to be calculated; (e) the training that the worker will receive during the SPWP.
	11.2	An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.
	11.3	An employer must supply each worker with a copy of these conditions of employment.
	12	Keeping records
	12.1	Every employer must keep a written record of at least the following –
		<ul style="list-style-type: none"> (a) the worker's name and position; (b) in the case of a task-rated worker, the number of tasks completed by the worker; (c) in the case of a time-rated worker, the time worked by the worker; (d) payments made to each worker.
	12.2	The employer must keep this record for a period of at least three years after the completion of the SPWP.
	13	Payment
	13.1	An employer must pay all wages at least monthly in cash or by cheque or into a bank account.
	13.2	A worker may not be paid less than the minimum wage rate of R95 per day or per task. This will be adjusted annually on the 1 st of November in line with inflation (available CPI as provided by Stats SA six (6) weeks before implementation)
	13.3	A task-rated worker will only be paid for tasks that have been completed.

	13.4	An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.
	13.5	A time-rated worker will be paid at the end of each month.
	13.6	Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.
	13.7	Payment in cash or by cheque must take place –
		(a) at the workplace or at a place agreed to by the worker;
		(b) during the worker's working hours or within fifteen minutes of the start or finish of work;
		(c) in a sealed envelope which becomes the property of the worker.
	13.8	An employer must give a worker the following information in writing –
		(a) the period for which payment is made;
		(b) the numbers of tasks completed or hours worked;
		(c) the worker's earnings;
		(d) any money deducted from the payment;
		(e) the actual amount paid to the worker.
	13.9	If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.
	13.10	If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.
	14	Deductions
	14.1	An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.
	14.2	An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.
	14.3	An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.
	14.4	An employer may not require or allow a worker to –
		(a) repay any payment except an overpayment previously made by the employer by mistake;
		(b) state that the worker received a greater amount of money than the employer actually paid to the worker; or
		(c) pay the employer or any other person for having been employed.
	15	Health and Safety
	15.1	Employers must take all reasonable steps to ensure that the working environment is healthy and safe.
	15.2	A worker must –
		(a) work in a way that does not endanger his/her health and safety or that of any other person;
		(b) obey any health and safety instruction;
		(c) obey all health and safety rules of the SPWP;
		(d) use any personal protective equipment or clothing issued by the employer;
		(e) report any accident, near-miss incident or dangerous behavior by another person to their employer or manager.
	16	Compensation for Injuries and Diseases

	16.1	It is the responsibility of the employers (other than a contractor) to arrange for all persons employed to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.
	16.2	A worker must report any work-related injury or occupational disease to their employer or manager.
	16.3	The employer must report the accident or disease to the Compensation Commissioner.
	16.4	An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.
	17	Termination
	17.1	The employer may terminate the employment of a worker for good cause after following a fair procedure.
	17.2	A worker will not receive severance pay on termination.
	17.3	A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.
	17.4	A worker who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.
	17.5	A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.
	18	Certificate of Service
	18.1	On termination of employment, a worker is entitled to a certificate stating-
		(a) the worker's full name; (b) the name and address of the employer; (c) (d) the work performed by the worker; (e) any training received by the worker as part of the SPWP; (f) the period for which the worker worked on the SPWP; (g) any other information agreed on by the employer and worker.
A2	A2.0	Mandatory Sub-Contracting (Only for projects above R 30 Million)
	A2.1	The Contractor must sub-contract 30% of the work to Domestic Sub-Contractors. The Sub-Contractors shall have a CIDB grading.
		The Contractor shall, directly after appointment and without delay, enter into domestic sub-contracts with the Domestic Sub-Contractors and forward a copy of these agreements to the Principal Agent. The Contractor shall remain responsible for providing the subcontracted portion of the works as if the work had not been subcontracted.
		The Contractor will be responsible for all assistance and training required by the Sub-Contractor/s to complete the Project successfully. Irrespective of the mandatory sub-contracting requirement of this contract, the Contractor will at all times be the responsible party in accordance with the conditions of contract.
A3		
A4	A4.0	Attendance to Domestic Sub-Contractors in terms of clauses A2 above
	A4.1	The attendance of to the Domestic Sub-Contractor appointed in terms of clauses A2 above shall be

		priced under the relevant specific preliminaries item in the Preliminaries Section of the Bills of Quantities.
A5	A5.0	
	A5.1	
A6	A6.0	Expanded Public Works Programme
	A6.1	The Contractor will be required to employ staff which satisfies the EPWP requirements as per the Guidelines for the implementation of labor-intensive infrastructure projects.

Part 1: Contract Data Completed by the Employer

Clause	Item and data
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- | | |
|-----|---|
| 1.2 | <p>The Employer is THE INDEPENDENT DEVELOPMENT TRUST</p> <p>The address of the Employer is: Silverwood House, Bonza Bay Road, Beacon Bay, East London, 5200</p> <p>Telephone: 043-711 6000</p> <p>Facsimile:</p> <p>Address (physical): Silverwood House, Bonza Bay Road, Beacon Bay, East London, 5200</p> |
| 5.1 | <p>The Principal Agent is OSMOND LANGE ARCHITECTS</p> <p>Telephone: 043 721 0033</p> <p>Facsimile: 043 721 0038</p> <p>Address (physical):</p> <p>1st Floor Pilot Mill House, The Quarry</p> <p>Selborne, EAST LONDON,</p> <p>5217</p> |
| 5.2 | <p>Agent (1) is OSMOND LANGE ARCHITECTS</p> <p>Agent's service: Arcitecture</p> <p>Telephone: 043 721 0033</p> <p>Facsimile: 043 721 0038</p> <p>Address:</p> <p>1st Floor Pilot Mill House, The Quarry</p> <p>Selborne, EAST LONDON,</p> <p>5217</p> |
| 5.3 | <p>Agent (2) is QAPELA QUANTITY SURVEYORS (PTY) LTD</p> <p>Agent's service: Quantity Surneying</p> <p>Telephone: 043 721 1470</p> <p>Facsimile: 086 762 3114</p> <p>Address: 16 Jarvis Road, Berea, EAST LONDON, 5241</p> |

- 5.4 Agent (3) is: BVI CONSULTING ENGINEERS
Agent's service: Civil and Structural Works Electrical Engineering
Telephone: 043 722 2738
Facsimile:
Address: Unit 2 & 3, 56 Bonza Bay Road, Beacon Bay, EAST LONDON, 5241
- 5.5 Agent (4) is: CARIFRO CONSULTING ENGINEERS
Agent's service: Electrical and Mechanical Engineering
Telephone: 043 743 8266
Facsimile:
Address: 4-6 Belgrave Road, Belgravia, EAST LONDON, 5213
- 5.6 Agent (5) is: SHEHAWK CONSULTANTS
Agent's service: Occupational Health and Safety
Telephone: 082 460 9891
Facsimile:
Address: 84 - 12th Avenue, Gonubie, EAST LONDON, 5200

- 1.1 **The Works comprises** of Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.
- 1.1 **KWAMATAMBO SPS (-31.00109 S; 28.97203 E), LOCATED IN LUSIKISIKI, INGQUZA HILL, OR TAMBO DISTRICT, EASTERN PROVINCE,**
- 1.1 The **Works** or installations to be undertaken by **direct contractors** comprises
- 22.2 Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.
- 41.0 The Employer is an organ of **State**
- 31.11.2
- 11.2
- The interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) will apply.
- 31.4.2
- Lateral support insurance is to be effected by the **contractor**
- 26.1.2
- Payment will be made for materials and goods
 - Extended **defects** liability period will apply to the following elements:
NOT APPLICABLE
- 15.2.1 Possession of the **site** is to be given on the date in the schedule providing the **employer** with **construction guarantees** in accordance with the provisions of 14.0.
- 15.3 The period for the commencement of the **works** after the **contractor** takes possession of the site is ten (10) **working days**.
- For the **works** as a whole:
The date for **practical completion** is 12 months after contractual commencement date
The **penalty** per **calendar day** is 2.75 Cents per R100 of the contract value
- 1.2 The law applicable to the agreement shall be that of the Republic of South Africa.
- 10.1; 10.2 and 12.1 Contract insurance is to be effected by the **contractor**.
- 10.1 Contract works insurance is to be effected by the **contractor** for a sum not less than the
- 10.2 **contract sum plus 20%** with a deductible in an amount that the **contractor** deems
- 12.1 appropriate.
- 10.1 Supplementary insurance is required. Such insurance shall comprise a Coupon Policy for
- 10.2 Special Risks issued by the South African Special Risk Insurance Association.
- 12.1
- 11.1, 12.1 Public liability insurance to be effected by the **contractor** for an amount of **R10,000,000.00** with a deductible in an amount as determined by the contractor's insurance company.
- 11.2, 12.1 Support insurance to be effected by the **contractor** for the sum of **NOT APPLICABLE** with a deductible in an amount that the **contractor** deems appropriate.

- 3.3, 15.1.3, 31.16.2 A waiver of the **contractor's** lien or right of continuing possession is not required.
- 3.7 Three copies of the construction documents are to be supplied to the **contractor** free of charge.
- 3.4 JBCC Engineering General Conditions are not to be included in the contract document.
- 31.5.3 The contract value is to be adjusted using CPAP indices. The base month for the application of CPAP is the month of the closing of the tender and the following alternative indices are applicable:
- 31.3 There is no latest day of the month for the issue of an interim payment certificate.
- 14.5 The employer will not provide advanced payments against an advanced payment guarantee.
- 14.2 and 14.4 The **construction guarantee** is to be a fixed guarantee in an amount of 10% of the contract sum and payment reduction
- 40.0 Dispute resolution shall be by adjudication
 or
~~Dispute determinations shall be by arbitration~~

Part 2: Contract Data completed by the Contractor

Clause Item and data

- 1.2 The name of the Contractor is.
- The address of the contractor is:
- Telephone:
- Facsimile:
- Address (physical):
-
-
- Address (postal):
-
-

INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

C1.3 Construction Guarantee

GUARANTOR DETAILS AND DEFINITIONS

Guarantor means

...

Physical address

...

.....

...

Guarantor's signatory 1 Capacity

...

Guarantor's signatory 1 Capacity

...

Employer means **The Independent Development Trust**

Contractor means

...

Agent means **Osmond Lange Architects**

Works means **bid no: DoEEC/08/2022/2023** – Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

Site means **The designated site to be shown to the contractor is at KWAMATAMBO SENIRO PRIMARY SCHOOL, LOCATED IN LUSIKISIKI, INGQUZA HILL, OR TAMBO DISTRICT, EASTERN PROVINCE**

Contract Sum i.e. the total of prices in the Form of Offer and Acceptance inclusive of VAT

Amount in figures R

Amount in words

(Rand)

Guaranteed Sum means the maximum aggregate amount of R

...

Amount in words

(Rand)

1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY	PERIOD OF LIABILITY
Maximum Guaranteed Sum (not exceeding 10 % of the contract sum) in the amount of: (Rands) (R	From and including the date of issue of this Construction Guarantee and up to and including the date of the only practical completion certificate or the last practical completion certificate where there are sections, upon which this Construction Guarantee shall expire.

2 The Guarantor hereby acknowledges that:

2.1 Any reference in this Guarantee to the Agreement is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a surety ship.

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

3 Subject to the Guarantor's maximum liability referred to in clauses 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in sub-clauses 3.1 to 3.3:

3.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Principal Agent in an interim or final payment certificate has not been made in terms of the Agreement and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of sub-clause 3.2

3.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the first written demand in terms of sub-clause 4.1 and that the sum certified has still not been paid therefore the Employer calls up this Guarantee and demands payment of the sum certified from the Guarantor.

3.3 A copy of the said payment certificate, which entitles the Employer to receive payment in terms of the Agreement of the sum certified in clause 3.

4 Subject to the Guarantor's maximum liability referred to in clause 1, the Guarantor undertakes to pay the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Guarantee stating that:

- 4.1** The Agreement has been cancelled due to the Contractor's default and that the Guarantee is called up in terms of clause 4. The demand shall enclose a copy of the notice of cancellation; or
- 4.2** A provisional sequestration or liquidation court order has been granted against the Contractor and that the Guarantee is called up in terms of clause 4. The demand shall enclose a copy of the court order.
- 5** It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of clauses 3 and 4 shall not exceed the Guarantor's maximum liability in terms of clause 1.
- 6** Where the Guarantor is a registered insurer and has made payment in terms of clause 4, the Employer shall upon the date of issue of the final payment certificate submit an expense account to the Guarantor showing how all monies received in terms of the Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 7** Payment by the Guarantor in terms of clause 3 or 4 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 8** The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer deems fit and the Guarantor shall not have the right to claim his release from this Guarantee on account of any conduct alleged to be prejudicial to the Guarantor
- 9** The Guarantor chooses the physical address as stated above for all purposes in connection herewith.
- 10** This Guarantee is neither negotiable nor transferable and shall expire in terms of clause 1, or payment in full of the Guaranteed Sum or on the Guarantee expiry date, whichever is the earlier, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired
- 11** This Guarantee, with the required demand notices in terms of clauses 3 or 4, shall be regarded as a liquid document for the purpose of obtaining a court order.
- 12** Where this Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at Date
...

Guarantor's
Signatory 1 Guarantor's
Signatory 2
...

Identity number Identity number
...

Witness 1 Witness 2
...

Guarantor's seal or stamp

INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

ADJUDICATOR'S AGREEMENT

This agreement is made on the day of between:

. (name of company / organisation)

of

. (address)

and

. (name of company / organisation)

of

. (address)

(the Parties) and

. (name)

of

. (address)

(the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated

. . . and known as.

and these disputes or differences shall be/have been* referred to adjudication in accordance with the JBCC 2000 Adjudication Rules, (hereinafter called "the Procedure") and the Adjudicator may be or has been requested to act.

* Delete as necessary

IT IS NOW AGREED as follows:

- 1 The rights and obligations of the Adjudicator and the Parties shall be as set out in the JBCC 2000 Adjudication Rules.
- 2 The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the JBCC 2000 Adjudication Rules..
- 3 The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses as set out in the Contract Data.
- 4 The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
- 5 The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

SIGNED by: _____	SIGNED by: _____	SIGNED by: _____
Name: _____	Name: _____	Name: _____
ID: _____	ID: _____	ID: _____
who warrants that he / she is duly authorized to sign for and on behalf of the first Party in the presence of	who warrants that he / she is duly authorized to sign for and behalf of the second Party in the presence of	the Adjudicator in the presence of
Witness Name: _____	Witness: Name _____	Witness: Name: _____
Address: _____	Address: _____	Address: _____
Date: _____	Date: _____	Date: _____

Contract Data

1	The Adjudicator shall be paid at the hourly rate of R. in respect of all time spent upon, or in connection with, the adjudication including time spent traveling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. (c) Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. (e) Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator shall be paid an appointment fee of R. This fee shall become payable in equal amounts by each Party within 14 days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.
6	All payments, other than the appointment fee (item 3) shall become due 31 days after receipt of invoice,

* Delete as necessary

INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

C2.1 Pricing Instructions

- 1 The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:
 - a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardized Specifications for Civil Engineering Works.
 - b) Mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, July 1990).
 - c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
- 2 The agreement is based on the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 4.1, and March 2005. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
- 3 Preliminary and general requirements are based on the various parts of the JBCC Series 2000 Preliminaries as prepared by the Joint Building Contracts Committee, Edition 4.1, and March 2005. The additions, deletions and alterations to the various parts of the JBCC Series 2000 Preliminaries as well as the contract specific variables are as stated in the Specification Data in the Scope of Work. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
- 4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 5 The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
- 6 The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are

- kept by the quantity surveyor and can be viewed at any time during office hours up until the completion of the works.
- 7 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.
 - 8 The rates contained in the Bills of Quantities will apply irrespective of the final quantities of the different classes and kinds of work actually executed.
 - 9 Rates for work of similar description occurring in different sections of the Bills of Quantities shall be identical.
 - 10 An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
 - 11 Where any item is not relevant to this specific contract, such item is marked N/A (signifying “not applicable”)
 - 12 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminary and General) of the Bills of Quantities
 - 13 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
 - 14 The amount of the Preliminary and General Section to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract.
 - 15 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 14 but taking into account the revised period for completing the works.
 - 16 The amount or items of the Preliminary and General Section shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:
 - a) an amount which is not to be varied, namely Fixed (F)
 - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
 - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
 - 17 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 12 apply or where no selection is made, the adjustments shall be based on the following breakdown:
 - a) 10 percent is Fixed;
 - b) 15 percent if Value Related
 - c) 75 percent is Time Related.

- 18 The adjustment of the Preliminary and General Section shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminary and General Section shall exclude any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.
- 19 All work is to be constructed using labor-intensive methods. The use of plant to provide such works, other than plant specifically provided for in the scope of works, is a variation order to the contract
- 20 Payment for items, which are designated to be constructed under labour-intensively, will not be made unless they are constructed using labor-intensive methods. Any unauthorized use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.
- 21 The tenderer is to acquaint himself as to the specific requirements of this tender as contained in additional clauses A1 to A6 to the JBCC Principal Agreement as incorporated in the Contract Data. These clauses may be priced under the relevant Preliminaries items in SECTION C: SPECIFIC PRELIMINARIES of the Preliminaries Bill. No claim will be entertained due to the failure of the tenderer to allow for these requirements

INDEPENDENT DEVELOPMENT TRUST

KwaMatambo Senior Primary School

C2.2 Bills of Quantities



BILLS OF QUANTITIES
FOR
EARLY CHILDHOOD DEVELOPMENT CENTRE TO KWAMATAMBO SENIOR
PRIMARY SCHOOL
FOR
Independent Development Trust

ARCHITECTS

Osmond lange Architects and Planners (Pty) Ltd
Pilot Mill House, The Quarry
Selborne
East London
5214

Tel. +27 43 721 0033
Fax: +27 43 721 0038
e Mail: olael@o-l.co.za

Principal Agent

Osmond lange Architects and Planners (P
Tel. +27 43 721 0033
Fax: +27 43 721 0038
e Mail: olael@o-l.co.za

QUANTITY SURVEYORS

Qapela Quantity Surveyors (Pty) Ltd
Quantity Surveyors
16 Jarvis Road
Berea
East London
5201

Tel. +27 43 721 1470
Fax: +27 86 762 3114
e Mail: admin@qapelaqs.co.za

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SECTION NO.1

PRELIMINARIES

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SECTION NO.1

PRELIMINARIES

(CPAP WORK GROUP NO. 190 UNLESS OTHERWISE STATED)

PRELIMINARIES

The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. **"N/A"** signifying **"Not Applicable"**.

Any reference to the words **"Tender"** or **"Tenderer"** herein and/or in any other documentation shall be construed to have the same meaning as the words **"Bid"** or **"Bidder"**

PRICING OF PRELIMINARIES

Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.

SECTION A - JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

A1.0 DEFINITIONS AND INTERPRETATION

Clause 1.0

Clause 1.1 Definition of **"Commencement Date"** is added:

"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of **"Construction Guarantee"** is amended by replacing it with the following:

"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the **employer** in terms of the **employer's** construction guarantee from as selected in the **schedule**

Clause 1.1 Definition of **"Construction Period"** is amended by replacing it with the following:

"CONSTRUCTION PERIOD" means the period commencing on the **commencement date** and ending on the date of **practical completion**

Clause 1.1 Definition of **"Corrupt Practice"** is added:

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"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

Clause 1.1 Definition of **"Fraudulent Practice"** is added:

"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of **"Interest"** is amended by replacing it with the following:

"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).

Clause 1.1 Definition of **"Principal Agent"** is amended by replacing it with the following:

"PRINCIPAL AGENT" means the person or entity appointed by the **employer** and named in the **schedule**. In the event of a **principal agent** not being appointed, then all the duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by a representative of the **employer** as named in the **schedule**

Clause 1.1 Definition of **"Security"** is amended by replacing it with the following:

"SECURITY" means the form of security provided by the **employer** or **contractor**, as stated in the schedule, from which the **contractor** or **employer** may recover expense or loss

Clause 1.6 is amended by replacing the words **"prepaid registered post, telefax or e-mail"** with **"prepaid registered post or telefax"**

Clause 1.6.4 is amended by replacing it with the following:

1 No clause

Item

F: V: T:

OBJECTIVE AND PREPARATION

A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

2 Clause 2.0

Item

F: V: T:

A3.0 DOCUMENTS

3 Clause 3.0

Clause 3.2.1 is amended by replacing **"14.1"** with **"14.0"**

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	<p>Clause 3.7 is amended by the addition of the following:</p> <p>The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times</p> <p>Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"</p> <p>F: V: T:</p> <p><u>A4.0 DESIGN RESPONSIBILITY</u></p>	Item
4	<p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>F: V: T:</p> <p><u>A5.0 EMPLOYER'S AGENTS</u></p>	Item
5	<p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4, and 38.5.8</p> <p>F: V: T:</p> <p><u>A6.0 SITE REPRESENTATIVE</u></p>	Item
6	<p>Clause 6.0</p> <p>F: V: T:</p> <p><u>A7.0 COMPLIANCE WITH REGULATIONS</u></p>	Item
7	<p>Clause 7.0</p> <p>Note: A separate clause has been included in Section C : Specific Preliminaries of the bills of quantities/ lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification</p> <p>F: V: T:</p> <p><u>A8.0 WORKS RISK</u></p>	Item
8	<p>Clause 8.0</p> <p>F: V: T:</p> <p><u>A9.0 INDEMNITIES</u></p>	Item
9	<p>Clause 9.0</p> <p>F: V: T:</p> <p><u>A10.0 WORKS INSURANCES</u></p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p>	Item
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10.5 Damage to the Works

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the works and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the contractor
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the works until the issue of the certificate of **practical completion**

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(e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been

(f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

In the event of the project being executed in a geological area classified as a “**High Risk Area**”, that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the **commencement date** of the **works** until the date of the **certificate of practical completion** bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**, at the **contractor's** own costs

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the works, submit to the **employer** proof of such insurance policy, if requested to do so

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10	<p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>F: V: T:</p> <p><u>A11.0 LIABILITY INSURANCES</u></p>	Item
11	<p>Clause 11.0</p> <p>F: V: T:</p> <p><u>A12.0 EFFECTING INSURANCES</u></p>	Item
12	<p>Clause 12.0</p> <p>F: V: T:</p> <p>A13.0 No clause</p> <p><u>A14.0 SECURITY</u></p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p> <p>14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor</p> <p>14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected.</p> <p>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p>	Item
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14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the works the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the **contractor**

14.3.3 Within twenty-one (21) **calendar days** of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor

14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor

14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor

14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party

14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:

14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date

14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable construction guarantee form included in the invitation to tender

14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring

14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee

14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:

14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)

14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion

14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring

14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8

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14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both

14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:

14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date

14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor

14.6.3 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)

14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both

14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:

14.7.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B)

14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor

14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement

13 14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), hereafter 14.7 shall be applicable

F: V: T:

EXECUTION

A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

Clause 15.1.2 is amended by replacing it with:

The security selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

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	<p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date</p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p>	
14	<p>Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p> <p>F: V: T:</p> <p><u>A16.0 ACCESS TO THE WORKS</u></p>	Item
15	<p>Clause 16.0</p> <p>F: V: T:</p> <p><u>A17.0 CONTRACT INSTRUCTIONS</u></p>	Item
16	<p>Clause 17.0</p> <p>Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"</p> <p>F: V: T:</p> <p><u>A18.0 SETTING OUT OF THE WORKS</u></p>	Item
17	<p>Clause 18.0</p> <p>F: V: T:</p> <p><u>A19.0 ASSIGNMENT</u></p>	Item
18	<p>Clause 19.0</p> <p>F: V: T:</p> <p><u>A20.0 NOMINATED SUB-CONTRACTORS</u></p>	Item
19	<p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following:</p> <p>No Clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>F: V: T:</p> <p><u>A21.0 SELECTED SUBCONTRACTORS</u></p>	Item
20	<p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with:</p> <p>No Clause</p> <p>F: V: T:</p> <p><u>A22.0 EMPLOYER'S DIRECT CONTRACTORS</u></p>	Item
21	<p>Clause 22.0</p> <p>F: V: T:</p>	Item
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A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS

22 Clause 23.0

Item

F: V: T:

COMPLETION

A24.0 PRACTICAL COMPLETION

23 Clause 24.0

Item

F: V: T:

A25.0 WORK'S COMPLETION

24 Clause 25.0

Item

F: V: T:

A26.0 FINAL COMPLETION

25 Clause 26.0

Clause 26.1.2 is amended by inserting "#" next to 26.1.2

Item

F: V: T:

A27.0 LATENT DEFECTS LIABILITY PERIOD

26 Clause 27.0

Item

F: V: T:

A28.0 SECTIONAL COMPLETION

27 A Clause 28.0

Item

F: V: T:

A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION

28 Clause 29.0

Clause 29.2.5 is amended by replacing it with :

No clause

Item

F: V: T:

A30.0 PENALTY FOR NON-COMPLETION

29 Clause 30.0

Item

F: V: T:

PAYMENT

A31.0 INTERIM PAYMENT TO THE CONTRACTOR

Clause 31.0

Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

Clause 31.8 is amended by replacing it with the following two alternative clauses:

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Alternative A

31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion

31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion

31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate

Alternative B

31.8(B) Where security as a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion

31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion

31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate

Clause 31.12 is amended by deleting the following:

- 30 Payment shall be subject to the employer giving the contractor a tax invoice for the amount due

F: V: T:

A32.0 ADJUSTMENT TO THE CONTRACT VALUE

- 31 Clause 32.0

Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:

"due to no fault of the contractor"

F: V: T:

Item

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32	<u>A33.0 RECOVERY OF EXPENSE AND LOSS</u>	
	Clause 33.0 F: V: T:	Item
33	<u>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</u>	
	Clause 34.0 Clause 34.1 is amended by removing "#" next to 34.1 Clause 34.2 is amended by inserting "#" next to 34.2 Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1" Clause 34.13 is amended by replacing "seven (7) calendar days" with "twenty-one (21) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due" F: V: T:	Item
34	<u>A35.0 PAYMENT TO OTHER PARTIES</u>	
	Clause 35.0 F: V: T:	Item
35	<u>CANCELLATION</u>	
	<u>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u> Clause 36.0 Clause 36.1 is amended by the addition of the following clauses: 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestered, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer" Clause 36.0 is amended by the addition of the following clause: 36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever F: V: T:	Item
	<u>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>	
	Clause 37.0	
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		Amount
36	<p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>F: V: T:</p> <p><u>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u></p> <p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p>	Item
	<p>37.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>F: V: T:</p> <p><u>A39.0 CANCELLATION - CESSATION OF THE WORKS</u></p>	Item
38	<p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence:</p> <p>"within one hundred and twenty (120) working days of completion of such a report"</p> <p>F: V: T:</p> <p><u>DISPUTE</u></p> <p><u>A40.0 DISPUTE SETTLEMENT</u></p>	Item
	<p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3)"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs</p> <p>F: V: T:</p>	Item
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<u>SUBSTITUTE PROVISIONS</u>		
<u>A41.0 STATE CLAUSES</u>		
40	Clause 41.0 F: V: T:	Item
<u>CONTRACT VARIABLES</u>		
<u>A42.0 THE SCHEDULE (DPW-04EC)</u>		
41	Clause 42.0 Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract F: V: T:	Item
<u>SECTION B: JBCC PRELIMINARIES</u>		
<u>B1.0 DEFINITIONS AND INTERPRETATION</u>		
<u>B1.1 Definitions and interpretation</u>		
42	See also clause A1.0 of Section A for additional and / or amended definitions which shall apply equally to this Section F: V: T:	Item
<u>B2.0 DOCUMENTS</u>		
43	B2.1 Checking of documents F: V: T:	Item
44	B2.2 Provisional bills of quantities F: V: T:	Item
45	B2.3 Availability of construction documentation F: V: T:	Item
46	B2.4 Interests of agents F: V: T:	Item
47	B2.5 Priced documents F: V: T:	Item
48	B2.6 Tender submission Clause 2.6 is amended by replacing “JBCC Form of Tender” with “Form of Offer and Acceptance DPW-07(EC)” F: V: T:	Item
<u>B3.0 THE SITE</u>		
49	B3.1 Defined works area F: V: T:	Item
50	B3.2 Geotechnical investigation F: V: T:	Item
51	B3.3 Inspection of the site F: V: T:	Item
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			Amount
52	B3.4 Existing premises occupied F: V: T:	Item	
53	B3.5 Previous work - dimensional accuracy F: V: T:	Item	
54	B3.6 Previous work - defects F: V: T:	Item	
55	B3.7 Services - known F: V: T:	Item	
56	B3.8 Services - unknown F: V: T:	Item	
57	B3.9 Protection of trees F: V: T:	Item	
58	B3.10 Articles of value F: V: T:	Item	
59	B3.11 Inspection of adjoining properties F: V: T:	Item	
	<u>B4.0 MANAGEMENT OF CONTRACT</u>		
60	B4.1 Management of the works F: V: T:	Item	
61	B4.2 Programme for the works F: V: T:	Item	
62	B4.3 Progress meetings F: V: T:	Item	
63	B4.4 Technical meetings F: V: T:	Item	
64	B4.5 Labour and plant records F: V: T:	Item	
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>		
65	B5.1 Samples of materials F: V: T:	Item	
66	B5.2 Workmanship samples F: V: T:	Item	
67	B5.3 Shop drawings F: V: T:	Item	
68	B5.4 Compliance with manufacturers' instructions F: V: T:	Item	
	<u>B6.0 TEMPORARY WORKS AND PLANT</u>		
69	B6.1 Deposits and fees F: V: T:	Item	
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70	B6.2 Enclosure of the works F: V: T:	Item
71	B6.3 Advertising F: V: T:	Item
72	B6.4 Plant, equipment, sheds and offices F: V: T:	Item
73	B6.5 Main notice board F: V: T:	Item
74	B6.6 Subcontractors' notice board F: V: T:	Item
<u>B7.0 TEMPORARY SERVICES</u>		
75	B7.1 Location F: V: T:	Item
76	B7.2 Water F: V: T:	Item
77	B7.3 Electricity F: V: T:	Item
78	B7.4 Telecommunication facilities F: V: T:	Item
79	B7.5 Ablution facilities F: V: T:	Item
<u>B8.0 PRIME COST AMOUNTS</u>		
80	B8.1 Responsibility for prime cost amounts F: V: T:	Item
<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
81	B9.1 General attendance F: V: T:	Item
82	B9.2 Special attendance F: V: T:	Item
83	B9.3 Commissioning - fuel, water and electricity F: V: T:	Item
<u>B10.0 FINANCIAL ASPECTS</u>		
84	B10.1 Statutory taxes, duties and levies F: V: T:	Item
85	B10.2 Payment for preliminaries F: V: T:	Item
86	B10.3 Adjustment of preliminaries	
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		Amount
	Clause B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities/lump sum document"	
	F: V: T:	Item
87	B10.4 Payment certificate cash flow	Item
	F: V: T:	
	<u>B11.0 GENERAL</u>	
88	B11.1 Protection of the works	Item
	F: V: T:	
89	B11.2 Protection / isolation of existing / sectionally occupied works	
	F: V: T:	Item
90	B11.3 Security of the works	Item
	F: V: T:	
91	B11.4 Notice before covering work	Item
	F: V: T:	
92	B11.5 Disturbance	Item
	F: V: T:	
93	B11.6 Environmental disturbance	Item
	F: V: T:	
94	B11.7 Works cleaning and clearing	Item
	F: V: T:	
95	B11.8 Vermin	Item
	F: V: T:	
96	B11.9 Overhand work	Item
	F: V: T:	
97	B11.10 Instruction manuals and guarantees	Item
	F: V: T:	
98	B11.11 As built information	Item
	F: V: T:	
99	B11.12 Tenant installations	Item
	F: V: T:	
	<u>B12.0 SCHEDULE OF VARIABLES</u>	
100	B12.1 Schedule of variables	Item
	F: V: T:	
	This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.	
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Spaces requiring information must be filled in, shown as “**not applicable**” or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets

12.1 PRE-TENDER INFORMATION

12.1.1 Bills of quantities

[2.2] The quantities are provisional (yes/no) NO

12.1.2 Availability of construction documentation

[2.3] Construction documentation is complete (yes/no) Yes

12.1.3 Interest of agents

[2.4] Details: None

12.1.4 Defined works area is Clarlyn Court No 1 - 6 Police Residences

[3.1] Details: Survey pegs will be pointed out to form boundary demarcation

12.1.5 Geotechnical investigation

[3.2] Details: Refer to C4 : Site Information

12.1.6 Existing premises occupied

[3.4] Specific requirements: Yes all the existing buildings will be occupied

12.1.7 Previous work - dimensional accuracy

[3.5] Details: The contractor shall, after taking possession of the site and before commencing the work, check the existing levels, lines, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work. Should any inaccurate or defective work be found the contractor shall immediately notify the principal agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work.

12.1.8 Previous work - defects

[3.6] Details: None

12.1.9. Services - known

[3.7] Details: Should the contractor encounter any existing services such as underground cables, pipes or sewer during the execution of the works he shall notify the principal agent immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the principal agent.

12.1.10 Protection of trees

[3.9] Specific requirements: Only those trees and shrubs indicated as such on the drawings shall be removed or cut down. The remainder of the trees and shrubs shall be left undamaged.

12.1.11 Inspection of adjoining properties

[3.11] Specific requirements: None

12.1.12 Enclosure of the works

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[6.2] Specific requirements: None

12.1.13 Offices

[6.4.3] Specific requirements:

A)The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

B)The contractor shall provide, maintain and remove on completion of the works an office/meeting room for use as a meeting room, minimum size 3 x 6 x 3m high internally, suitably insulated and air-conditioned, provided with electric lighting and fitted with boarded floor, desk, and chairs. The office shall be kept clean and fit for use at all times.

12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board as detailed on the enclosed drawing

12.1.15 Subcontractors' notice board

[6.6] A notice board is required: (yes/no) Yes

Specific requirements:

12.1.16 Water

[7.2] Option A (by contractor) (yes/no) Yes

Option B (by employer - free of charge) (yes/no) No

Option C (by employer - metered) (yes/no) No

12.1.17 Electricity

[7.3] Option A (by contractor) (yes/no) No

Option B (by employer - free of charge) (yes/no) No

Option C (by employer - metered) (yes/no) Yes

12.1.18 Telecommunications

[7.4] Telephone (yes/no) Yes

Facsimile (yes/no) Yes

E-mail (yes/no) Yes

12.1.19 Ablution facilities

[7.5] Option A (by contractor) (yes/no) Yes

Option B (by employer) (yes/no) No

12.1.20 Protection of existing/sectionally occupied works

[11.2] Protection is required (yes/no) Yes

12.1.21 Special attendance

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[9.2] Subcontractor (1) details:

Subcontractor (2) details:

Subcontractor (3) details:

Subcontractor (4) details:

12.1.22 Protection of works

[11.1] Specific requirements:

12.1.23 Disturbance

[11.5] Specific requirements:

The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent

12.1.24 Environmental disturbance

[11.6] Specific requirements:

12.2 POST-TENDER INFORMATION

12.2.1 Payment of preliminaries

[10.2] Option A (prorated) (yes/no) _____

Option B (calculated) (yes/no) _____

12.2.2 Adjustment of preliminaries

[10.3] Option A (three categories) (yes/no) _____

Option B (detailed breakdown) (yes/no) _____

12.2.3 Additional agreed preliminaries items Details:

SECTION C: SPECIFIC PRELIMINARIES

Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

C1 CONTRACT DRAWINGS

101 The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed

Should any part of the drawings not be clearly intelligible to the tenderer he/she shall, before submitting his tender, obtain clarification in writing from the principal agent

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<u>C2 PREAMBLES</u>		
102	<p>The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.0" is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used</p> <p>The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities</p> <p>F: V: T:</p>	Item
<u>C3 TRADE NAMES</u>		
103	<p>Wherever a trade name for any product has been described in the bills of quantities, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>F: V: T:</p>	Item
<u>C4 IMPORTED MATERIALS AND EQUIPMENT</u>		
104	<p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>F: V: T:</p>	Item
<u>C5 VIEWING THE SITE IN SECURITY AREAS</u>		
105	<p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>F: V: T:</p>	Item
<u>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</u>		
106	<p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>F: V: T:</p>	Item
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<u>C7 ENTRANCE PERMITS TO SECURITY AREAS</u>		
107	As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer F: V: T:	Item
<u>C8 SECURITY CHECK OF PERSONNEL</u>		
108	The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works F: V: T:	Item
<u>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</u>		
109	In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959 F: V: T:	Item
<u>C10 HIV/AIDS AWARENESS</u>		
It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment		
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<u>C10.1 AWARENESS CHAMPION</u>		
110	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification F: V: T:	Item
<u>C10.2 AWARENESS WORKSHOPS</u>		
111	Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification F: V: T:	Item
<u>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</u>		
112	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification F: V: T:	Item
<u>C10.4 ACCESS TO CONDOMS</u>		
113	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification F: V: T:	Item
<u>C10.5 MONITORING</u>		
114	Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification F: V: T:	Item
<u>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</u>		
The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993, (Act no 85 of 1993).		
It is required of the contractor to thoroughly study the Occupational Health and Safety Specification that must be read together with and is deemed to be incorporated under the section of the Bills of Quantities. Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.		
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The quantities contained herein serve as a guideline only to determine if the contractor has sufficiently priced for the Health and Safety obligations and demand of the Occupational Health & Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health and Safety specifications. Where quantities are missing, the contractor is to insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demand of the Occupational Health & Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health and Safety specifications.

The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.

Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

After pricing of the health and safety bill of quantities, the Contractor must sign the Certificate of Acquaintance as evidence that he is up to date regarding the contents, obligations and demands of the Occupational Health & Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health and Safety specifications. Failure by the tenderer, to sign the Certificate of Acquaintance may result in the tender being deemed non-responsive.

All Costs to comply with the Health and Safety obligations and demands of the Occupational Health & Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health and Safety specifications must be carried to item 116 of the Bills of Quantities 'C11 OCCUPATIONAL HEALTH AND SAFETY ACT'

The Contractor Shall:

- i. Comply with the health and safety specification
- ii. Prepare a health and safety plan for the construction work
- iii. Prepare a health and safety file for the OHS system implementation
- iv. Co-operate with OHS Consultant/Agent appointed by Public Works in all respects
- v. Manage the OHS compliance of all sub-contractors as per OHS specification

1. Preparation of Contractors Project Specific Health and Safety Plan.

The rate for this item must cover all expenses incurred in preparing the Contractors project specific Health and Safety Plan as required by the Clients project specific Health and Safety Specification in this document.

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2. Principal Contractors initial obligations in respect of the Occupational Health and Safety Act Construction Regulations.

The full amount will be paid in one instalment only when the Clients Agent has verified and approved the following:

- (a) The Principal Contractor has made the required initial Appointments of Employees and Contractors
- (b) The client has approved the Principal Contractors project Health and Safety Plan and File.
- (c) The Principal Contractor has set up his Health and Safety File.
- (d) The Principal Contractor has evidence of site lay-out requirements which will include signage, fire extinguisher(s) and First Aid boxes.

3. Principal Contractors time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations.

The amount shall represent full compensation for the part of Principal Contractor's general obligations in terms of the Occupational Health and Safety Act and Regulations which are mainly a function of time. Payment will be made when the Clients Agent has verified the Principle Contractors compliance as part of the audit. This will include the implementation, updating and administration of the Health and Safety File and SHE Plans.

4. Provision of Personal Protective Equipment (PPE) as listed in the Bills of Quantities.

The rates for these items shall include for the procurement, delivery, storage, distribution, and all other actions required for the supply of PPE to employees of the Principle Contractor, full or part time, requiring them. Sub-Contractors are responsible of their own costs in this regard. Any item of PPE not included on the list will be paid for only after the Engineer has agreed to their acquisition.

Items listed will include, among others which may be noted, are: hard hats, reflective vests, reflective bibs, high visibility overalls, protective foot wear, fall arrestor harness and tethers, gloves, ear muffs, earplugs, and dust masks of appropriate type. Normal items such as standard overalls, waterproof clothing, gum boots and standard workshop safety equipment such as welding masks and goggles will not be paid for.

Payment will be based on the issues register for PPE as kept by the Construction Health and Safety Officer, backed up by paid invoices if requested.

5. Provision of full-time Registered Construction Health and Safety Officer (Month)

The Tender sum shall include for the cost of Construction Health and Safety Officer on a full-time basis, his overheads, transport and all other items necessary for the proper carrying out of his duties, which include the induction and training of all perons on site. If a part time safety officer is appointed, by agreement with the Employer, then the amount Tendered will be prorated according to the amount time spent on the project.

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Costs of Medical Surveillance (Unit x employees)

This item shall cover all costs involved in the obtaining of baseline medical examinations of Temporary labour, including operators for mobile plant as contemplated in CR 21(d) (ii): for temporary workers and workers exposed to noises at or above the limits given in the NHLR.

Permanent workers costs will be paid if the fit for work certificate expires during the project.

6. a) Initial (baseline) medical examinations, including audiometric and lung function testing.

- 115 Preparation of the Contractor's site specific Health and Safety Plan and Safety File.

Item

F: V: T:

- 116 Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Contrsuction Regulations, in Particular (Asbestos, Demolition, Electrical, Machinery and other investigations)

Item

F: V: T:

- 117 Preparation of the Contractors fall Protection Plan and Rescue Plan.

Item

F: V: T:

- 118 Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Contrsuction Regulations

Item

F: V: T:

- 119 Close-Out Report of Works and Scanning and Submission of OHS file/documentation/COC's/Concrete Tests, etc. electronically.

Item

F: V: T:

Health and Safety Consultant

Duties (6.2):

The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspect of the works.

The OHS Agent shall:

i. Act as the employer's agent in terms of the Construction Regulations of 2014 issued in terms of the Occupational Health & Safety Act, 1993 as amended

ii. Prepare and update the health and safety specification of the works

iii. Agree with the contractor the health and safety plan for the works

iv. Carry out regular Audits to ensure adherence to the safety plan and compliance with the OHS Act and its regulations

v. Stop the execution of the works where the agreed specification or plan is not adhered to

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	<u>Provision of full-time Registered Construction Health and Safety Officer with SACPCMP</u>		
120	<p>The tender sum shall include for the cost of Construction Health and Safety Officer on a full-time basis, overheads, transport and all other items necessary for the proper carrying out of his duties, which include the induction and training of all persons on site for a period of 12 Months.</p> <p>F: V: T:</p>	Item	
	<u>Provision of full-time Registered Construction Manager with SACPCMP</u>		
121	<p>The tender sum shall include for the cost of Construction Manager on a full-time basis, overheads, transport and all other items necessary for the proper carrying out of his duties, which include the induction and training of all persons on site for a period of 12 Months. (Must have OHS Legal Liability Training Certificate)</p> <p>F: V: T:</p>	Item	
	<u>Provide, supply and maintenance for each worker the following SANS approved personal protective equipment clothing as per the site-specific risk assessments:</u>		
122	<p>Provision of Personal Protective Equipment (PPE) as listed in the Bills of Quantities.</p> <p>The rates for these items shall include for the procurement, delivery, storage, distribution and all other actions required for the supply of PPE to employees of the Principal Contractor, full or part-time, requiring them. Sub-Contractors are responsible for their own costs in those regard. Any item of PPE not included on the list will be paid for only after the engineer has agreed to their acquisition.</p> <p>Items included will include, among others which may be noted, are: hard hats, reflective vests, reflective bibs, high visibility overalls, protective footwear, fall arrestor harness and tethers, gloves, ear muffs, ear plugs, and dust masks of appropriate type.</p> <p>Normal items such as standard overalls, waterproof clothing, gum boots and standard workshop safety equipment such as welding masks and goggles will not be paid for employees. (All PPE must be provided for by Contractor)</p> <p>Payment will be based on the issues register for PPE as kept by the Construction Health and Safety Officer, backed up by paid invoices if requested.</p> <p>F: V: T:</p>	Item	
123	<p>Personal fall arrest and rescue equipment with and including life lines and associated equipment with Working at Heights</p> <p>F: V: T:</p>	Item	
124	<p>Temporary warning signs and symbols.</p> <p>F: V: T:</p>	Item	
125	<p>SANS approved safety netting (orange colour with minimum of 1.2 metres high)</p> <p>F: V: T:</p>	Item	
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			Amount
126	Emergency/Evacuation alarm F: V: T:	Item	
127	Fire Extinguisher (Annual Service Included) F: V: T:	Item	
	<u>Covid-19 Mitigation Measures:</u>		
128	Provision of infrared digital thermometer. the contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
129	Provision of two(2) cloth face masks per employee. Face masks to be three (3) layer. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
130	Provision of surgical masks (issued to employees for 21 days from date of diagnosis). The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
131	Provision of three(3) ply disposable masks for visitors. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
132	Provision of 400ml hand soap dispenser. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
133	Provision of 2 Litre mountable sanitizer dispenser. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
134	Provision of Face shields. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
135	Provision of latex gloves (screening resources). The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
136	Provision of hand and equipment sanitizer (at least 70% alcohol content) as recommended by Department of Health (DoH). The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item	
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137	Provision of Covid-19 awareness warning signs. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item
138	Provision for disposal of contaminated material (health care waste) e.g. Used masks, gloves, paper towels, etc. Waste generated to be collected transported and disposed off in an environmetally sound and legally compliant manner to licensed nearest disposal site. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item
139	Provision of medical waste bins and plastics. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item
140	Provision of paper towels (280 meters) and tissues (dry hands). The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item
141	Provision of floor/wall graphics (e.g. seat makers, vinyl mats, candy red tape, steakrs, etc.) for social distancing. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item
142	Provision for Covid-19 compliance officer on a full-time basis, overheads, transport and all other items necessary for the proper carrying out of duties. F: V: T:	Item
143	Provision for setting up a station for acess control with all screening requirements (e.g. table, chairs, stationery, etc,) and station for isolation. F: V: T:	Item
144	Provision for administrative costs for COIDA claims, notifications, reporting (SARS-Cov-2 positive casesacquired at workplace), to The Department of Employment and labour. The contractor is to insert his own quantities based on his individual requirements to comply with clauses of the Direction NO. R. 639 of 4th June 2020 F: V: T:	Item
<u>Costs of Medical Certificates and Medical Surveillance:</u> This item shall cover all costs involved in the obtaining of baseline medical examinations with registered Occupational medical Practitioner for all temporary labourers, including operators for mobile plant and contemplated in CR 21(d) (ii): for temporary workers exposed to noises at or above the limits given in NHLR. Permanen workers costs will be paid if the fit for work certificate expires durig the project.		
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145	Initial (baseline) medical examinations, including audiometric and lung function. F: V: T:	Item
146	Working at heights medical examinations. F: V: T:	Item
147	Medical surveillance in harzedous chemical substance and asbestos management. F: V: T:	Item
148	Periodic and exit examinations and inoculation's (hepatitis's and tetanus) F: V: T:	Item
149	Exit medical (end of project). (sewer works and asbestos works only) F: V: T:	Item
150	Contractor charges to allow for handling costs. (%) F: V: T:	Item
<u>Health and Safety Education.</u>		
151	Induction Training. (Contractor is to insert the quantity based on the contractors own requirements) F: V: T:	Item
152	Tool box talks. (Contractor is to insert the quantity based on the contractors own requirements) F: V: T:	Item
153	Provision of first Aid boxes to GSR requirements. (Contractor is to insert the quantity based on the contractors own requirements) F: V: T:	Item
154	Working at heights facilitation (Developer of Fall Arrest must have accredited training) F: V: T:	Item
<u>Method Statements:</u>		
155	Risk Assessements CR 9(1) F: V: T:	Item
156	Fall protection plan CR 10(1) F: V: T:	Item
157	Electrical and use of machinery CR 24 F: V: T:	Item
158	Emergency Paln and Response Plan F: V: T:	Item
159	Fire precautions F: V: T:	Item
160	Site Security F: V: T:	Item
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161	Construction Vehicles and Mobile Plant F: V: T:	Item	
162	Use of power tools. F: V: T:	Item	
	<u>Personal Welfare facilities</u>		
163	Ablution facilities F: V: T:	Item	
164	Toilet paper F: V: T:	Item	
165	Hand soap F: V: T:	Item	
166	Eating area F: V: T:	Item	
167	Showers F: V: T:	Item	
	<u>Disturbance</u>		
168	All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance, to public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever. F: V: T:	Item	
	<u>Defined work area</u>		
169	The area of the works to be occupied by the contractor, any restriction to the area and the limit of access or exit will be defined and pointed out on the handover of the site. Building equipment and materials must be neatly stacked and stored on the building site and not on neighbouring properties, roads, pavements and public open spaces. F: V: T:	Item	
170	Notwithstanding anything to the contrary contained herein, any area outside of the site boundaries for which permission is given for, and which is used by the contractor to stockpile material, for their work camp, or for any other purposes must be reinstated to its former condition on completion of the works. This may involve, inter alia, the clearing away of rubble, stores, etc. grading level to the original natural contours and reinstating grassed area to its former condition by means of sodding or planted area to its former condition by means of planting F: V: T:	Item	
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		Amount
<u>Enclosure of Works</u>		
171	Due to the fact that school will be operational during construction, The contractor shall enclose the sections of the site exposed to construction by means of hoarding 1.8m high, all as per the Health and Safety requirements. Hoarding shall be maintained, kept clean and free from unauthorised posters, graffiti, etc. and finally removed including making good' F: V: T:	Item
<u>Environmental Disturbance</u>		
172	The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during construction period due to inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc. The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works F: V: T:	Item
<u>Demolition Works</u>		
173	Demolition of Buildings or structures will be supervised by competent person appointed by the contractor. Demolitions design will be done by a structural engineer before commencement of works F: V: T:	Item
<u>Environmental Monitoring</u>		
174	(a) Air sampling insitu F: V: T:	Item
175	(b) Analysing Samples F: V: T:	Item
176	(c) Tests on Workers F: V: T:	Item
<u>Noise Monitoring per item of Equipment or plant</u>		
177	(a) Establishing of noise zones (plant) F: V: T:	Item
178	(b) Audiograms (personnel) F: V: T:	Item
179	Submission of Health and Safety File in electronic format F: V: T:	Item
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PRELIMINARIES

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SECTION NO.2

FOUNDATIONS (PROVISIONAL)

	Unit	Quantity	Rate	Amount
<u>SECTION NO.2</u>				
<u>FOUNDATIONS (PROVISIONAL)</u>				
<u>BILL NO. 1</u>				
<u>EARTHWORKS</u>				
<u>(CPAP WORK GROUP NO. 104 UNLESS OTHERWISE STATED)</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Nature of ground:</u>				
A soils investigation has been carried out on site by the Engineer and the report is annexed to these Bills of Quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as earth described in the above report and where conditions of a more difficult character are indicated these are separately measured.				
<u>Carting away of excavated material:</u>				
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.				
<u>EXCAVATION, FILLING, ETC. OTHER THAN BULK</u>				
<u>Excavation in earth not exceeding 2m deep:</u>				
1 Trenches.	m ³	233		
2 Hole, column bases, etc.	m ³	33		
<u>Excavation in earth for pit:</u>				
3 Not exceeding 2m deep.	m ³	254		
4 Exceeding 2m deep but not exceeding 4m deep.	m ³	63		
<u>Extra over trench and hole excavations in earth for excavation:</u>				
5 Soft rock. (Labour Intensive)	m ³	117		
6 Hard rock.	m ³	58		
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Bill No. 1				
Earthworks				

	Unit	Quantity	Rate	Amount
<u>Extra over all excavations for carting away:</u>				
7				
Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m³	382		
8				
Surplus material from excavations and/or stock piles spread and levelled within 100m radius of construction site (Measured nett with no allowance made for bulking)	m³	38		
<u>Risk of collapse of excavations:</u>				
9				
Sides of trench and hole excavations not exceeding 1,5m deep.	m²	754		
10				
Sides of trench and hole excavations exceeding 1,5m deep.	m²	223		
<u>EARTH FILLING, ETC.</u>				
<u>Earth filling obtain from the excavations and/or prescribed stock piles on site, spread, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density in:</u>				
11				
Under solid floors.	m³	56		
12				
Backfilling to trenches, holes, etc.	m³	202		
<u>Approved earth filling (G7) supplied by the Contractor, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density:</u>				
13				
Under floors.	m³	20		
14				
Backfilling to trenches, holes, etc.	m³	92		
<u>Selected approved grade (G5) quality material supplied by the contractor, spread, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density in:</u>				
15				
Under floors.	m³	73		
<u>Coarse river sand filling supplied by Contractor:</u>				
16				
Under floors, etc to receive damp proof membrane (elsewhere measured).	m²	24		
<u>KEEPING EXCAVATIONS FREE OF WATER</u>				
<u>Keeping excavations free of water:</u>				
17				
Keeping excavations free of all water other than subterranean water.	Item			
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EARTHWORKS
COLLECTION

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Earthworks

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<u>SECTION NO.2</u> <u>FOUNDATIONS (PROVISIONAL)</u> <u>BILL NO. 2</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> <u>(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Cost of tests:</u> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).</p> <u>Breeze Concrete:</u> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated.</p> <u>Foamcement Lightweight Concrete:</u> <p>Foamcement lightweight concrete is to have a density of 600kg/m³ for the top 50mm and 500kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc. shall be 50mm.</p> <u>Celbeton Lightweight Concrete:</u> <p>Celbeton lightweight concrete is to have a density of 1000kg/m³ for the top 20mm and 408kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc. shall be 30mm.</p>				
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Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<u>Formwork:</u>				
Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.				
Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.				
Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.				
The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.				
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>15MPa/19mm Stone mass concrete:</u>				
1 Filling to cavity of hollow walls.	m ³	13		
2 Blinding under bases, footings, etc.	m ³	15		
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>25 MPa/19mm Concrete:</u>				
3 Strip footings.	m ³	47		
4 Filling to brick piers.	m ³	1		
<u>REINFORCED CONCRETE</u>				
<u>25 MPa/19mm Concrete:</u>				
5 Bases.	m ³	45		
6 Steps.	m ³	5		
7 Ramps.	m ³	5		
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Concrete, Formwork And Reinforcement				

		Unit	Quantity	Rate	Amount
<u>REINFORCED CONCRETE</u>					
<u>30 MPa/19mm Concrete:</u>					
8	Filling to cavity of hollow walls.	m ³	9		
9	Surface beds on waterproofing.	m ³	54		
10	Slabs including beams.	m ³	18		
<u>Sundries:</u>					
11	30mm Thick "Isoboard" or similar approved SABS approved high density 32-36kg/m ² rigid extruded polydrene 100% closed cell insulation board laid below surface beds, etc.	m ²	245		
<u>TEST BLOCKS.</u>					
<u>Test blocks:</u>					
12	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.	Sets	9		
<u>FINISHING TOP SURFACE OF CONCRETE</u>					
<u>Finishing top surfaces of concrete smooth with a wood float:</u>					
13	Surface bed, slabs, etc.	m ²	454		
<u>Finishing top surfaces of concrete smooth with a power float:</u>					
14	Surface beds, slabs, etc.	m ²	126		
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>					
<u>Rough formwork to sides and soffits including propping up not exceeding 3.5m high from bearing level:</u>					
15	Soffit of 170mm thick slab including removal through opening size 680 x 595mm.	m ²	70		
16	Extra over last to form 680 x 595mm square opening for access manholes.	No	20		
17	Ditto, but to form 450mm diameter opening for VIP pedestals (elsewhere measured)	No	20		
<u>Rough formwork to sides:</u>					
18	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	74		
Carried to Collection				R	
Section No. 2					
Bill No. 2					
Concrete, Formwork And Reinforcement					

		Unit	Quantity	Rate	Amount
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>					
<u>Smooth formwork to sides and soffits including propping up not exceeding 3.5m high from bearing level:</u>					
19	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	146		
20	Sides and soffits of beams.	m ²	21		
<u>MOVEMENT JOINTS, ETC.</u>					
<u>Isolation joints with 10mm bitumen impregnated softboard between vertical concrete and brick surfaces:</u>					
21	Not exceeding 300mm high to edges of surface beds.	m	83		
<u>Saw-cut joints:</u>					
22	3 x 40mm Saw-cut joints in top of concrete.	m	35		
<u>REINFORCEMENT</u>					
<u>High tensile steel reinforcement to structural concrete work:</u>					
23	10mm Diameter bars.	Tonnes	0.10		
24	12mm Diameter bars.	Tonnes	6.75		
25	16mm Diameter bars.	Tonnes	0.18		
26	20mm Diameter bars.	Tonnes	0.10		
<u>Fabric reinforcement:</u>					
27	Ref 193 fabric reinforcement in concrete surface beds, etc.	m ²	417		
28	Ref 311 fabric reinforcement vertically in concrete filled hollow walls (concrete and wall elsewhere measured)	m ²	118		
Carried to Collection					R
Section No. 2					
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Concrete, Formwork And Reinforcement					



BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT
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Bill No. 2

Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<u>SECTION NO.2</u> <u>FOUNDATIONS (PROVISIONAL)</u> <u>BILL NO. 3</u> <u>MASONRY</u> <u>(CPAP WORK GROUP NO. 118 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <u>BRICKWORK</u> <u>Sizes in descriptions:</u> <p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.</p> <u>Hollow walls etc:</u> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.</p> <p>Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats 'Brixeal' bitumen emulsion waterproofing coating.</p> <u>Face bricks:</u> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour.</p> <u>Pointing:</u> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <u>BRICKWORK IN FOUNDATIONS</u> <u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>				
1	m ²	49		
2	m ²	109		
3	m ²	270		
Carried to Collection			R	
Section No. 2				
Bill No. 3				
Masonry				

		Unit	Quantity	Rate	Amount
4	300mm Brick wall in two half brick skins with 80mm cavity filled in with 30MPa reinforced concrete (reinforcing and concrete elsewhere measured).	m ²	118		
	<u>BRICKWORK SUNDRIES</u>				
5	Splayed mortar fillet one course high in 50mm cavity.	m	163		
	<u>Weepholes, openings etc.</u>				
6	Form hole size 110 x 220 x 750mm thick through 220mm brick wall.	No	55		
	<u>Bagging and sealing the outer face of inner skin of walls with 1:6 cement and sand mixyure and seal with two coats "ABE Brixal" bitumenous emulsion waterproofing coating:</u>				
7	To walls.	m ²	270		
	<u>Brickwork reinforcement:</u>				
8	150mm Wide reinforcement built in horizontally.	m	1 259		
9	225mm Wide reinforcement built in horizontally.	m	4 477		
	<u>FACE BRICKWORK</u>				
	<u>Grahamstown Heritage Satin FBX face bricks pointed with 12mm round recessed horizontal and vertical joints:</u>				
10	Extra over brickwork for face brickwork.	m ²	163		
11	Extra over brickwork for face brickwork in 340 x 340mm piers.	m ²	28		
	<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces fixed with ABE or similar approved wet to dry epoxy all in accordance with the manufacture's specification:</u>				
12	220mm Wide coping pointed on face and on top.	m ²	36		
13	Ditto, but with bull nose to front edge.	m ²	18		
	<u>INTERNAL PLASTER</u>				
	<u>15mm Thick cement plaster (5:1) on brickwork or concrete finished with a wood float:</u>				
14	On walls in toilet pit	m ²	118		
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Section No. 2					
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Masonry					



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MASONRY
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Bill No. 3
Masonry



			Amount
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<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>SECTION SUMMARY</u>			
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2	CONCRETE, FORMWORK AND REINFORCEMENT	45	
3	MASONRY	48	
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SECTION NO.3

SUPERSTRUCTURE

		Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u>					
<u>SUPERSTRUCTURE</u>					
<u>BILL NO. 1</u>					
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>					
<u>(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)</u>					
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>					
<u>30MPa/19mm concrete</u>					
1	Isolated beams	m ³	15		
<u>CONCRETE TEST BLOCKS</u>					
2	Making and testing 150 x 150 x 150mm concrete strength cube.	No	12		
<u>FORMWORK</u>					
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>					
<u>Smooth formwork to sides and soffits including propping up not exceeding 3.5m high from bearing level:</u>					
3	Isolated beams.	m ²	111		
<u>MOVEMENT JOINTS, ETC</u>					
<u>Isolation joints with 12mm bitumen imprgnated softboard between vertical concrete and brick surfaces:</u>					
4	Not exceeding 300mm wide.	m	79		
<u>REINFORCEMENT (PROVISIONAL)</u>					
<u>Mild steel rod reinforcement to structural concrete work:</u>					
5	10mm Diameter bars.	Tonnes	0.70		
<u>High tensile steel reinforcement to structural concrete work:</u>					
6	10mm Diameter bars.	Tonnes	0.75		
7	12mm Diameter bars.	Tonnes	0.75		
Carried To Section Summary				R	
Section No. 3					
Bill No. 1					
Concrete, Formwork And Reinforcement					

SECTION NO.3

SUPERSTRUCTURE

BILL NO. 2

MASONRY

(CPAP WORK GROUP NO. 118 UNLESS OTHERWISE STATED)

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill

SUPPLEMENTARY PREAMBLES

Proprietary items or materials

Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.

Hollow Walls:

Walls in two skins described as bagged and sealed shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats Brixal bitumen emulsion waterproofing coating. Description of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole

Facebrick:

Descriptions of recessed pointing shall include fair face brickwork and face brickwork shall be deemed to include square recessed hollow weathered pointing etc.

Pointing:

Descriptions of recessed pointing shall include fair face brickwork and face brickwork shall be deemed to include square recessed hollow weathered pointing etc.

BRICKWORK IN SUPERSTRUCTURE

Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:

1	Half brick wall in 340 x 340mm hollow columns filled with concrete (concrete elsewhere measured)	m ²	18
2	Half brick walls.	m ²	159
3	Ditto, but in beamfilling.	m ²	16
4	One brick walls.	m ²	43

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Section No. 3

Bill No. 2

Masonry

		Unit	Quantity	Rate	Amount
5	Ditto, but in firewall.	m ²	26		
6	270mm Hollow wall in two half brck skins including wire ties.	m ²	307		
7	Ditto, but in gables above wall plate level.	m ²	40		
<u>BRICKWORK SUNDRIES</u>					
8	Closing 50mm cavities of hollow walls horizontally with one course of brickwork.	m	68		
9	Closing 50mm cavities of hollow walls vertically with brickwork half brick wide.	m	205		
10	30mm Thick "Isoboard" or similar approved SABS high density 32-36kg/m2 rigid extruded polystyrene 100% closed cell water repellent insulation board in cavity of hollow walls and fixed to inner skin in strict accordance with manufacture's instructions.	m ²	458		
11	Leave or form wheepholes in outer skin of hollow wall by leaving open perpends at 920mm centres. (Provisional)	No	180		
<u>Bagging and sealing the outer face of inner skin of walls with 1:6 cement and sand mixyure and seal with two coats "ABE Brixéal" bitumenous emulsion waterproofing coating:</u>					
12	To walls.	m ²	458		
<u>BRICK REINFORCEMENT</u>					
<u>Brickwork reinforcement:</u>					
13	75mm Wide reinforcement built in horizontally.	m	638		
14	150mm Wide reinforcement built in horizontally.	m	877		
15	225mm Wide reinforcement built in horizontally.	m	1 354		
<u>Prestressed fabricated precast lintels including necessary temporary supports:</u>					
16	110 x 75mm Lintels in lengths not exeeding 3m.	m	74		
17	150 x 75mm Lintels in lengths not exceeding 3m.	m	53		
<u>Turning pieces to lintels, etc:</u>					
18	270mm Wide turning piece to lintels etc.	m	36		
				R	
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Section No. 3 Bill No. 2 Masonry					

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		Unit	Quantity	Rate	Amount
<u>TIES AND CRAMPS</u>					
<u>Galvanised wire ties etc:</u>					
19	32 x 1.6mm Roof tie 1500mm long with one end fixed to timber and other end built seven courses into brickwork. (Provisional)	No	156		
<u>VENTILATION</u>					
<u>Air bricks etc:</u>					
20	229 x 152mm Clay vermin proof air brick. (Provisional)	No	20		
<u>MOVEMENT JOINTS, ETC (PROVISIONAL)</u>					
<u>Expansion joints with softboard between vertical brick and concrete surfaces:</u>					
21	12mm Joint not exceeding 300mm wide.	m	35		
22	Ditto, but exceeding 300mm wide.	m ²	5		
<u>FACE BRICKWORK</u>					
<u>Grahamstown Heritage Satin FBX face bricks pointed with 12mm round recessed horizontal and vertical joints:</u>					
23	Extra over brickwork for face brickwork.	m ²	173		
24	Ditto, but internally.	m ²	81		
25	230mm Facebrick wall pointed on both sides.	m ²	27		
26	Extra over brickwork for facing 340 x 340mm piers.	m ²	21		
<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces fixed with ABE or similar approved wet to dry epoxy all in accordance with the manufacture's specification:</u>					
27	220mm Wide coping pointed on face and on top.	m	29		
28	230mm wide sill set sloping and slightly projecting.	m	68		
				R	
Carried to Collection					
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	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u> <u>SUPERSTRUCTURE</u> <u>BILL NO. 3</u> <u>WATERPROOFING</u> <u>(CPAP WORK GROUP NO. 120 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <u>Waterproofing:</u> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p> <u>DAMPPROOFING OF WALLS AND FLOORS</u> <u>One layer of 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u>				
1	m ²	141		
<u>One layer of 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape:</u>				
2	m ²	487		
<u>JOINT SEALANTS, ETC.</u> <u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u>				
3	m	35		
4	m	35		
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Section No. 3 Bill No. 3 Waterproofing				

	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u> <u>SUPERSTRUCTURE</u> <u>BILL NO. 4</u> <u>ROOF COVERINGS</u> <u>(CPAP WORK GROUP NO. 124 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <u>ROOF COVERINGS, ETC.</u> <u>GALVANISED STEEL ROOF SHEETING AND ACCESSORIES</u> <u>0.58mm "IBR686" Z200 Galvanized roof sheets with Chromadek finish, Colour: Dark Dolphin to one side and standard grey backing coat to other side, ect, including fixing to timber purlins (elsewhere measured), strictly in accordance with manufacturer's specification.</u>				
1	m ²	709		
<u>0.8mm Standard 'IBR686" Chromadakk Roof trims and Flashings:</u>				
2	m	709		
3	m	70		
4	m	10		
5	m	141		
6	m	141		
Carried to Collection			R	
Section No. 3 Bill No. 4 Roof Coverings				



		Unit	Quantity	Rate	Amount
<u>ROOF INSULATION</u>					
<u>'Sisalation FR405' or similar approved heavy industrial grade aluminium foil based insulation.:</u>					
7	Insulation laid taut over battens (at approximately 380mm centres) and fixed concurrent with roof covering including galvanised steel straining wires, laps, etc.	m ²	710		
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Section No. 3					
Bill No. 4					
Roof Coverings					



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Roof Coverings



	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>SUPERSTRUCTURE</u></p> <p><u>BILL NO. 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>(CPAP WORK GROUP NO. 126 UNLESS OTHERWISE STATED)</u></p> <p><u>TRADE PREAMBLES</u></p> <p><u>Trade Preambles:</u></p> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <p><u>Particle board:</u></p> <p>Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type.</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.</p> <p><u>Fixing:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish.</p> <p>Gumpole structural units shall be in accordance with the following SABS Specifications:</p> <p>SABS 457-1982: Wooden poles, droppers, guard rail posts and spacer blocks.</p> <p>Units with defects exceeding the maximum permissible defects as listed in table 1 of SABS 457, shall be remove from site and shall under no circumstances be used in any part of the structure.</p>				
Carried to Collection			R	
Section No. 3				
Bill No. 5				
Carpentry And Joinery				

	Unit	Quantity	Rate	Amount
State diameters are top (thin) end diameters in all cases.				
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>				
Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Principal Agent.				
All trusses shall be designed by a registered Professional Engineer in accordance with SABS Code of Practice for Design of Timber Structures.				
The complete structure shall be inspected by the truss designer to ensure that the manufacture and erection details have been complied with.				
<u>Sawn Softwood:</u>				
<u>Prefabricated timber roof construction complete including purlins, runners, bracing hips, valleys, cleats, purlins, etc., supplied and fixed complete:</u>				
1 Prefabricated timber roof construction to double pitched roof with one hipped end, for a rectangular building size 11.34 x 32.13m overall on plan having 25 degree pitch, including trusses, jack rafters, permanent bracing and 50 x 76mm purlins for IBR roof covering including overhangs to eaves and verges (wall plate elsewhere measured). (3 x Grade R Classrooms, soup kitchen and verandah)	Item			
2 Prefabricated timber roof construction to double pitched roof for a rectangular building size 4.08 x 15.40m overall on plan having 25 degree pitch, including trusses, jack rafters, permanent bracing and 50 x 76mm purlins for IBR roof covering including overhangs to eaves and verges (wall plate elsewhere measured). (Grade R Toilet Block)	Item			
3 Prefabricated timber roof construction to double pitched roof for a rectangular building size 4.08 x 15.40m overall on plan having 25 degree pitch, including trusses, jack rafters, permanent bracing and 50 x 76mm purlins for IBR roof covering including overhangs to eaves and verges (wall plate elsewhere measured). (School New Toilet Block)	Item			
4 114 x 38mm Wall plates.	m	123		
<u>"Meranti" wrought laminated timber:</u>				
5 76 x 228mm Beams.	m	82		
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Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
<u>EAVES, VERGES, ETC.</u>					
<u>Medium density plain fibre-cement fascial and barge boards:</u>					
6	12 x 225mm Fascia boards, including galvanised steel H-profile joiners, etc.	m	192		
<u>SKIRTINGS</u>					
<u>Wrought meranti:</u>					
7	19 x 90mm Skirtings including 19mm quadrant bead, nailed.	m	156		
<u>FRAMED DOORS, ETC.</u>					
<u>Heavy duty wrought meranti doors hung to steel frames:</u>					
8	44mm Framed batten door size 813 x 2032mm high of top rail and stile, middle ledge and braces and bottom rail filled in with V-joined one side boarding. (D02)	No	1		
<u>PURPOSE MADE SOLID LAMINATED FLUSH DOORS</u>					
<u>40mm solid laminated flush doors with hardwood veneer and two concealed edges hung to steel frames:</u>					
9	40mm Door size 850 x 1040mm high. (D05)	No	9		
10	40mm Door size 813 x 1882mm high. (D05)	No	10		
<u>40mm solid laminated flush doors with hardwood veneer and two concealed edges including 0.8mm galvanized sheet metal cladding to external face and hung to steel frames:</u>					
11	40mm Door size 813 x 2032mm high. (D03)	No	6		
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Carpentry And Joinery					

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JOINERY FITTINGS

NOTE:

To assist in pricing the Joinery fittings items that are measured under this section have been described briefly. The number of units per fitting have been measured and tenderers are to insert a rate against each item. Tenderers are advised to inspect the details and drawings of the joinery fittings when pricing this section. All drawings for joinery fittings are bound at the back of these bills of quantities. Drawing numbers are used as reference for pricing purposes.

The Architect's detailed drawings take preference over the descriptions in these bills of quantities and no claim for extras will be considered where descriptions in the bills of quantities are inadequate for pricing or in conflict with the Architect's detailed drawings. Pricing include installation complete ironmongery, drawer, runners, guides, varnish, and/or painting, etc. where required and finishing off with clear silicon sealant where finishes adjoin walls, etc.

FRAMED FRAMES ETC

Shelving:

- 12 Open shelving to "Store Room" size 2250 x 450 x 1850mm high overall fixed complete including steel powdercoated wall bands, brackets, etc. per attached draawing No. E1344_AR-954 Detail "JO4"

No 3

Desks, Worktops, Etc.:

- 13 2350 x 1300mm L-shaped teachers worktop formed of 32mm thick white "PG Bison" water resistant formica HPL post-formed top with mitred exposed edges including galvanised steel brackets, etc. fixed complete as per attached drawing No. E1344_AR-950 and drawing No. E1344_AR-951 Detail "JO1"

No 3

- 14 Extra over last for 16mm thick "PG Bison Bisonlam" melamine faced particle board front and side panel with and including 3mm thick factory fitted PVC square edging to exposed edges fixed complete as per attached drawing No. E1344_AR-951 Detail "JO1"

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Bill No. 5

Carpentry And Joinery

		Unit	Quantity	Rate	Amount
15	2000 x 600mm Wide classroom worktop formed of 32mm thick white "PG Bisoon" water resistant formica HPL post-formed top with mitred exposed edges including galvanized steel brackets, etc. fixed complete as per attached drawing No. E1344_AR-950 and drawing No. E1344_AR-952 Detail "JO2"	No	3		
16	6000 x 600 x 600mm High classroom worktop with open double lockers below, formed of 32mm thick white "PG Bison" water resistant formica HPL post-formed top with mitred exposed edges, 16mm thick white "PG Bison Bisonlam" melamine faced particle board panels, shelves, dividers and plinths with and including 3mm thick factory fitted PVC square edging to exposed edges fixed complete as per attached drawing No. E1344_AR-952 Detail "JO2"	No	3		
17	1970 x 1300mm L-shaped kitchen worktop formed of 32mm thick white "PG Bison" water resistant formica HPL post-formed top with mitred exposed edges including galvanised steel brackets, etc. fixed complete as per attached drawing No. E1344_AR-953 Detail "JO3"	No	1		
18	Ditto, but as per attached drawing No. E1344_AR-953 Detail "JO3"	No	1		
19	1400 x 400 x 32mm Thick White "PG Bison" Supawood water resistant formica HPL post-formed top with mitred exposed edges as serving counter fixed complete on top of 280mm brickwall including all necessary cleats, brackets, etc. as per attached drawing No. E1344_AR-953 Detail "Soup Kitchen Service Hatch"	No	0		
<u>FURNITURE</u>					
20	Grade R eight seater table as per attached specification.	No	1		
21	Grade R school chair as per attached specification.	No	120		
22	Single timber bed base to sick bay complete with a mattress, size overall 1964 x 954mm wide as per attached drawing No. E1344_AR-955 Detail "JO5"	No	3		
23	Upholstered side chair with arms as per attached specification.	No	3		
24	Ditto, but without arms as per attached specification.	No	3		
25	900 x 2000mm High book shelf with five shelves as per attached specification.	No	3		
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Carpentry And Joinery					



PLAY GROUND EQUIPMENT

Jungle Gyms, Slides, Etc.:

100/125mm Poles and stays are to be set in concrete minimum 600mm deep with bottom ends of poles protruding through concrete base to allow water to drain, including 10mm stainless steel threaded bars with stainless steel nuts and washers used to assemble the structure including painting with two coats of clear varnish to timber:

- 26 "Monkey Trix Combination J" or similar approved treated wood playground equipment size 5.7 x 10.8m with and including two raised platforms size 1.8 x 1.8m each with safety rails, 2 x timber roof with supports to prevent warping, 7 rung ladder with rungs at 300mm centres, solid bridge 2.1m x 600mm wide safety handrails, 2.4m long fibreglass blue slide, etc complete including net, monkey bars, tyre climber, tyre ladder, rope ladder, firemans pole, pull U ladder and swings, sll in strict accordance with manufactures specification.

Unit	Quantity	Rate	Amount
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No	3		
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Carpentry And Joinery



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CARPENTRY AND JOINERY
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Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u> <u>SUPERSTRUCTURE</u> <u>BILL NO. 6</u> <u>CEILINGS PARTITIONS AND ACCESS FLOORING</u> <u>(CPAP WORK GROUP NO. 129 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <u>Descriptions:</u> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.</p> <u>CEILING CONSTRUCTION, CORNICES, ETC.</u> <u>NAILED UP AND SCREW UP CEILINGS</u> <u>9.5mm "RhinoCeil" flush jointed taper-edge Rhinoboard ceiling fixed print side up with taped joints screwed to and including 50 x 50mm SA {fine brander at 500mm centres in one direction, all fixed to trusses at approximately 1100mm centres and the joints finished with "Rhinolite" skim plaster trowelled to a smooth polished surface all in strict accordance with the manufacture's specification.</u>				
1	m ²	239		
2	No	4		
Carried to Collection			R	
Section No. 3				
Bill No. 6				
Ceilings Partitions And Access Flooring				

		Unit	Quantity	Rate	Amount
	<u>Everite Nutec Fibre cement ceiling:</u>				
3	9mm "Everite Nutec" fibre-cement board ceiling fixed to and including 38 x 50mm sawn softwood brandering spaced at 400mm centres in one direction only with additional brandering at outer edges of rooms and including H-profile white PVC jointing strips over joints all in strict accordance with the manufacture's instructions.	m ²	104		
4	Extra over ceiling for 600 x 600mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around.	No	3		
	<u>Cornices:</u>				
5	LSM 25 shadowline cornice plugged to walls.	m	269		
	<u>INSULATION</u>				
	<u>Non-combustible lightweight fibreglass insulation blanket:</u>				
6	135mm Approved flexible fibre glass ceiling insulation complying with SANS 10400 laid in ceiling space horizontally on top of timber ceiling brandering, all fixed in strict accordance with the manufacture's instruction.	m ²	353		
	<u>PARTITIONS, ETC.</u>				
	<u>"HUF COR" Operable Accoustic Partition System:</u>				
7	Supply and install "Hufcor 3000 Series" centres stack operable partitions with a 32DB sound rating to suit opening size 5500 x 2100mm high with sux water based painted 68mm thick MDF panels both sidees includingg necessary top and bottom retractable seals, interlocking vertical seals and end lever closure all in white powdercoated aluminium surround frame and suspended from Type 28 centre stacking track and carriers including all necessary suspension components and accoustic baffle, fitted to underside of concrete beam in strict accordance with the manufacture's specification.	No	1		
	Carried to Collection				
	Section No. 3			R	
	Bill No. 6				
	Ceilings Partitions And Access Flooring				



BILL NO. 6

CEILINGS PARTITIONS AND ACCESS FLOORING

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Section No. 3

Bill No. 6

Ceilings Partitions And Access Flooring

	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u> <u>SUPERSTRUCTURE</u> <u>BILL NO. 7</u> <u>FLOOR COVERINGS</u> <u>(CPAP WORK GROUP NO. 130 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent. <u>FLOOR COVERINGS</u> <u>2.0mm Thick Eclipse PUR reinforced homogenous vinyl floor sheeting in two colour patterns with welded joints laid with Floorworx No. 62 acrylic adhesive by a specialist subcontractor to screeded floors in strict accordance with manufacturer's instructions:</u>				
1	m ²	244		
<u>Loose Mats, etc:</u>				
2	No	3		
3	No	3		
<u>SKIRTING, NOSINGS, ETC</u> <u>'M-Trim'</u>				
4	m	6		
Carried to Collection			R	
Section No. 3 Bill No. 7 Floor Coverings				

	Unit	Quantity	Rate	Amount
<u>SUNDRIES</u>				
<u>Prepare and apply three coats water based floor dressing complying to SABS 1042:</u>				
5 On vinyl flooring.	m²	244		
Carried to Collection			R	
Section No. 3 Bill No. 7 Floor Coverings				

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BILL NO. 7
FLOOR COVERINGS
COLLECTION

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Section No. 3
Bill No. 7
Floor Coverings

SECTION NO.3

SUPERSTRUCTURE

BILL NO. 8

IRONMONGERY

(CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED)

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.

Finishes to ironmongery:

Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated.

IRONMONGERY FIXED TO DOORS, ETC.

HINGES, BOLTS, ETC:

1	100mm Aluminium sinkless hinge, centre oin with standard alignment grooving for easy fitment. (Code 1040)	Pairs	3
2	200mm "Alufab" aluminium sinkless hinge with centre pin. (Code 2040)	No	3
3	DWC-006 SS disabled WC red & white indicator and turnknob for physically impaired.	Sets	10
4	"M1519N" 150mm Aluminium flush bolt (White powdercaoted)	No	6
5	"Howick I100" 100 x 25mm SC on brass LD barrel bolt.	No	9

Carried to Collection

R

Section No. 3

Bill No. 8

Ironmongery



		Unit	Quantity	Rate	Amount
	<u>LOCKS:</u>				
	<u>'Dorma':</u>				
6	"DMWC-SS-088" SS Bathroom deadlock.	No	10		
7	"D036S SS" Stainless steel cylinder sash lock.	No	10		
8	"DDC056501 KD" 65mm five pin euro-profile double cylinder key to differ (Satin Chrome)	No	11		
9	"DBC-SS-022" SS Adjustable roller bolt.	No	19		
10	"CISA 52310" Double throw profile cylinder mortice deadlock.	No	1		
	<u>PULL HANDLES, ETC</u>				
	<u>'Dorma'</u>				
11	"DPH213BTB" 382 x 32mm SS Straight tubular pull handke including BTB fixing sets.	No	20		
12	CB30 SC lever handle on a 165 x 50mm backplate with cylinder cutout.	Pairs	10		
	<u>SUNDRIES</u>				
	<u>'Dorma'</u>				
13	"DDS-NP-018" NP floor mounted door stop.	No	7		
14	"DPS-SS-032" SS Dust proof strike.	No	3		
	<u>'Halcast':</u>				
15	Halcast 401SC door stop and holder.	No	6		
16	Chrome plated brass coat hook fixed to and including 100 x 70 x 22mm thick chamfered wrot meranti base block twice holed for and fixing to brickwork or concrete.	No	9		
17	Ditto, but set of 3 coat hooks fixed to and including 300 x 70 x 22mm thick chamfered wrot meranti base block four times holed for and fixing to brickwork or concrete.	No	6		
18	Ditto, but set of 18 coat hooks fixed to and including 2060 x 70 x 22mm thick chamfered wrot meranti base block nineteen times holed for and fixing to brickwork or concrete.	No	2		
	Carried to Collection				
	Section No. 3			R	
	Bill No. 8				
	Ironmongery				

		Unit	Quantity	Rate	Amount
	<u>KICK PLATES, ETC</u>				
	<u>1.2mm Thick grade 403 stainless steel plate drilled and countersunk for screw fixing:</u>				
19	144 x 300mm High blank push plate and fixing to timber with and including 4 countersunk headed chromplated screws.	No	9		
	<u>BATHROOM FITTINGS</u>				
	<u>Toilet roll holders</u>				
20	"Design Hardware" CP thiefproof toilet roll holder (Code B2798) plugged.	No	19		
	<u>GRAB RAILS</u>				
	<u>"Chairman Industries"</u>				
21	32mm Diameter 300 x 300 x 300mm dogleg rail with two flanges as 'DL2' Stainless steel satin polished wall mounted side grab rail.	No	2		
22	32mm Diameter 750 x 900mm 'SR1' Stainless steel polished wall mounted rear grab rail.	No	2		
	<u>STEEL LOCKERS, CUPBOARDS, ETC</u>				
23	"Insight Code CU10" Steel cupboard with powder coated finish, complete with four shelves, double lockable doors, size 900 x 6mm expansion bolts.	No	3		
	<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC:</u>				
	<u>Swing type green chalkboard to comply with SABS CKS-36-2004 or equivalent code of practice, complete with rail as one unit fixed to wall strictly according to manufacturer's instruction:</u>				
24	Chalkboard size overall 3600 x 1140mm high consisting of 1 x fixed chalkboard 1800mm wide and 2 x double sided swing type chalkboards 900mm wide:	No	3		
	<u>"Flortime" or similar approved premier carpet pinning board laminated and including 10mm softboard backing in aluminium channel frame with mitred corners, pen tray and fixing component all fixed according to manufacturer's instruction:</u>				
25	Pinning board size 900 x 1800mm high plugged to sliding folding stackway door.	No	6		
26	Pinning board size 1800 x 1000mm high plugged to brick walls.	No	3		
	Carried to Collection			R	
	Section No. 3				
	Bill No. 8				
	Ironmongery				

		Unit	Quantity	Rate	Amount
	<u>Standard wall mounted white built in type medicine cabinet complete with mirrors on doors, shelves, etc., all as approved and to manufacturer's instruction:</u>				
27	Medicine cabinet size 380mm wide x 610mm high. <u>3mm x 150mm Engraved aluminium pictogram, engraving to be filled in, coloured black. All facing edges to be bevelled and polished. Plate screwed twice to door frame with counter sunk chrome plated semi dome type screws on double sided tape backing top, bottom and ends:</u>	No	3		
28	Disabled persons pictogram.	No	2		
29	Male pictogram.	No	1		
30	Female pictogram. <u>3mm x 150mm Engraved aluminium pictogram, engraving to be filled in, coloured red. All facing edges to be bevelled and polished. Plate screwed twice to door frame with counter sunk chrome plated semi dome type screws on double sided tape backing top, bottom and ends:</u>	No	1		
31	Fire extinguisher pictogram. <u>3mm Thick aluminium plate 60mm high with engraved bold in "ARIAL TYPE" lettering of 30mm height, engraving to be filled in, coloured black. All facing edges to be bevelled and polished. Plate screwed twice to door frame with counter sunk chrome plated semi dome type screws on double sided tape backing top, bottom and ends:</u>	No	4		
32	Aluminium plate with letters "SOUP KITCHEN"	No	1		
33	Ditto but with "GRADE R 01"	No	1		
34	Ditto but with "GRADE R 02"	No	1		
35	Ditto but with "GRADE R 03"	No	1		
36	Ditto but with "SICK BAY 1"	No	1		
37	Ditto but with "SICK BAY 2"	No	1		
38	Ditto but with "SICK BAY 3"	No	1		
39	Ditto but with "STORE 1"	No	1		
40	Ditto but with "STORE 2"	No	1		
41	Ditto but with "STORE 3"	No	1		
Carried to Collection				R	
Section No. 3					
Bill No. 8					
Ironmongery					

		Unit	Quantity	Rate	Amount
42	<p><u>3mm Thick aluminium plate 100mm high with engraved bold in "SANS SERIF" lettering of 80mm height, engraving to be filled in, coloured black. All facing edges to be bevelled and polished. Plate plugged and fixed to wall at all four corners with counter sunk chrome plated semi dome type screws on double sided tape backing top, bottom and ends:</u></p> <p>Aluminium plate with letters "GRADE R ABLUTIONS"</p> <p><u>3mm Thick aluminium plate 100mm high with engraved bold in "SANS SERIF" lettering of 80mm height, engraving to be filled in, coloured black. All facing edges to be bevelled and polished. Plate plugged and fixed to wall at all four corners with counter sunk chrome plated semi dome type screws on double sided tape backing top, bottom and ends:</u></p> <p><u>Aluminium plate with letters "GRADE - R"</u></p> <p><u>Signage</u></p>	No	1		
43	<p>Allow PC amount of R5000.00 for signage.</p> <p><u>The following Equipment supplied complete including necessary warranties, operator's manuals, etc. handed over to the Principal Agent:</u></p>	Item			5 000 00
44	700L Fridge with single door.	No	1		
45	28L Microwave oven.	No	1		
46	30 Litre Stainless steel pot size 400 x 250mm.	No	1		
47	50 Litre Stainless steel pot size 400 x 400mm.	No	1		
48	27cm Durable plates.	No	120		
49	Stainless steel spoons.	No	120		
50	Solid stainless steel serving spoon 330mm.	No	3		
Carried to Collection				R	
Section No. 3					
Bill No. 8					
Ironmongery					



BILL NO. 8
IRONMONGERY
COLLECTION

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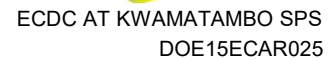
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Carried To Section Summary

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Section No. 3
Bill No. 8
Ironmongery

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>SUPERSTRUCTURE</u></p> <p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>(CPAP WORK GROUP NO. 136 UNLESS OTHERWISE STATED)</u></p> <p><u>TRADE PREAMBLES</u></p> <p><u>Trade Preambles:</u></p> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <p><u>Descriptions:</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers.</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p> <p>Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described.</p> <p>Doors and windows shall comply with AAAMSA design criteria.</p> <p>Glazing shall comply with SAGGA regulations. Glass shall be of the type of glass as shown on the window and door schedules and drawings appended to these Bills of Quantities and as described in the Bills of Quantities. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings.</p> <p>Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed.</p> <p>For purpose made windows and doors, refer to drawings annexed to these Bills of Quantities.</p> <p>The following certificates shall be provided prior to commencement of site work:</p> <p>1. A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product.</p>				
<p>Carried to Collection</p>				
<p>Section No. 3</p> <p>Bill No. 9</p> <p>Metalwork</p>			R	

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		Unit	Quantity	Rate	Amount
<u>WELDED GALVANIZED SCREENS, GATES, ETC</u>					
<u>Steel security gates, screens, etc fixed complete including ironmongery:</u>					
3	Purposed made single size 900 x 1800mm high formed of 60 x 60 x 4mm steel angle section outer frame and 40 x 40 x 2.8mm horizontally cross bar angle section member, the whole frame filled in with 50 x 50 x 2.5mm galvanized weld mesh all welded at junctions and intersections including 9mm diameter x 30mm long mild steel hinge pins, 2 No. 100 x 40 x 5mm steel plates welded on as locking mechanism, sliding bolt, etc., installed complete as per "Door and Window Schedule D08 on Architect's Drawing No. 1344-AR-808" attached to these Bills of Quantities.	No	1		
4	Ditto, but double gate overall size 1500 x 1750mm high in two equal leaves as per "Door and Window Schedule W07 on Architect's Drawing E1344-AR-815" attached to these Bills of Quantities.	No	1		
5	Purpose made fixed ablution screen size 2275 x 1190mm high overall formed of 40 x 40 x 4mm steel angle section outer frame, the whole frame filled in with 50 x 50 x 2.5mm galvanized weld mesh, all welded at junctions and intersections including No. 6 hoop iron straps welded on for building into brickwork, installed complete as per "Door and Window Schedule W07 on Architect's Drawing No. E1344-AR-815" attached to these Bills of Quantities.	No	4		
6	Ditto, but size 2780 x 1190mm high overall.	No	2		
7	Pupose made fixed gas gage screen size 505 x 1750mm high overall formed of 60 x 60 x 4mm steel angle section outer frame, the whole frame filled in with 50 x 50 x 2.5mm galvanized weld mesh, all welded at junctions and intersections including No. 6 hoop iron straps welded on for building into brickwork, installed complete as per "Gase Gage Detail Architect's Drawing No. E1344-AR-502" attached to these Bills of Quantities.	No	2		
8	60 x 60 x 2.8mm Steel corner post 1800mm long with 100 x 100 x 5mm thick base plate four times holed and welded on to bottom end and 3mm flat capping piece welded on at top including setting up in position and fixing with and including 4 No. 12mm diameter chemical anchors 250mm long cast into concrete plinth (concrete plinth elsewhere measured).	No	2		
9	Size 813mm x 2082mm high, as per door schedule. (GS02)	No	4		
Carried to Collection				R	
Section No. 3					
Bill No. 9					
Metalwork					

		Unit	Quantity	Rate	Amount
10	100mm L-shaped 52 x 32mm section cleat holed for bolt and welded on.	No	36		
11	12mm Diameter expansion bolt 100mm long with washer including drilling concrete for 12mm diameter x 90mm deep holes, using ABE Epidemix Epoxy for fixing in position.	No	18		
12	12mm Diameter x 100mm long Chemical anchor including core drilling for 12mm diameter x 90mm deep holes.	No	18		
13	"Union 335021MK" 50mm padlock with stainless steel schackle.	No	2		
<u>PRE-GALVANIZED PRESSED STEEL DOOR FRAMES</u>					
<u>1.6mm Double rebated frames suitable for half brick walls:</u>					
14	Frame for door and fanlight size 813 x 2380mm high overall (D03).	No	6		
15	Frame for opening size 850 x 1190mm high including trimming flush with low surrounding wall and sealing top of frame with 1.6mm galvanized steel plate (See Doors and Window Schedule D05).	No	9		
<u>1.6mm Double rebated frames suitable for one brick walls:</u>					
16	Frame for door and fanlight size 813 x 2380mm high overall (D04).	No	10		
<u>1.6mm Double rebated frames suitable for one brick walls:</u>					
17	Frame for door and fanlight size 813 x 2380mm high overall (D02).	No	1		
<u>ALUMINIUM WINOWS, DOORS, ETC</u>					
Note: Tenderers are reffered to the Achitect's door and window schedule annexed to the rear of these bills of quantities for pricing purposes.					
<u>Wispeco or similar approved "White" Epoxy powder coated aluminium windows glazed with and including 6.38mm PFG clearvnieuw laminated safety glass and specified burglar bars including sealing around window frames with an approved sealant and plugging to brickwork or concrete:</u>					
18	Purpose made window with glazed fixed top and bottom fanlights size 600 x 1445mm high overall (W05).	No	3		
Carried to Collection				R	
Section No. 3					
Bill No. 9					
Metalwork					

		Unit	Quantity	Rate	Amount
19	Purpose made top hung window with glazed fixed top and bottom fanlights size 900 x 1445mm overall (W03).	No	5		
20	Purpose made double top hung window and glazed fixed fanlights size 1200 x 1445mm overall (W01).	No	15		
21	Purpose made double bottom hung window and glazed fixed fanlights size 1200 x 1445mm overall (W02).	No	10		
	<u>"White" Epoxy powder coated aluminium doors glazed with and including 6.38mm PFG clearview laminated safety glass including sealing around door frames with an approved sealant and plugging to brickwork or concrete:</u>				
22	Double door and frame including glazed fanlight size 1800 x 2380mm high overall (D01).	No	3		
	<u>"WINVENT" Winlouvre:</u>				
23	Fixed Z-louvre screen and glass fixed above size 600 x 935mm high overall (W06).	No	29		
	<u>GALVANIZED STEEL ROLLER SHUTTER, ETC.</u>				
	<u>Powder coated galvanized heavy duty roller shutters, canopy cover(s), etc., fixed to brickwork or concrete:</u>				
24	Between walls push-up roller shutter for 1445 x 1445mm high opening, with 75 x 0.8mm thick slats, 75mm wide side guides, ratchet for spring winder, neoprene weather strip to bottom edge and two barrel bolts and with pressed metal canopy cover as per "DOOR and Window Schedule W04 Drawing No. E1344-AR-812" attached to these Bills of Quantities.	No	1		
25	"Union 335021MK" 50mm padlock with stainless steel shackle.	No	2		
Carried to Collection				R	
Section No. 3					
Bill No. 9					
Metalwork					



BILL NO. 9
METALWORK
COLLECTION

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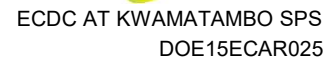
Carried To Section Summary

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Section No. 3
Bill No. 9
Metalwork



		Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u>					
<u>SUPERSTRUCTURE</u>					
<u>BILL NO. 10</u>					
<u>PLASTERING</u>					
<u>(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)</u>					
<u>TRADE PREAMBLES</u>					
<u>Trade Preambles:</u>					
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill					
<u>SUPPLEMENTARY PREAMBLES</u>					
<u>Proprietary items or materials</u>					
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.					
<u>SCREEDS</u>					
1	40mm Thick screeds steel trowelled on concrete floors.	m ²	244		
2	76mm Wide reedings to door thresholds.	m	6		
<u>GRANOLITHIC PAVING</u>					
<u>Untinted (2:1:1) granolithic paving:</u>					
3	35mm Thick on concrete surfaces.	m ²	101		
<u>INTERNAL PLASTER</u>					
<u>15mm Thick cement plaster (5:1) on brickwork or concrete finished with a wood float:</u>					
4	On walls.	m ²	643		
5	On narrow widths not exceeding 300mm wide.	m ²	41		
6	On top and edge of cills not exceeding 300mm wide.	m	68		
<u>EXTERNAL PLASTER</u>					
<u>15mm Thick cement plaster (5:1) on brickwork or concrete finished with a wood float:</u>					
7	On walls including flush columns and beams.	m ²	325		
8	On narrow widths not exceeding 300mm wide.	m ²	41		
Carried To Section Summary				R	
Section No. 3					
Bill No. 10					
Plastering					

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	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>SUPERSTRUCTURE</u></p> <p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)</u></p> <p><u>TRADE PREAMBLES</u></p> <p><u>Trade Preambles</u></p> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>'Polycop' polypropylene pipes:</u></p> <p>Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with 'Fast-fuse' heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated.</p> <p>Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's</p> <p>All pipe diameters are nominal external.</p> <p><u>'Polylink' polypropylene pipes:</u></p> <p>Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron 'Supraclamp' running joints.</p> <p>Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured.</p> <p>Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double X joint couplers.</p> <p>Branch tees shall include flanged and bolted joints to 'Polycop' branch pipes in addition and for brass compression male iron to copper straight couplers.</p> <p>Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reduces shall be of sufficient overall length to accommodate same.</p> <p>All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions.</p> <p>All pipe diameters are nominal external.</p>				
Carried to Collection				
Section No. 3			R	
Bill No. 12				
Plumbing And Drainage				

	Unit	Quantity	Rate	Amount
<p><u>Concrete pipes:</u></p> <p>Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings.</p> <p><u>Vitrified Clay Pipes etc:</u></p> <p>Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid.</p> <p>uPVC pipes and fittings.</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings.</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed.</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated.</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings.</p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.</p> <p><u>Copper pipes:</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Lead pipes and traps:</u></p> <p>All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel.</p>				
Carried to Collection			R	
Section No. 3				
Bill No. 12				
Plumbing And Drainage				

	Unit	Quantity	Rate	Amount
<p><u>Reducing fittings:</u></p> <p>Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.</p> <p><u>Wire gratings:</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings.</p> <p><u>Septic tanks:</u></p> <p>Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions.</p> <p><u>Exposed concrete surfaces:</u></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster.</p> <p><u>Excavations:</u></p> <p>No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.</p> <p>'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.</p> <p><u>Laying, backfilling, bedding, etc of pipes:</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SAB.</p> <p><u>Flush pans:</u></p> <p>Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.</p>				
<p>Carried to Collection</p>			R	
<p>Section No. 3</p> <p>Bill No. 12</p> <p>Plumbing And Drainage</p>				

	Unit	Quantity	Rate	Amount
<u>Stainless steel basins, sinks, wash troughs, urinals, etc:</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.				
<u>Waste unions:</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.				
<u>Steel sectional water tanks:</u> Tanks shall comply with SABS CKS 114.				
<u>'Densyl' petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd:</u> Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described. Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, 'Layflat' sheeting, securing of same, etc. Prices for wrapping of pipes shall include for all work as described to couplings in the length.				
<u>RAINWATER DISPOSAL</u> <u>0.8mm "Watertite" OGEE Profile aluminium seamless gutter pre-painted externally and internally with ColourTech G4 "Charcoal" high performance non-flourinated polymer modified long chain hydro-carbon paint:</u>				
1	m	123		
2	No	16		
3	No	2		
4	No	16		
5	m	48		
6	No	16		
7	No	16		
<u>SOIL DRAINAGE</u> <u>Vitrified clay gulleys:</u>				
8	No	3		
Carried to Collection			R	
Section No. 3 Bill No. 12 Plumbing And Drainage				

		Unit	Quantity	Rate	Amount
<u>SANITARY FITTINGS</u>					
<u>Stainless steel:</u>					
9	0.8mm Grade 304 18/10 stainless steel wash hand basin size 535 x 420 x 150mm deep with a 1 piece presses bowl, 32mm apron and 40mm brass waste outlet fixed to wall with and including galvanized MS brackets bolted to wall.	No	5		
10	"Franke" 0.9mm Grade 304 18/10 stainless steel LDL Luxtub (Code: 318600) size 600 x 500 x 257mm deep with pressed bowl size 525 x 425 x 257mm deep complete with 40mm waste outlet and 'Falcon' galvanized MS brackets bolted to wall.	No	18		
11	"Franke" 1.2mm Grade 304 18/10 stainless steel double centre bowl drop-on sink (Code: 312880) size 1500 x 535mm with two 460 x 355 x 150mm deep bowls, fitted onto SS table (elsewhere measured) complete with flexible rubber trap and 38mm waste outlet, antitheft plug and stainless steel outlet.	No	1		
12	Extra over last for 1.2mm Grade 304 18/10 stainless steel table size 1500 x 600 x 900mm high with stainless steel legs and integral open lower shelf.	No	1		
<u>'Vaal Sanitariware':</u>					
13	White vitreous china wall mounted flatback waterless urinal (Code: 705327), size 415 x 275 x 315mm wide including Ecosmellstop waste fixed on and including two hanger brackets (Code: 8127Z0).	No	3		
<u>Plastic toilet seats:</u>					
14	"Atlas Plastics (Code 235 AP)" or equally approved VIP pit pedestal with flap fixed to floors with an approved epoxy or bolted to floors with and including four 6mm diameter x 50mm long expansion bolts.	No	19		
<u>Testing:</u>					
15	Allow for testing sanitary plumbing system.	Item			
<u>WATER SUPPLIES</u>					
<u>Internal water supplies:</u>					
Holes, chases, etc., are deemed to be included in the descriptions of the pipework.					
<u>Class 1 copper pipe with capillary fittings:</u>					
16	15mm Pipes.	m	50		
17	15mm Pipes including chase in wall.	m	30		
Carried to Collection				R	
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		Unit	Quantity	Rate	Amount
18	22mm Pipes.	m	30		
19	22mm Pipes including chase in wall.	m	20		
	<u>Class 3 heavy copper pipes:</u>				
20	35mm Pipe and fixing to walls, floors, in roofs, soffit of concrete slab, in concrete, etc.	m	30		
	<u>Class 3 heavy copper pipes:</u>				
21	35mm bend	No	15		
	<u>HDPE Class 6 water pipes and laid in pipe trenches as SABS 1200 LB (flexible pipe bedding) of 1979 and excavation and backfilling as SABS 1200 DB of 1982</u>				
22	32mm Pipes laid in and including trenches 1m deep.	m	50		
	<u>Extra over HDPE pipes for "Plascon" or other approved fittings:</u>				
23	32mm Bend.	No	15		
24	32mm Tee.	No	10		
	<u>Extra over Class 1 copper pipes capillary soldered fittings:</u>				
25	15mm Fittings.	No	15		
26	22mm Fittings.	No	15		
	<u>Extra over Class 1 copper pipes brass compression fittings:</u>				
27	15mm Fittings	No	10		
28	22mm Fittings	No	10		
	<u>FIRE APPLIANCES, ETC</u>				
	<u>"Chubb"</u>				
29	9kg CO2 fire extinguisher on and including wrought meranti backboard size 1000 x 225 x 25mm thick, plugged finished with two coats polyurethane varnish and including patent fire extinguisher hook including staff training on how to operate the item.	No	4		
	<u>TAPS, VALVES, ETC.</u>				
	<u>'Cobra-Watertech':</u>				
30	15mm "Star 206-15" CP heavy duty brass bibtap.	No	18		
31	15mm "Star 111-15" CP raised nose pillar tap.	No	3		
32	15mm "Cobra 504-21" CP elbow action pillar cold water.	No	2		
	Carried to Collection			R	
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	Plumbing And Drainage				

		Unit	Quantity	Rate	Amount
33	15mm "Star 266-041-10" CP wall type sink mixer with overam.	No	1		
	<u>WASTE UNIONS, TRAPS, ETC.</u>				
	<u>'Marley':</u>				
34	40 x 40mm 'Flexitrap' butyl rubber deep seal 'P' or 'S' trap jointed to waste outlet fitting and to PVC pipe including coupling clamps, etc.	No	24		
	<u>'Cobra Watertech':</u>				
35	40mm Chromium plated '316CP' sink waste union complete with plug and chain.	No	24		
	<u>SANITARY PLUMBING</u>				
	<u>Polyvinyl chloride (unplasticised) (uPVC) piping</u>				
	<u>uPVC pipes:</u>				
36	40mm Pipes	m	15		
37	40mm pipes including chase in wall	m	25		
38	40mm pipe laid in fill under solid floors.	m	30		
39	150mm Pipe fixed to walls with and including holderbats, etc.	m	70		
	<u>Extra over uPVC pipes for fittings:</u>				
40	40mm Bend.	No	15		
41	40mm Junction.	No	10		
42	40mm Access bend.	No	10		
	<u>Covers, etc:</u>				
43	Starndard cast iron type two piece double seal manhole cover and frame Type 8A to opening size 450 x 600mm, the frame bedded in 3:1 cement mortar and covered in tallow.	No	20		
	<u>Ventilators:</u>				
44	240mm Polycarbonate Turbo Ventura ventilator with 150mm throat fixed to top of 150mm diameter vent pipe (vent pipe elsewhere measured).	No	20		
	<u>Testing:</u>				
45	Testing waste pipe system.	Item			
	Carried to Collection				R
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		Unit	Quantity	Rate	Amount
<u>HOLES, ETC</u>					
<u>Builders work:</u>					
<u>Leave or form hole for pipe not exceeding 150mm diameter through:</u>					
46	200mm Reinforced concrete slab.	No	20		
<u>BUILDERS WORK FOR ELECTRICAL AND INTERCOM INSTALLATION</u>					
<u>UPVC Sleeve pipes including draw wires:</u>					
47	50mm Pipe and laid in and including trench not exceeding 1.00m deep.	m	10		
48	110mm Ditto.	m	15		
49	Set of two 110mm pipes, ditto.	m	5		
50	Set of two 50mm pipes, ditto.	m	5		
51	50mm Pipe chased into walls including making good.	m	5		
52	Extra for 50mm slow bend.	No	10		
53	110mm Ditto	No	10		
<u>Manholes</u>					
54	Manhole size 450 x 450mm not exceeding 1m deep internally to invert level formed of extra hard burnt one brick sides in 1:3 cement mortar on and including 100mm thick mass concrete (20MPa) bottom, rendered internally in 1:3 cement plaster with 150mm thick mass concrete (30MPa) kerb on top rebated for and fitted with and including cast iron single seal cover and frame type 14B in accordance with SABS 558, bedded in 1:3 cement mortar and dealed in tallow including excavation, formwork, all holes through sides for pipes, etc.	No	2		
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PLUMBING AND DRAINAGE
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	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u> <u>SUPERSTRUCTURE</u> <u>BILL NO. 13</u> <u>GLAZING</u> <u>(CPAP WORK GROUP NO. 150 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>TradePreambles</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <u>GLAZING TO STEEL WITH PUTTY</u> <u>6.38mm Normal strenght clear laminated safety glass:</u>				
1	m²	7		
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u> <u>6mm 'GG' quality polished silvered float glass</u> <u>copper backed mirrors with polished edges holed</u> <u>for and fixed with round rose chromium plated</u> <u>mirrror screws with rubber buffers to plugs in</u> <u>brickwork or concrete:</u>				
2	No	17		
Carried To Section Summary			R	
Section No. 3 Bill No. 13 Glazing				



	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u> <u>SUPERSTRUCTURE</u> <u>BILL NO. 14</u> <u>PAINTWORK</u> <u>(CPAP WORK GROUP NO. 152 UNLESS OTHERWISE STATED)</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <u>SABS Specifications</u> <p>Matt or eggshell decorative paint for interior works : SABS 515</p> <p>High gloss enamel paint : SABS 630 Grade I</p> <p>Oil gloss enamel paint : SABS 631</p> <p>Primers for wood for external work : SABS 678 Type I</p> <p>Primers for wood for internal work : SABS 678 Type III</p> <p>Zink chromate primers for steel : SABS 679 Type I</p> <p>Undercoats for paints (except emulsion paint) : SABS 681 Type I</p> <p>Aluminium paint : SABS 682 Grade II</p> <p>Roof paints : SABS 683 Type B (Oil) SABS 940 (Emulsion)</p> <p>Structural steel paint : SABS 684 Type B</p> <p>Wash primer (metal etch) : SABS 723</p> <p>Varnish for interior use : SABS 887 Type I</p> <p>Emulsion paints : SABS 1586</p>				
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Section No. 3 Bill No. 14 Paintwork				

	Unit	Quantity	Rate	Amount
<u>ON FLOATED PLASTER SURFACES</u>				
<u>Prepare surfaces and remove all loose material, fill defects with Polycell Mendal 90, apply one coat PLASCON plaster Primer, one coat PLASCON 'Universal Undercoat' and two coats PLASCON Teflon based Wall & All paint on:</u>				
1 On internal walls.	m ²	654		
2 On window cills not exceeding 300mm girth.	m ²	68		
<u>Prepare and apply one coat Plascon 'Merit plaster primer (UC560' thinned with 20% mineral turpentine (AZH1) and two coats Plascon 'Double Velvet (VEL)' paint:</u>				
3 On external walls.	m ²	366		
<u>ON GRANOLITHIC SCREED</u>				
<u>Prepare surface and apply one coat "ABE prime SL" two coats "ABECOTE400" high buikd epoxy enamel or similar approved (colour to architect's approval) all in accordance with the manufacture's instruction:</u>				
4 On floors.	m ²	101		
<u>ON BRICKWORK</u>				
<u>Prepare surfaces and remove all loose material, apply two coats approved silicone based brick dressing:</u>				
5 On exposed facebrick walls.	m ²	520		
<u>ON METAL</u>				
<u>Prepare and apply one coat Bituminous paint:</u>				
6 On backs of pressed steel door linings.	m ²	27		
<u>Prepare and apply galvanized iron cleaner (GIC1), one coat galvanized iron primer (GIP1) and two finishing coats Plascon Velvago Satin paint:</u>				
7 On steel door frames.	m ²	27		
<u>ON WOOD</u>				
<u>Knot, prime, stop and apply one coat Plascon pink wood primer and two coats "Plascon" water based Velvago paint:</u>				
8 On general surfaces of timber at eaves. (Provisional)	m ²	172		
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SECTION NO.4

EXTERNAL WORKS (PROVISIONAL)

	Unit	Quantity	Rate	Amount
<u>SECTION NO.4</u>				
<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>BILL NO. 1</u>				
<u>DEMOLITION, SITE CLEARANCE AND BULK EARTHWORKS</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill				
Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item				
<u>SITE CLEARANCE, ETC</u>				
<u>Site clearance:</u>				
1 Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m ²	2 680		
2 Stripping average 200mm thick layer of top soil and stockpiling on site.	m ³	536		
3 Dig, load and remove filling selected from spoil heaps on site, spread and level within 100m radius over site.	m ³	107		
<u>BULK EXCAVATION</u>				
<u>Open face excavation in earth over sloping site:</u>				
4 Open face excavation and selected filling (Cut to Fill) with material from the excavations compacted in layers not exceeding 250mm thick to a density of at least 98% Mod. AASHTO maximum density over site. (Note only cut volume measured. Rate to include for cutting and filling including compacting etc.)	m ³	150		
5 Cut to spoil for later re-use as filling (loading and depositing as filling elsewhere measured).	m ³	1 274		
6 Dig, load and remove filling selected from spoil heaps on site and deposit as filling in platforms including spreading and compacting to cambers and falls in layers not exceeding 150mm thick to a minimum of 95% Mod. AASHTO dry density.	m ³	100		
7 Dig, load and remove filling selected from spoil heaps on site, spread and level within 100m radius over site.	m ³	50		
Carried to Collection			R	
Section No. 4				
Bill No. 1				
Demolition, Site Clearance And Bulk Earthworks				

		Unit	Quantity	Rate	Amount
	<u>Extra over bulk excavation in earth for excavation in:</u>				
8	Soft rock.	m ³	127		
9	Hard rock.	m ³	64		
	<u>CARTING AWAY</u>				
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
10	Off site to a dumping site to be found by the Contractor.	m ³	1 553		
	<u>Risk of collapse of excavations:</u>				
11	Sides of bulk excavations not exceeding 1.5m deep.	m ²	101		
12	Sides of bulk excavations exceeding 1.5m deep.	m ²	30		
	<u>EARTH FILLING, ETC</u>				
	<u>Approved earth filling (G7) supplied by the Contractor, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density:</u>				
13	Over site in platforms.	m ³	319		
	<u>Compaction of surfaces:</u>				
14	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m ²	1 062		
	<u>Prescribed density tests on filling:</u>				
15	Modified AASHTO Density test.	No	1		
16	"Field Density" test including "Optimum Moisture Content" (four readings per test) on layerworks.	No	1		
17	Allow for compaction tests to be carried out by a Consulting Engineer's laboratory and deliver the results to the Principal Agent within 24 hours of the tests being completed.	No	25		
	Carried to Collection				
	Section No. 4				
	Bill No. 1				
	Demolition, Site Clearance And Bulk Earthworks				

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		Unit	Quantity	Rate	Amount
<u>GRASSING AND TOPSOILING</u>					
NOTE: Planting of grass may only commence once the the garden soil filling has been approved by the Representative/Agent, after which no traffic will be allowed over these areas. Fresh grass roots, of the variety described, free of disease, shall be planted at not exceeding 150mm centre, in rows which shall not exceed 150mm apart, without leaving furrows and with the minimum disturbance of surrounding soil. Immediately when an area is completed it must be well watered and thereafter, watered, and cut to ensure a quick and even development. Initial top dressing with approved, shifted garden soil after planting of grass must be supplemented as necessary to achieve a level finished surface. Descriptions for turfing are deemed to include for all surface preparation, maintenance, top-dressing, etc.					
<u>Maintenance Period:</u>					
Maintenance of grassed and ground covered areas for a period of 3 months including regularly weeding and irrigating as necessary.					
<u>Garden soil filling supplied by the Contractor:</u>					
18	Over site.	m ³	146		
19	To landscape mounds, beams, etc.	m ³	16		
20	Fertilize to 100mm depth of garden soil with an 8.3%"P-super phosphate" mixture at a rate of 0.075kg/m ² and a 3:2:1 (30) fertilizer at a rate of 0.075kg/m ² , before commencing of planting.	m ²	1 719		
21	Plant kikuyu grass over site as described.	m ²	874		
22	Ditto on sloping embankments, etc.	m ²	263		
23	Kikuyu grass in lawn areas supplied in sizes of not less than 300 x 300mm sods levelled and well compacted.	m ²	582		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
Demolition, Site Clearance And Bulk Earthworks					



BILL NO. 1

DEMOLITION, SITE CLEARANCE AND BULK EARTHWORKS
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Section No. 4

Bill No. 1

Demolition, Site Clearance And Bulk Earthworks

	Unit	Quantity	Rate	Amount
<u>SECTION NO.4</u>				
<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>BILL NO. 2</u>				
<u>RETAINING WALLS, WALKWAYS, STEPS, ETC</u>				
<u>TRADE PREAMBLES</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent each item.				
<u>EARTHWORKS</u>				
<u>EXCAVATION, FILLING, ETC. OTHER THAN BULK</u>				
<u>Excavation in earth not exceeding 2m deep:</u>				
1	Excavate to reduce levels under pavings, etc. and cart away.	m ³	39	
2	Trenches.	m ³	208	
<u>Extra over excavations other than bulk in earth for excavation in:</u>				
3	Soft rock.	m ³	49	
4	Hard rock.	m ³	25	
<u>Risk of collapse of excavations other than bulk:</u>				
5	Sides of trench and hole excavations not exceeding 1,5m deep.	m ²	134	
6	Sides of trench and hole excavations exceeding 1,5m deep.	m ²	134	
<u>CARTING AWAY</u>				
<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m ³	100	
8	Surplus material from excavations and/or stock piles spread and levelled within 100m radius of construction site (Measured nett with no allowance made for bulking)	m ³	53	
Carried to Collection			R	
Section No. 4				
Bill No. 2				
Retaining Walls, Walkways, Steps, Etc				

		Unit	Quantity	Rate	Amount
	<u>EARTH FILLING, ETC</u>				
	<u>Earth filling obtain from the excavations and/or prescribed stock piles on site, spread, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density in:</u>				
9	Backfilling to trenches, holes, etc.	m ³	94		
	<u>Approved earth filling (G7) supplied by the Contractor, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density:</u>				
10	Under floors, ramps, steps, pavings, etc.	m ³	39		
11	In filling behind retaining walls.	m ³	140		
	<u>Selected approved grade (G5) quality material supplied by the contractor, spread, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density in:</u>				
12	Under pavings, etc.	m ³	39		
	<u>Compaction of surfaces:</u>				
13	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m ²	392		
	<u>Prescribed density tests on filling:</u>				
14	Allow for compaction tests to be carried out by a Consulting Engineer's laboratory and deliver the results to the Principal Aagent within 24 hours of the tests being completed.	No	20		
	<u>KEEPING EXCAVATIONS FREE OF WATER</u>				
	<u>Keeping excavations free of water:</u>				
15	Keeping excavations free of all water other than subterranean water.	Item			
	<u>SOIL POISONING</u>				
	<u>Soil insecticide in accordance with SANS 5859:</u>				
16	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming.	m ²	259		
17	To bottoms and sides of trenches, etc.	m ²	401		
	Carried to Collection			R	
	Section No. 4				
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	Retaining Walls, Walkways, Steps, Etc				

		Unit	Quantity	Rate	Amount
	<u>SUB-SOIL DRAINAGE TO RETAINING WALLS.</u>				
	<u>Earth filling supplied by the contractor and lightly compacted:</u>				
18	Selected 19mm graded stone perforated drainage pipe (elsewhere measured)	m ³	22		
	<u>Filter fabric:</u>				
19	Kaytech Bidim A2 filter jacket laid around drainage core (elsewhere measured).	m ²	267		
	<u>Drainage:</u>				
	<u>HDPE Drainage Core:</u>				
20	Kaytech HP500 Flownet drainage core laid vertically to side of retaining wall in accordance with the manufacturer's instructions.	m ²	134		
	<u>HDPE Geopipe drainage piping:</u>				
21	M100 HDPE perforated piping laid on top of concrete footing (elsewhere measured)	m	89		
22	Extra for 110mm bend.	No	6		
23	Extra for 110mm junction.	No	2		
	<u>Weep holes:</u>				
24	Leave or form hole for and including 75mm diameter uPVC pipe in 250mm wide concrete retaining wall at 2000mm centres.	No	45		
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Cost of tests:</u>				
	The cost of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are elsewhere measured).				
	<u>UNREINFORCED CONCRETE</u>				
	<u>15MPa/19mm Concrete:</u>				
25	Surface blinding under footings.	m ³	7		
	<u>25MPa/19mm Concrete:</u>				
26	Bench seating.	m ³	3		
	Carried to Collection			R	
	Section No. 4				
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	Retaining Walls, Walkways, Steps, Etc				

		Unit	Quantity	Rate	Amount
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25MPa/19mm Concrete:</u>				
27	Walkways cast in panels.	m ³	39		
28	Ramps cast in panels.	m ³	5		
29	Steps.	m ³	5		
	<u>30MPa/19mm Mass Concrete:</u>				
30	Retaining wall base.	m ³	33		
31	Retaining walls.	m ³	33		
	<u>Sundries:</u>				
32	Extra over labour and material for thickening out concrete walkways for an additional depth of 100mm and average width of 200mm under edge of walkway slabs including all necessary excavations, compactions etc.	m	146		
	<u>TEST BLOCKS</u>				
33	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes (Provisional).	Sets	10		
	<u>FINISHING TOP SURFACE OF CONCRETE</u>				
	<u>Sundries:</u>				
34	Finishing top surfaces of concrete smooth with a wood float.	m ²	261		
	<u>River Pebble Paving:</u>				
35	River pebble paving comprising of approved 20mm diameter river pebbles laid on flat and on edge and set into 3:1 cement screed, finish maximum 35mm thick and bonded to concrete surface bed (elsewhere measured) with and approved Epidemix thinfilm adhesive.	m ²	4		
36	Ditto, but circular on plan not exceeding 5m radius.	m ²	1		
	<u>FORMWORK</u>				
	<u>Rough formwork to sides, edges, risers, etc.:</u>				
37	Formwork to edges, risers, etc. not exceeding 300mm high.	m	178		
38	Formwork to sides of steps not exceeding 3.5m high.	m ²	18		
	Carried to Collection			R	
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	Retaining Walls, Walkways, Steps, Etc				

		Unit	Quantity	Rate	Amount
	<u>Smooth formwork to sides and soffits including propping up not exceeding 3.5m high from bearing level:</u>				
39	Edges, risers, ends and reveals not exceeding 300mm high.	m	187		
40	Ditto, but circular on plan.	m	14		
41	Sides of concrete retaining walls.	m ²	267		
42	Square and rectangular columns.	m ²	5		
43	Slopping soffits of stairs.	m ²	10		
	<u>Boxing in smooth formwork to form:</u>				
44	20 x 20mm Chamfer along top or bottom edge.	m	14		
	<u>Saw-cut joints:</u>				
45	6 x 50mm Saw-cut joints in top of concrete.	m	85		
	<u>10mm Polystyrene expansion joint board between vertical concrete or brick and concrete surfaces:</u>				
46	10mm Joints not exceeding 300mm high.	m	45		
	<u>Joint sealants:</u>				
47	Rake out wide joint filler on top surfaces of concrete for a depth of 15mm and clean, prime and chalk with two component epoxy/polysulphide as Durakol or other equal approved sealant.	m	45		
48	Clean out 6 x 50mm deep saw cut on top surfaces of concrete, cut to form 10 x 20mm deep recess, insert 8mm closed cell polyethylene backing cord to a depth of 5mm, lay masking tape either side of sawcut, prime and chalk with two component epoxy/sulphide as Durakol or other equal approved sealant.	m	85		
	<u>REINFORCEMENT</u>				
	<u>Mild steel rod reinforcement to structural concrete work:</u>				
49	10mm Diameter bars.	Tonnes	2.48		
	<u>High tensile steel rod reinforcement to structural concrete work:</u>				
50	10mm Diameter bars.	Tonnes	2.48		
51	12mm Diameter bars.	Tonnes	2.48		
52	16mm Diameter bars.	Tonnes	2.48		
	Carried to Collection			R	
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		Unit	Quantity	Rate	Amount
	<u>Fabric reinforcement:</u>				
53	Ref 193 fabric reinforcement in concrete surface beds, slabs, etc.	m ²	259		
54	Ref 245 fabric reinforcement in concrete bench seating.	m ²	2		
	<u>PRECAST CONCRETE</u>				
	<u>Precast or In-situ concrete (20MPa of 19mm stone) copings and capping blocks finished smooth including all necessary moulds, reinforcement, formwork, etc. and bedding on brickwork including jointing and pointing tto all exposed surfaces:</u>				
55	450 x 450mm Pyramid capping, including 100mm diameter opening at apex and threading block over hollow section column.	No	20		
56	300mm Wide twice weathered coping on top of 220mm wall.	m	29		
57	Precast concrete seating size 450 x wide x 75mm thick with and including 20 x 20mm chamfered top front edge finish including bedding on brickwork, jointing and pointing and finished smooth on all exposed surfaces.	m	15		
58	Extra over for angle.	No	2		
	<u>MASONRY</u>				
	<u>BRICKWORK IN SUPERSTRUCTURE</u>				
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class II mortar:</u>				
59	One brick walls.	m ²	8		
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement:</u>				
60	150mm Wide reinforcement built in horizontally.	m	140		
	<u>FACE BRICKWORK</u>				
	<u>Face bricks (Allow a P.C. Amount of R7 500.00 per 1 000 supplied, delivered and loaded onto site) pointed with 6mm square recessed horizontal and vertical joints:</u>				
61	Extra over brickwork for face brickwork in foundations.	m ²	11		
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		Unit	Quantity	Rate	Amount
	FACE BRICKWORK COPINGS, SILLS, ETC <u>Face bricks (Allow a P.C. Amount of R7 500.00 per 1 000 supplied and delivered to site) copings, sills, etc. pointed with 6mm square recessed horizontal and vertical joints:</u>				
62	Coping on top of one brick wall. (Balustrade wall)	m	11		
	WATERPROOFING <u>One layer of 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape:</u>				
63	Under slabs, etc. including turning up against brick walls etc.	m ²	259		
	Begging and sealing the outer face of the inner of walls with 1:6 cement and sand mixture and seal with two coats "Brixal" bitumen emulsion waterproofing coating:				
64	To walls.	m ²	134		
	TANKING <u>One layer of "Bituthene 3000" or similar approved waterproofing membrane fixed in accordance with manufacture's instruction:</u>				
65	Vertically against outer face of concrete retaining wall.	m ²	134		
66	Ditto turned up where footing meets wall, etc. not exceeding 300mm high or wide.	m	89		
	METALWORK GALVANIZED MILD STEEL HANDRAILS, BALUSTRADES, ETC. <u>Welded handrails to ramps and walkways:</u>				
67	50mm External diameter 3mm thick continous raking weld fixed at 1500mm centres to and including 10mm diameter L-shaped solid rod once bent with and including 10 x 50mm diameter base plate welded on other end, twice holed for 8mm expansion bolts (elsewhere measured) and fixed to brick walls.	m	45		
68	Extra over last for flat closed end.	No	12		
69	8mm Diameter expansion bolt 75mm long.	No	62		
				R	
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BILL NO. 2

RETAINING WALLS, WALKWAYS, STEPS, ETC

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Retaining Walls, Walkways, Steps, Etc

	Unit	Quantity	Rate	Amount
<u>SECTION NO.4</u> <u>EXTERNAL WORKS (PROVISIONAL)</u> <u>BILL NO. 3</u> <u>STORMWATER DRAINAGE</u> <u>STORMWATER DRAINAGE</u> <u>TRADE PREAMBLES</u> <u>Trade Preambles:</u> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <p>Where item in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item.</p> <u>SUPPLEMENTARY PREAMBLES</u> <u>Concrete pipes:</u> <p>Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings.</p> <u>Exposed concrete surfaces:</u> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster.</p> <u>Excavations:</u> <p>No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.</p> <p>'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.</p> <u>Laying, backfilling, bedding, etc of pipes:</u> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.</p>				
Carried to Collection			R	
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Stormwater Drainage				

	Unit	Quantity	Rate	Amount
<p>Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB: Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding.</p> <p><u>Descriptions of pipes laid in trenches:</u></p> <p>Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor. Note minimum width of trench is 500mm on either side of pipe.</p> <p><u>Descriptions of catchpits, junction boxes, manholes, etc:</u></p> <p>Descriptions of catchpits, junction boxes, manholes, etc, shall be deemed to include for compaction, disposal of surplus excavated material to a dumping site located by the contractor, risk of collapse and keeping excavations free from water.</p> <p><u>EARTHWORKS</u></p> <p><u>Excavation in earth not exceeding 2m deep for:</u></p>				
1	m	15		
2	m	53		
3	No	53		
<p><u>STORMWATER DRAINAGE</u></p> <p><u>Sumps, catchpits, inspection chambers, etc.:</u></p>				
4	No	1		
Carried to Collection			R	
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Stormwater Drainage				

		Unit	Quantity	Rate	Amount
	<u>In-situ concrete (20MPa of 19mm stone) open stormwater channels with dished waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in suitable lengths and reinforced as necessary for handling if precast, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in (3:1) cement plaster:</u>				
5	Channel size 600 x 150mm thick overall with 600 x 60mm deep v-shaped waterway.	m	147		
6	Extra over channel for angle.	No	14		
7	Extra over channel for irregular angle.	No	4		
8	Extra over channel for T-intersection.	No	2		
9	Extra over channel for for ends.	No	1		
	<u>Precast concrete:</u>				
10	Precast concrete "Type 3" open surface water channel size overall 450 x 170mm high with 300 x 100mm deep half round channel laid to falls in lengths not exceeding 1000mm on a wall rammed basecourse bottom (basecourse elsewhere measured) jointed in 3:1 cement mortar including excavation, casing, ramming and depositing and levelling surplus spoil on site where directed.	m	64		
11	Extra over channel for angle.	No	5		
12	Extra over channel for ends.	No	3		
13	Extra for forming 100mm thick spreader 1500mm long and fanning out to 1200mm width at furthest end with seven concrete bricks cast as brick-on-end diffusers in three rows including floating off concrete to a smooth finish.	No	2		
	Carried to Collection				
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	Stormwater Drainage				

		Unit	Quantity	Rate	Amount
<u>GABION</u>					
<u>Gabion baskets to be made of Class A galvanized mild tensile wire in accordance with SANS 675 specification. The baskets and mattresses to be manufactured in strict accordance with SANS 1580 and site installation to be in accordance SANS 1200 specification. Rock to be in accordance with SANS 1200DK minimum 100mm up to 250mm maximum size using 80 x 100mm hexagon mesh.</u>					
<u>Earthworks:</u>					
14	Excavation in earth not exceeding 2m deep.	m ³	2		
15	Cavities backfilling with excavated material including compacting.	m ³	2		
16	Extra over all excavations for carting away surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor (measured nett with no allowance made for bulking)	m ³	2		
17	Compaction of ground surface under gabions, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density.	m ²	9		
<u>Filter fabric:</u>					
18	Kaytech geotextile Bidim U24 laid under and around reno mattress (elsewhere measured).	m ²	13		
<u>Gabions of galvanized wire boxes laced together and filled with selected broken stone:</u>					
19	1200 x 1800 x 200mm Thick reno mattress.	m ³	2		
<u>STONE PITCHING</u>					
20	Stone pitching embankments formed of 100mm nominal diameter stones from the area loosely packed and bedded in and including 75mm thick 20MPa concrete infill including levelling and compacting in-situ material.	m ²	10		
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Stormwater Drainage

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<p><u>SECTION NO.4</u></p> <p><u>EXTERNAL WORKS (PROVISIONAL)</u></p> <p><u>BILL NO. 4</u></p> <p><u>SOIL DRAINAGE</u></p> <p><u>TRADE PREAMBLES</u></p> <p><u>Trade Preambles:</u></p> <p>For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item</p> <p><u>uPVC pipes and fittings.</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings.</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed.</p> <p><u>Vitrified clay pipes etc:</u></p> <p>Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid.</p> <p><u>Excavations:</u></p> <p>No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.</p> <p>'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.</p> <p><u>Laying, backfilling, bedding, etc of pipes:</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.</p>				
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<p>Section No. 4</p> <p>Bill No. 4</p> <p>Soil Drainage</p>				

	Unit	Quantity	Rate	Amount
<p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.</p> <p>Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB: Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding.</p> <p><u>Descriptions of pipes laid in trenches:</u></p> <p>Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.</p> <p><u>Descriptions of catchpits, junction boxes, manholes, etc:</u></p> <p>Descriptions of catchpits, junction boxes, manholes, etc, shall be deemed to include for compaction, disposal of surplus excavated material to a dumping site located by the contractor, risk of collapse and keeping excavations free from water.</p> <p><u>SOIL DRAINAGE, ETC</u></p> <p><u>Class 34 Polyvinyl chloride (unplasticised) (uPVC) pipes:</u></p>				
1 40mm Pipes laid in and including trenches not exceeding 1m deep.	m	79		
<u>Extra over uPVC pipes for fittings</u>				
2 40mm Bend.	No	5		
3 40mm Access bend.	No	2		
4 40mm Junction.	No	3		
5 40mm Access junction.	No	1		
<u>Sundries:</u>				
6 Cast 40mm horizontal pipe in 15MPa/19mm concrete.	No	10		
7 Cast 40mm vertical pipe in 15MPa/19mm concrete.	No	5		
8 Extra over excavation in earth for pipe trenches, chambers, etc. for excavation in soft rock.	m ³	10		
9 Extra over excavation in earth for pipe trenches, chambers, etc. for excavation in hard rock.	m ³	5		
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	Unit	Quantity	Rate	Amount
<u>THE FOLLOWING IN SOAK-AWAYS</u>				
<u>Excavation in earth not exceeding 2m deep:</u>				
10	Soakaway.	m ³	4	
<u>Extra over bulk excavation in earth for excavation in:</u>				
11	Soft rock.	m ³	1	
12	Hard rock.	m ³	1	
<u>Extra over all excavations for carting away:</u>				
13	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m ³	4	
<u>Risk of collapse of excavations:</u>				
14	Sides of trench and hole excavations not exceeding 1.5m deep.	m ²	16	
<u>Keeping excavations free from water:</u>				
15	Keeping excavations free from mud and all water including subterranean sources.	Item		
<u>Topsoil:</u>				
16	Topsoil carted on top Bidum (elsewhere measured) spread and levelled.	m ³	1	
<u>Earth filling supplied by rhe contractor and lightly compacted:</u>				
17	Selected 75mm graded stone in drain soakaway.	m ³	4	
<u>Bidum:</u>				
18	Kaymat U24 laid in drain soakaway.	m ²	24	
<u>Testing:</u>				
19	Allow for testing soil drainage system.	Item		
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<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>BILL NO. 5</u>				
<u>WATER SUPPLY RECTULATION</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371A & PW371B) for the full descriptions of material to be used and work to be done in this Bill				
Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>EXTERNAL WATER SUPPLIES</u>				
<u>Class 12 HDPE pressure pipes:</u>				
1	m	10		
40mm Pipes fixed to structural steel stand, etc.				
2	m	6		
32mm Pipes laid in and including trenches not exceeding 1m deep.				
3	m	40		
40mm Pipes laid in and including trenches not exceeding 1m deep.				
<u>Extra over HDPE pipes for pressure fittings:</u>				
4	No	12		
32mm Bend.				
5	No	6		
32mm Adaptor.				
6	No	5		
40mm Bend.				
7	No	2		
40mm Tee.				
8	No	2		
40mm End Cap.				
9	No	6		
40 to 32mm Adaptor.				
10	No	6		
40mm Isolation valve.				
<u>Galvanized mild steel pipes</u>				
11	m	9		
20mm Pipes fixed to walls, etc.				
<u>Extra over galvanized mild steel pipes for steel fittings:</u>				
12	No	6		
20mm Pipe fittings.				
Carried to Collection			R	
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Water Supply Rectulation				



		Unit	Quantity	Rate	Amount
13	20 to 32mm Galvanized iron adaptor.	No	6		
14	20 to 32mm Galvanized iron to uPVC adaptor.	No	6		
15	20mm Brass stop cock with removable handle.	No	6		
	<u>Stopcock boxes, etc:</u>				
16	Excavate in earth for and build into position thermoplastic stopcock with lockable lid size 480 x 350 x 135mm high complete set in and including mass concrete (15MPa) surround size 150mm wide x 150mm deep all round on and including 50mm concrete (15MPa).	No	6		
	<u>SUNDRIES</u>				
17	150mm x 100mm Wide precast or insitu concrete pipeline route marker 1500mm long, with 20MPa reinforced concrete including 2 x R8 bars 1450mm long and 7 x R8 clips at 250mm centres, finished smooth with 20mm splayed edges and set in ground for depth of 750mm including 10mm wide x 10mm deep lettering painted with two coats of black enamel paint, letter "P" 100mm high on top of letter "L" 120mm high with a gap of 40mm in between including all necessary excavation, formwork, etc.	No	1		
18	Provide a Prime Cost of R15 000.00 for the supply and installation complete of PVC rainwater filters in accordance with the Engineer's specifications.	Item			15 000 00
19	Provide a Prime Cost of R10 000.00 for the supply and installation complete of "Klorman Inline Chlorinator" point of use filtration system in accordance with the Engineer's specifications.	Item			10 000 00
	<u>Testing:</u>				
20	Allow for testing water supply system.	Item			
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Water Supply Rectulation					



DRINKING FOUNTAINS

- 21 Drinking fountains comprising 100 x 50 x 11mm hot dipped double spelter galvanized mild steel channel section frame 7.7m long with two mitred and welded corners, two 200 x 200 x 4mm base plates cast into and including 300 x 300 x 300mm 20MPa/19mm mass concrete footings, including excavations, 100mm thick 20MPa/19mm mass concrete slab, 2.25m long x 1m wide graded to falls to outlet with wood floated finish and fitted with and including 20mm galvanized mild steel pipe 2.3m long, including three bends, three tees, three bushes, and three 15mm "Cobra Star 111" chromium plated pillar taps, one 20mm brass in-line strainer with stainless steel double mesh strainer basket, one 20mm Class 8 brass fullway gate valve with non-rising spindle and guided wedge and one 20mm brass hose bib tap with lockshield, loose key and hose union.

Unit

Quantity

Rate

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<u>EXTERNAL WORKS (PROVISIONAL)</u>					
<u>BILL NO. 6</u>					
<u>TANKS AND STANDS</u>					
1	Soft rock.	m ³	4		
2	Hard rock.	m ³	2		
<u>Risk of collapse of excavations other than bulk:</u>					
3	Sides of trench and hole excavations not exceeding 1,5m deep.	m ²	66		
<u>CARTING AWAY</u>					
<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>					
4	Off site to a dumping site to be found by the Contractor.	m ³	13		
<u>EARTH FILLING, ETC</u>					
<u>Earth filling obtain from the excavations and/or prescribed stock piles on site, spread, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO</u>					
5	Backfilling to trenches, holes, etc.	m ³	10		
6	Under solid floors.	m ³	15		
<u>Approved earth filling (G7) supplied by the Contractor, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density:</u>					
7	Under floors, ramps, steps, pavings, etc.	m ³	4		
<u>KEEPING EXCAVATIONS FREE OF WATER</u>					
<u>Keeping excavations free of water:</u>					
8	Keeping excavations free of all water other than subterranean water.	Item			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>					
<u>15Mpa/19mm Concrete:</u>					
9	Surface blinding under bases.	m ³	1		
<u>20MPa/19mm Mass concrete in:</u>					
10	Footings.	m ³	6		
Carried to Collection				R	
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		Unit	Quantity	Rate	Amount
11	Surface bed.	m ³	3		
	<u>REINFORCED CONCRETE</u>				
	<u>25MPa/19mm Concrete:</u>				
12	Bases.	m ³	1		
	<u>FINISHING TOP SURFACE OF CONCRETE</u>				
	<u>Finishing top surfaces of concrete smooth with a wood float:</u>				
13	Surface beds, slabs, etc.	m ²	30		
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Rough formwork to sides:</u>				
14	Edges, risers, ends and reveals not exceeding 300 mm high.	m	30		
15	Square or rectangular stub columns and foundation columns not exceeding 3.5m high above bearing level.	m ²	1		
	<u>REINFORCEMENT</u>				
	<u>Fabric reinforcement:</u>				
16	Ref 193 welded steel fabric reinforcement in concrete surface beds, slabs, etc.	m ²	30		
	<u>High tensile steel reinforcement to structural concrete work:</u>				
17	8mm Diameter bars.	Tonnes	0.38		
18	16mm Diameter bars.	Tonnes	0.38		
	<u>MASONRY</u>				
	<u>BRICKWORK IN FOUNDATIONS</u>				
	<u>Brickwork of NFX (14MPa nominal compressive strenght) bricks in class II mortar:</u>				
19	One brick wall.	m ²	23		
	<u>BRICKWORK IN SUPERSTRUCTURE</u>				
	<u>Brickwork of NFX (14MPa nominal compressive strenght) bricks in class II mortar:</u>				
20	One brick wall.	m ²	15		
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement:</u>				
21	150mm Wide reinforcement built in horizontally.	m	454		
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Tanks And Stands					

		Unit	Quantity	Rate	Amount
<u>Facings Externally:</u>					
<u>Face bricks (Allow a P.C. Amount of R7 500 per 1 000 supplied and delivered to site) including pointed with 6mm square recessed horizontal and vertical joints:</u>					
22	Extra over ordinary brickwork for face brickwork.	m ²	23		
23	220mm Facebrick wall pointed on both sides	m ²	30		
<u>Brick-on-edge header course cappings, sills, etc. with recessed joints on all exposed faces:</u>					
24	220mm Wide coping pointed on face and top.	m	31		
<u>DAMPROOFING TO WALLS AND FLOORS</u>					
<u>One layer of 375 micron embossed polyethylene damp proof course (SANS 952-1985 type B):</u>					
25	In walls.	m ²	7		
<u>One layer of 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape:</u>					
26	Under surface beds.	m ²	32		
<u>STRUCTURAL STEEL</u>					
Note:					
All materials and workmanship must comply with SABS 1200H (1990) structural steelwork. Should any requirement specified on the drawings conflict with any requirements of the standard specification, the requirements specified on the drawing shall prevail.					
Design of steelwork to be SABS 0162 unless otherwise noted.					
All structural steel to be:					
(a). Hot rolled - hollow section.					
(b). Cold rolled - purlins.					
All bolts to be grade M16 Grade 8.8 unless otherwise noted, except for purlins and girths where M12 grade 4.8 bolts may be used.					
All structural steel shall be grade 300W. All welding must comply with SABS 044.					
Carried to Collection					R
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	Unit	Quantity	Rate	Amount
<p>Contractor to prepare and submit two prints of shop drawings to the Engineer for review, prior to commencement of fabrication. The contractor is responsible for the design of all connections. All connections must exceed the load capacity of the members connected unless otherwise noted. The contractor is responsible for determining the erection sequence and for stability during construction. Site connections to be bolted unless otherwise stated.</p> <p>Contractor must notify the engineer when fabricated steelwork is ready for inspection in the contractor's workshop prior to corrosion protection. Corrosion protection to comply with SABS 1200 HG (1988).</p> <p>Thermally sprayed metal coatings to comply with SABS 1391. All structural members such as purlins, rafters, beams, columns and bracing are to be cleaned and grit blasted prior to thermal spraying with zinc by means of wire pistol to a minimum thickness of 150 microns zinc deposit . All sprayed surfaces to be sealed with a suitable sealing coat lacquer.</p> <p>Hot-dip galvanized to comply with SABS 763. fasteners (bolts and nuts) shall be hot-dip galvanized to SABS 763.</p> <p>The contractor must allow the following in his tender:</p> <ol style="list-style-type: none"> (1). Erection of steelwork. (2). Temporary struts and bracing during erection. (3). Shop fabrication drawings to be submitted to the Engineer for approval prior starting manufacturing. (4). Checking all relevant dimensions on site before starting fabrication. (5). Touching up corrosion protection after erection. <p>Steel mass will be calculated according to the tables issued by the SA Institute of Steel Corrosion.</p> <p><u>Descriptions:</u></p> <p>Descriptions of structural steelwork shall be deemed to include for all cutting, welding, holes, bolts, nuts, washers, rivets, bolting, riveting, and shop priming.</p>				
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		Unit	Quantity	Rate	Amount
	<u>The following in elevated water tank stand size 1500 x 1500 x 4000mm high, formed of hot-dip galvanized grade 300W steel angle section legs, base plates, braces, etc. including all welding, holes, bolts, nuts, washers, rivets, bolting, riveting, grinding smooth and fixing in position as per attached Engineer's Drawing No. 32863-DET-2:</u> <u>Grade 300W steel hot dipped galvanized after manufacture with continuous fillet welds:</u>				
27	16mm Diameter L-shaped holding down bolt 550mm girth with one end threaded and other end cast into top of concrete base (elsewhere measured).	No	4		
28	70 x 70 x 6mm Cap plate.	No	8		
29	70 x 70 x 10mm Thick base plate with 1 x 20mm diameter hole for bolt and welded to end of angle frame.	No	4		
30	25 x 25 x 3mm Angle iron rails, cross bracings, etc.	Tonnes	0.02		
31	40 x 40 x 3mm Angle iron rails, cross bracings, etc.	Tonnes	0.10		
32	50 x 50 x 5mm Angle iron rails, cross bracings, etc.	Tonnes	0.02		
33	70 x 70 x 6mm Angle iron stanchions, railing, etc.	Tonnes	0.10		
34	100 x 50 x 10.6kg/m Channel sections.	Tonnes	0.04		
35	M6 bolts, nuts, washers, etc.	Kg	5		
36	M16 bolts, nuts, washers, etc.	Kg	10		
	<u>Galvanized Mild steel cat ladder:</u>				
37	Galvanized mild steel cat ladder formed of 2 x No. 70 x 70 x 6mm angle iron stringers approximately 5000mm long and R20 lugs welded on at 300mm centres with and including semicircular protective cage formed of 8 x No. 50 x 8mm hoops with 1800mm circumference bent from 390mm to form a circular shape of 640mm diameter and 5 x No. 60 x 8mm flats approximately 4500mm long all fixed complete to steel structure (elsewhere measured).	No	1		
	<u>Carpentry:</u>				
38	76 x 114 Sawn Pine bearers 1900mm long twice holed for and including 8mm diameter cup bolt 125mm long bolted to channel section (elsewhere measured).	No	14		
	<u>Painting:</u>				
39	Two coats creosote on timber bearers.	m ²	10		
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		Unit	Quantity	Rate	Amount
	<u>METALWORK</u>				
	<u>Sundries:</u>				
40	4mm galvanized securing wire tie 1200mm long, doubled and hooked to wire tensioner on one side.	No	20		
41	Ditto, but 500.mm long and wrapped around plastic water tank	No	5		
42	12mm Guy wire turnbuckle tensioner hooked to stainless steel eyebolt (elsewhere measured) fixed in accordance with manufacturer's instruction.	No	20		
43	M12 Stainless steel eye bolt fixed to concrete with and including "Epidemix 18" or similar approved concrete adhesive all in accordance with manufacturer's specification.	No	20		
	<u>TANKS ETC.</u>				
	<u>'Jo-Jo' or other equally approved plastic tanks manufactured and including 'IDT', 'Department of Education', 'Kwamatambo SP School' and 'NOT FOR DRINKING' logos permanently written or engraved on the tank as per manufacturer's specification:</u>				
44	5 000 Litre water storage tank, size approximately 1800mm diameter x 2040mm high.	No	5		
	<u>TAPS, VALVES, ETC</u>				
	<u>'Cobra-Watertech':</u>				
45	20mm Type '108 LK-20' hose bibtap with lockshield, loose key, wingnut and lining manufactured in accordance with SANS 226:2009 Type 1 (BS 1010).	No	5		
46	25mm Type '1090 Ball-o-flo' ballcock.	No	5		
	<u>Water meter:</u>				
47	Approved 50mm diameter "Kent Optima" water meter fixed complete in accordance with manufacturer's instructions.	No	1		
	<u>PLASTERING</u>				
	<u>Screed, etc.:</u>				
	<u>Untinted (2:1:1) granolithic paving:</u>				
48	30mm Thick on concrete surfaces to falls.	m ²	30		
49	30mm Thick 1:3 cement sand grout under base plates size 70 x 70mm including chamfered edge all around.	No	4		
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SECTION NO.4

EXTERNAL WORKS (PROVISIONAL)

BILL NO. 7

FENCING & MAIN ENTRANCE

SUPPLEMENTARY PREAMBLES

Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item

FENCING

Temporary Fencing:

- | | Unit | Quantity | Rate | Amount |
|---|------|----------|------|--------|
| 1 1800mm High fence formed 125mm diameter gumpoles at maximum 2000mm centres with 500mm deep and including 3 rows of 50 x 76mm timber purlins bolted or skew nailed to posts and covered with corrugated iron roofing sheet including completely removing the fence on completion of the project and handing over all the materials to the principal. | m | 128 | | |
| 2 Extra over last for 125mm diameter gate/corner post 2400mm long. | No | 5 | | |
| 3 Extra over last for 85mm diameter inclined post 2400mm long. | No | 6 | | |
| 4 Extra over last for 2500mm wide single gate | No | 1 | | |
| 5 Extra over last for 5000mm wide double gate | No | 1 | | |

Site clearance, etc:

- | | | | | |
|---|---|-----|--|--|
| 6 Take down and remove existing 1800mm high security fencing complete. | m | 121 | | |
| 7 Allow for clearing of site for the width of 1000mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200mm girth, grubbing up roots and roughly levelling. | m | 370 | | |
| 8 Excavate in earth and fill adjustment portion to make up levels under fence line. | m | 28 | | |

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Section No. 4

Bill No. 7

Fencing & Main Entrance

		Unit	Quantity	Rate	Amount
	<u>Galvanized Mild Steel School Perimeter Security Fencing:</u>				
9	Security fencing 1.8m high formed of 50mm diameter x 2.8mm wall thickness galvanized intermediate posts 2.5m long , holed six times, fitted on top with pressed steel caps, 150 x 150 x 5mm thick mild steel baseplates welded on at bottom and embedded in and including 300 x 300 x 700mm deep 15MPa mass concrete base at maximum 3m centres, including four 4mm galvanized straining wires secured to posts with double strand of 2mm galvanized binding wire t and including straining eye bolts; the vertical height covered with 50 x 50 x 2.5mm galvanized Class A Weldmesh fencing 1.8m high fixed to straining wires with Hogring clips applied at 300mm centres to the top and bottom straining wires and at 500mm centres to the intermediate straining wires, the top covered with a single row of 600mm diameter flatwrap razor wire attached to and including two strands of double stranded barbed wire and weldmesh with Hogring clips at 300mm centres, and at each overlap of flatwrap with the adjacent flatwrap.	m	121		
10	Extra over fencing for 127mm diameter x 3mm wall thickness straining or corner post 2.7m long, holed six times and fitted on top with a pressed steel cap and other end fitted with 150 x 150 x 5mm thick galvanized mild steel base plate welded on and embedded in and including 400 x 400 x 900mm deep 15MPa mass concrete base.	No	8		
11	75mm Diameter x 3mm wall thickness galvanized inclined stay 2.5m long with top end flattened and bolted to posts with and holed for and including 12mm diameter galvanized bolts and other end fitted with 150 x 150 x 5mm galvanized mild steel baseplate welded on and embedded in and including 450 x 700 x 500mm 15MPa mass concrete base.	No	16		
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Fencing & Main Entrance					

		Unit	Quantity	Rate	Amount
	<u>Galvanized Mild Steel Grade R Perimeter Security Fencing:</u>				
12	Security fencing 1.5m high formed of 50mm diameter x 2.8mm wall thickness galvanized intermediate posts 2.5m long , holed six times, fitted on top with pressed steel caps, 150 x 150 x 5mm thick mild steel baseplates welded on at bottom and embedded in and including 300 x 300 x 700mm deep 15MPa mass concrete base at maximum 3m centres, including four 4mm galvanized straining wires secured to posts with double strand of 2mm galvanized binding wire t and including straining eye bolts; the vertical height covered with 50 x 50 x 2.5mm galvanized Class A Weldmesh fencing 1.8m high fixed to straining wires with Hogring clips applied at 300mm centres to the top and bottom straining wires and at 500mm centres to the intermediate straining wires.	m	97		
13	Ditto, but circular on plan.	m	25		
14	Extra over fencing for 127mm diameter x 3mm wall thickness straining or corner post 2.4m long, holed six times and fitted on top with a pressed steel cap and other end fitted with 150 x 150 x 5mm thick galvanized mild steel base plate welded on and embedded in and including 400 x 400 x 900mm deep 15MPa mass concrete base.	No	7		
15	75mm Diameter x 3mm wall thickness galvanized inclined stay 2.0m long with top end flattened and bolted to posts with and holed for and including 12mm diameter galvanized bolts and other end fitted with 150 x 150 x 5mm galvanized mild steel baseplate welded on and embedded in and including 450 x 700 x 500mm 15MPa mass concrete base.	No	14		
	<u>THE FOLLOWING IN GRADE - R ENETRANCE</u>				
	<u>Excavation in earth not exceeding 2m deep:</u>				
16	Trenches.	m ³	6		
	<u>Extra over excavations other than bulk in earth for excavation in:</u>				
17	Soft rock.	m ³	1		
18	Hard rock.	m ³	1		
	<u>Extra over excavations other than bulk in earth for carting away:</u>				
19	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m ³	3		
	Carried to Collection			R	
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	Fencing & Main Entrance				



		Unit	Quantity	Rate	Amount
	Risk of collapse of excavations:				
20	Sides of trench and hole excavations not exceeding 1.5m deep.	m ²	16		
	Keeping excavations free of water:				
21	Keeping excavations free of all water other than subterranean water.	Item			
	<u>arth filling obtain from the excavations and/or prescribed stock piles on site, spread, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density in:</u>				
22	Backfilling to trenches, holes, etc.	m ³	3		
	<u>SOIL POISONING</u>				
	<u>Soil insecticide in accordance with SANS 5859:</u>				
23	To bottoms and sides of trenches, etc.	m ²	22		
	<u>CONCRETE, FORMWORK AND REINFORCEMENT SUPPLEMENTARY PREAMBLES</u>				
	<u>Cost of tests:</u>				
	The cost of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABIS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are elsewhere measured).				
	<u>25MPa/19mm mass concrete in:</u>				
24	Strip footing.	m ³	2		
	<u>TEST BLOCKS</u>				
25	Making and testing set of three 150 x 150 x 150mm concret strength test cubes.	Sets	1		
	<u>PRECAST CONCRETE</u>				
	<u>Precast or In-situ concrete (20MPa of 19mm stone) copings and capping blocks finished smooth including all necessary moulds, reinforcement, formwork, etc. and bedding on brickwork including jointing and pointing tto all exposed surfaces:</u>				
26	300mm Wide twice weathered coping on top of 230mm wall.	m	8		
	Carried to Collection				
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	Unit	Quantity	Rate	Amount
<u>MASONRY</u>				
<u>BRICKWORK IN FOUNDATIONS</u>				
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>				
27	One brick wall.	m ²	6	
<u>BRICKWORK IN FOUNDATIONS</u>				
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class II mortar:</u>				
28	One brick wall.	m ²	14	
<u>BRICKWORK SUNDRIES</u>				
<u>Brickwork reinforcement:</u>				
29	150mm Wide reinforcement built in horizontally.	m	80	
<u>FACE BRICKWORK</u>				
<u>Face bricks (Allow a P.C. Amount of R7 500.00 per 1 000 supplied, delivered and loaded onto site) pointed with 6mm square recessed horizontal and vertical joints:</u>				
30	Extra over brickwork for face brickwork.	m ²	33	
<u>Brick-on-edge header course copings, sills, etc. with recessed joints on all exposed faces:</u>				
31	220mm Wide coping pointed on top and sides.	m	8	
<u>METALWORK</u>				
<u>WELDED GALVANIZED SCREENS, GATES, ETC</u>				
<u>Steel security gates, screens, etc fixed complete including ironmongery:</u>				
32	Purposed made single size 900 x 1800mm high formed of 60 x 60 x 4mm steel angle section outer frame and 40 x 40 x 2.8mm horizontally cross bar angle section member, the whole frame filled in with 50 x 50 x 2.5mm galvanized weld mesh all welded at junctions and intersections including 9mm diameter x 30mm long mild steel hinge pins, 2 No. 100 x 40 x 5mm steel plates welded on as locking mechanism, sliding bolt, etc., installed complete as per "Door and Window Schedule D08 on Architect's Drawing No. 1344-AR-808" attached to these Bills of Quantities.	No	1	
33	"Union 335021MK" 50mm padlock with stainless steel shackle.	No	1	
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		Unit	Quantity	Rate	Amount
34	50mm Galvanized steel locking chain 500mm long welded to gate frame. For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill	No	1		
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	Unit	Quantity	Rate	Amount
<u>SECTION NO.4</u>				
<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>BILL NO. 8</u>				
<u>GRADE - R EXTERNAL STRUCTURES</u>				
<u>TRADE PREAMBLES</u>				
<u>Trade Preambles:</u>				
For Trade Preambles refer to 'Specification of Materials and Methods' (PW371) for the full descriptions of material to be used and work to be done in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item.				
<u>EXCAVATION OTHER THAN BULK</u>				
<u>Excavation in earth not exceeding 2m deep:</u>				
1 Trenches.	m ³	22		
2 Holes.	m ³	2		
3 Sand pit.	m ³	33		
<u>Extra over excavations other than in earth for excavation in:</u>				
4 Soft rock.	m ³	11		
5 Hard rock.	m ³	5		
<u>Risk of collapse of excavations other than bulk:</u>				
6 Sides of trench and hole excavations not exceeding 1,5m deep.	m ²	10		
7 Ditto, but circular on plan.	m ²	63		
<u>CARTING AWAY</u>				
<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
8 Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m ³	33		
9 Surplus material from excavations and/or stock piles spread and levelled within 100m radius of construction site (Measured nett with no allowance made for bulking)	m ³	13		
Carried to Collection			R	
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Grade - R External Structures				

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		Unit	Quantity	Rate	Amount
	<u>SOIL POISONING</u>				
	<u>Soil insecticide in accordance with SANS 5859:</u>				
18	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming.	m ²	95		
19	To bottom and sides of trenches.	m ²	96		
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	<u>SUPPLEMENTARY PREAMBLE</u>				
	<u>Costs of tests:</u>				
	The cost of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are elsewhere measured).				
	<u>UNREINFORCED CONCRETE</u>				
	<u>19MPa/19mm Concrete:</u>				
20	Filling to brick piers	m ³	1		
	<u>25MPa/19mm Concrete:</u>				
21	Strip footings.	m ³	7		
22	Steps	m ³	5		
23	Bases	m ³	1		
24	Bench seating.	m ³	1		
	<u>REINFORCED CONCRETE</u>				
	<u>30MPa/19mm Concrete:</u>				
25	Surface beds on waterproofing.	m ³	12		
	<u>TEST BLOCKS</u>				
	<u>Test blocks:</u>				
26	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes (Provisional).	Sets	2		
	<u>FINISHING TOP SURFACE OF CONCRETE</u>				
	<u>Finishing top surface of concrete smooth with a steel float:</u>				
27	Surface beds, slabs, etc. to falls	m ²	3		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 8				
	Grade - R External Structures				



	Unit	Quantity	Rate	Amount
<u>PERMANENT FORMWORK TO BENCHES</u>				
<u>Rough formwork to soffits:</u>				
28	Bench seating.	m ²	2	
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>Smooth formwork to sides and soffits:</u>				
29	Edges, rises, ends and reveals not exceeding 300mm high or wideh	m ²	7	
<u>Boxing in smooth formwork to form:</u>				
30	20 x 20mm Chamfer along top or bottom.	m	7	
<u>MOVEMENT JOINTS, ETC</u>				
<u>Isolation joints with 10mm bitumen impregnated softboard between vertical concrete and brick surfaces:</u>				
31	Not exceeding 300mm high to edges of surface beds.	m	7	
<u>REINFORCEMENT</u>				
<u>Mild steel rod reinforcement to structural concrete work:</u>				
32	10mm Diameter bars.	Tonnes	0.53	
<u>High tensile steel reinforcement to structural concrete work:</u>				
33	10mm Diameter bars.	Tonnes	0.53	
34	12mm Diameter bars.	Tonnes	0.56	
<u>Fabric reinforcement:</u>				
35	Ref 193 welded steel fabric reinforcement in concrete surface beds, etc.	m ²	89	
<u>PRECAST CONCRETE</u>				
<u>Precast or In-situ concrete (20MPa of 19mm stone) copings and capping blocks finished smooth including all necessary moulds, reinforcement, formwork, etc. and bedding on brickwork including jointing and pointing tto all exposed surfaces:</u>				
36	450 X 450mm Pyramid capping, including 100mm diameter opening at apex and threading block over hollow section column.	No	3	
Carried to Collection				R
Section No. 4				
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Grade - R External Structures				

		Unit	Quantity	Rate	Amount
<u>MASONRY</u>					
<u>BRICKWORK IN FOUNDATIONS</u>					
<u>Brickwork of NFX bricks (14MPa nominal compressive strength) in Class I mortar:</u>					
37	Half brick wall in 340 x 340mm hollow columns filled with concrete (concrete elsewhere measured).	m ²	2		
38	One brick walls circular on plan.	m ²	47		
39	Piers	m ³	1		
<u>BRICKWORK IN SUPERSTRUCTURE</u>					
<u>Brickwork of NFX bricks (14MPa nominal compressive strength) in Class II mortar:</u>					
40	Half brick wall in 340 x 340mm hollow columns filled with concrete (concrete elsewhere measured).	m ²	3		
41	One brick walls.	m ²	3		
42	Piers	m ²	1		
<u>BRICKWORK SUNDRIES</u>					
<u>Brickwork reinforcement:</u>					
43	150mm Wide reinforcement built in horizontally.	m	597		
<u>FACE BRICKWORK</u>					
<u>Face bricks (Allow a P.C. Amount of R7 500.00 per 1 000 supplied and delivered to site) pointed with 6mm square recessed horizontal and vertical joints:</u>					
44	Extra over brickwork for face brickwork.	m ²	3		
45	Extra over brickwork for facing 340 x 340mm piers.	m ²	5		
<u>FACE BRICKWORK COPINGS, SILLS, ETC</u>					
<u>Brick-on-edge header course copings, sills, etc. with recessed joints on all exposed faces:</u>					
46	220mm Wide coping pointed on top and sides.	m	31		
<u>WATERPROOFING</u>					
<u>One layer of 250 micron "Console Plastics Gunplasn USB Green" waterproof sheeting sealed at minimum 150mm laps with "Gunplas pressure Sensitive tape" and tucked under all damproof course:</u>					
47	Under surface beds.	m ²	55		
Carried to Collection				R	
Section No. 4					
Bill No. 8					
Grade - R External Structures					

		Unit	Quantity	Rate	Amount
	<u>TANKING</u>				
	<u>One layer of 500mm micron "Consol Plastics Hyperplastic Orange" waterproof sheeting sealed at laps with "Superstik" tape:</u>				
48	Under surface beds.	m ²	47		
	<u>Waterproofing wall faces:</u>				
49	Prepare and apply two coats approved bituminous emulsion coating to back of retaining walls.	m ²	47		
	<u>SUB-SOIL DRAINAGE TO RETAINING WALLS</u>				
	<u>Filling:</u>				
50	19mm Clean, durable, single sized crushed stone free of dust and fines in fillings to sub-soil drain.	m ³	6		
51	6mm Clean, durable, single sized crushed stone free of dust and fines in fillings to sub-soil drain.	m ³	4		
	<u>Filter fabric:</u>				
52	Bidum A5 geotextile or similar approved filter fabric fixed sides of circular wall.	m ²	47		
53	Ditto, but laid to sandpit floor.	m ²	34		
	<u>uPVC perforated agricultural drain piping:</u>				
54	110mm Geopipe laid in filling to sub-soil drain (elsewhere measured).	m	20		
	<u>Weep holes:</u>				
55	Leave or form hole for and including 75mm diameter uPVC pipe 220mm wide brick retaining wall at 2000mm centres.	No	16		
	<u>ROOF COVERINGS</u>				
	<u>0.58mm "IBR686" Z200 Galvanized roof sheets with Chromadek finish, Colour: Dark Dolphin to one side and standard grey backing coat to other side, ect, including fixing to timber purlins (elsewhere measured), strictly in accordance with manufacturer's specification.</u>				
56	Roof covering with pitch not exceeding 25 degrees	m ²	58		
	<u>0.8mm Standard 'IBR686" Chromadakk Roof trims and Flashings:</u>				
57	Hip capping 452mm girth bent on site to suit angle roof slope.	m	19		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 8				
	Grade - R External Structures				

		Unit	Quantity	Rate	Amount
58	Purpose made ridge cap to suit 4-way intersection of hip cappings.	No	1		
	<u>1.00mm "Modek" IBR686 'OPAL' polycarbonate UV stabilised roof sheeting and accessories fixed to timber purlins or rails at centres not exceeding 1000mm including sealing vertical joints twice with silicon sealer:</u>				
59	Roof covering with pitch not exceeding 25 degrees	m ²	23		
	<u>'Sisalation FR405' or similar approved heavy industrial grade aluminium foil based insulation.:</u>				
60	Insulation laid taut over battens (at approximately 380mm centres) and fixed concurrent with roof covering including galvanised steel straining wires, laps, etc.	m ²	81		
	<u>CARPENTRY AND JOINERY</u>				
	<u>ROOF CONSTRUCTION</u>				
	<u>Gangnail Roof Trusses:</u>				
	Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Principal Agent.				
	All trusses shall be designed by a registered Professional Engineer in accordance with SABS Code of Practice for Design of Timber Structures.				
	The complete structure shall be inspected by the truss designer to ensure that the manufacture and erection details have been complied with.				
	<u>Prefabricated timber roof construction complete including purlins, runners, bracing hips, valleys, cleats, purlins, etc., supplied and fixed complete:</u>				
61	Prefabrigated timber roof construction to double pitched roof with one hipped end, for a rectangular building size 7.50 x 7.50m overall on plan having 25 degree pitch, including trusses, jack rafters, permanent bracing and 50 x 76mm purlins for IBR roof covering (wall plate elsewhere measured). (Undercover Gazebo).	Item			
	<u>"Meranti" wrought laminated timber:</u>				
62	76 x 228m Beams.	m	30		
Carried to Collection				R	
Section No. 4					
Bill No. 8					
Grade - R External Structures					

		Unit	Quantity	Rate	Amount
	<u>EAVES, VERGES, ETC</u>				
	<u>"Nutec Fibre Cement" or other equally approved pressed fibre-cement:</u>				
63	12 x 220mm Fascia and barge boards drilled and brass screwed to and including 38 x 50 x 114mm long S.A.P cleats screwed to rafter feet including H-profile jointing strips to joints between lengths.	m	34		
	<u>METALWORK</u>				
	<u>Verandah posts, etc.:</u>				
64	100mm Diameter x 3mm thick galvanized steel post 1265mm long with 220 x 220 x 5mm thick base plate four times holed and welded on to bottom end and top end having 100 x 5mm thick x 376mm girth channel-shaped bracket four times holed and welded on at top, screwed through beam with and including 2 No. 12mm diameter galvanizes steel bolts and nuts, including setting up in position and fixing bottom base plate to and including 4 No. 12mm diameter chemical anchors 250mm long cast into concrete (concrete elsewhere measured)	No	5		
65	Ditto, but galvanized steel post 2450mm long.	No	6		
	<u>PLASTERING</u>				
	<u>Granolithic Paving:</u>				
	<u>Untinted (2:1:1) granolithic paving:</u>				
66	35mm Thick on concrete surfaces:	m ²	55		
67	35mm Thick on threads and risers of steps including reedings:	m ²	21		
	<u>EXTERNAL PLASTER</u>				
	<u>One coat 15mm thick cement plaster (4:1) on brickwork finished with a wood float:</u>				
68	On walls.	m ²	49		
69	On narrow widths.	m ²	5		
	<u>PLUMBING</u>				
	<u>RAINWATER DISPOSAL</u>				
	<u>0.8mm "Watertite" OGEE Profile aluminium seamless gutter pre-painted externally and internally with ColourTech G4 "Charcoal" high performance non-flourinated polymer modified long chain hydro-carbon paint:</u>				
70	100 x 125mm Eave gutters.	m	34		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 8				
	Grade - R External Structures				

		Unit	Quantity	Rate	Amount
71	Extra over 100 x 125mm eaves gutter for angle.	No	4		
72	Extra over 100 x 125mm eaves gutter for outlet for 100 x 75mm rainwater pipe.	No	2		
73	100 x 75mm Rainwater pipes.	m	4		
74	Extra over 100 x 75mm rainwater pipe for 600mm eaves offset projection.	No	2		
75	Extra over 100 x 75mm rainwater pipe for shoe.	No	2		
<u>PAINTING</u>					
<u>ON FLOATED PLASTER SURFACES</u>					
76	15mm Pipes casted into concrete slab.	m	3		
77	22mm Pipes.	m	3		
<u>Extra over class II copper pipes for capillary fittings:</u>					
78	15mm Fittings.	No	4		
79	22mm Fittings.	No	2		
<u>Extra over class II copper pipes for brass compression fittings:</u>					
80	15mm Fittings.	No	4		
81	22mm Fittings.	No	2		
<u>Testing:</u>					
82	Testing the drinking fountain bubbler	Item			
<u>PAINTWORK</u>					
<u>Prepare and apply one coat Plascon 'Merit plaster primer (UC560' thinned with 20% mineral turpentine (AZH1) and two coats Plascon 'Double Velvet (VEL)' paint:</u>					
83	On external walls.	m ²	52		
<u>ON FIBRE-CEMENT</u>					
<u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one coat Plascon Wall and All with Teflon thinned with 10% water and two full coats Plascon Wall & All with Teflon:</u>					
84	On fascia boards.	m ²	45		
Carried to Collection				R	
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Bill No. 8					
Grade - R External Structures					

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BILL NO. 8

GRADE - R EXTERNAL STRUCTURES

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Grade - R External Structures



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SECTION NO.5

PROVISIONAL SUMS



	Unit	Quantity	Rate	Amount
<u>SECTION NO.5</u>				
<u>PROVISIONAL SUMS</u>				
<u>BILL NO. 1</u>				
<u>PROVISIONAL AMOUNTS</u>				
<u>PROVISIONAL AMOUNTS</u>				
1.The following sums and amounts are NET.				
2. Under no circumstances may any Provisional Sum be extended at an amount lower than the amount given in the bill.				
3. Unless a specific percentage mark-up for Attendance is indicated in a rate column, the amount priced by the Contractor for Attendance against each Provisional Sum shall be deemed to be the Lump Sum and shall not be adjusted unless the scope of the sub contract varies significantly.				
4. Provisional Sums contained here-in may be omitted or reduced at the employer's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omissions or any discount, or percentage relating to Provisional Sums or PC amounts or any loss of profit related thereto.				
<u>RENOVATIONS TO EXISTING SCHOOL</u>				
1				
Provide the sum of R 350 000.00 (Three Hundred and Fifty Thousand Rand) for new rainwater tanks and stands, gutters and downpipes to existing school building installed complete and to be measured out in accordance with Bill of Quantities rates		Item		350 000 00
2				
Profit on above item.		Item		
3				
Attendance on ditto.		Item		
<u>LANDSCAPING</u>				
4				
Provide the amount of R 50 000.00 (Fifty Thousand Rand) for Landscaping.		Item		50 000 00
5				
Profit on above item.		Item		
6				
Attendance on ditto.		Item		
<u>GAS INSTALLATION</u>				
7				
Provide the amount of R20 000.00 (Twenty Thousand Rand) for gas installation		Item		20 000 00
8				
Profit		Item		
9				
Attendance		Item		
Carried to Collection			R	
Section No. 5				
Bill No. 1				
Provisional Amounts				

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BILL NO. 1

PROVISIONAL AMOUNTS

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Section No. 5

Bill No. 1

Provisional Amounts

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.5</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>BILL NO. 2</u></p> <p><u>CONTINGENCY, CPAP, ETC</u></p> <p><u>MONETARY ALLOWANCES</u></p> <p>The following monetary provisions are to be omitted from the contract sum and used as directed below.</p> <p><u>Statutory Increases:</u></p> <p>1 Provide the amount of R 800 000.00 (Eight Hundred Thousand Rand) for CPAP to used in terms of clause 32.13of the Principal Building Agreement.</p>				
	Item			800 000 00
<p>Section No. 5</p> <p>Bill No. 2</p> <p>Contingency, Cpap, Etc</p>			R	



Amount

SECTION NO.5

PROVISIONAL SUMS

SECTION SUMMARY

Bill No.

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|---|------------------------|
| 1 | PROVISIONAL AMOUNTS |
| 2 | CONTINGENCY, CPAP, ETC |

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SECTION SUMMARY

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Section No. **FINAL SUMMARY**

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2 FOUNDATIONS (PROVISIONAL)

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3 SUPERSTRUCTURE

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4 EXTERNAL WORKS (PROVISIONAL)

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5 PROVISIONAL SUMS

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ADD: CONTINGENCIES

Allow the Amount of R700 000.00 (Seven Hundred Thousand Rands) for contingencies, to be used by the Architect in terms of Clause 17 of the Principal Building Agreement.

700 000 00

Carried to Tender

R

FINAL SUMMARY

PART B

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 1: PRELIMINARY & GENERAL

ITEM	DESCRIPTION	UNIT	TOTAL AMOUNT
1,1	Compliance with General Conditions of Contract Travelling, Out of Town Allowances Fixed:_____ Value related:_____ Time related:_____.	Item	
1,2	Establishment of site and provision of buildings and storage facilities including de-establishment of site cleaning and tidying up after completion of contract Fixed:_____ Value related:_____ Time related:_____.	Item	
1,3	Full time contract management and supervision of the works including liaison with Principal Contractor and submission of installation programme including weekly revisions thereto from time to time or as may be required Fixed:_____ Value related:_____ Time related:_____.	Item	
1,4	Liaison with Local Authority, compliance with O.S.H. Act, Local By-Laws and any other statutory regulations	Item	
1,5	Any additional item not specifically mentioned or included in the Bill of Quantities which the Tenderer may wish to detail.	Item	
1,6	Final Inspection of the works by an accredited representative and signing-off of installation excluding the provision of a Certificate of Compliance measured elsewhere	Item	
1,7	OCCUPATIONAL HEALTH AND SAFETY ACT 1993 AND THE CONSTRUCTION REGULATIONS 2003 It is required of the contractor to study the Occupational Health and Safety Act attached as an additional specification. Provision for pricing of the Occupational Health and Safety Act and the Construction Regulations is made under items 1.16 to 1.30 and it is explicitly pointed out that all the requirements of the abovementioned specification are deemed to be priced hereunder and no additional extras to the contract in this regard shall be entertained. Fixed:_____ Value related:_____ Time related:_____.	Item	
1,8	CONTRACTOR'S RISK ASSESSMENT Fixed:_____ Value related:_____ Time related:_____.	Item	
1,9	HEALTH AND SAFETY PLAN Fixed:_____ Value related:_____ Time related:_____.	Item	
1,10	HEALTH AND SAFETY TRAINING, PROMOTION AND AWARENESS Fixed:_____ Value related:_____ Time related:_____.	Item	
1,11	MONITORING AND AUDITS Fixed:_____ Value related:_____ Time related:_____.	Item	
TOTAL CARRIED FORWARD TO NEXT PAGE			

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 1: PRELIMINARY & GENERAL

ITEM	DESCRIPTION	UNIT	TOTAL AMOUNT
	<i>Brought Forward</i>		
1,12	STATUTORY REPORTING Fixed: _____ Value related: _____ Time related: _____.	Item	
1,13	MANAGEMENT OF HEALTH AND SAFETY PLAN Fixed: _____ Value related: _____ Time related: _____.	Item	
1,14	PERSONAL PROTECTIVE EQUIPMENT AND PROTECTIVE CLOTHING Fixed: _____ Value related: _____ Time related: _____.	Item	
1,15	EMERGENCY PLANNING AND RESPONSE Fixed: _____ Value related: _____ Time related: _____.	Item	
1,16	DEVELOPMENT OF SAFE WORK PROCEDURES AND METHOD STATEMENTS Fixed: _____ Value related: _____ Time related: _____.	Item	
1,17	HEALTH AND SAFETY FUNCTIONS Fixed: _____ Value related: _____ Time related: _____.	Item	
1,18	MEDICAL SURVEILLANCE Fixed: _____ Value related: _____ Time related: _____.	Item	
1,19	SPECIAL CLOTHING FOR WORKFORCE Fixed: _____ Value related: _____ Time related: _____.	Item	
1,20	IDENTITY CARDS Fixed: _____ Value related: _____ Time related: _____.	Item	
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE			

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 2: LV DISTRIBUTION BOARDS

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	LV DISTRIBUTION BOARDS				
	The supply, installation and commissioning of complete distribution boards, including all busbars and switchgear as specified and shown on drawing, and to standard specification.				
1	Main Board for Normal Supply as shown on Drawing No. CAR16E/1617/KSPS/100E and equipped as detailed in Summary of Switchgear and Circuits and labelled SDB-GRADE-R	unit	1		
	Supply	unit	1		
	Install				
2	Sub-Distribution Board for Normal Supply as shown on Drawing No. CAR16E/1607/KSPS/101E and equipped as detailed in summary of switchgear and circuits and labelled SDB - VIP-1, SDB-VIP-2	unit	2		
	Supply	unit	2		
	Install				
3	Test and Commissioning Test and commissioning of Distribution Boards to the Clients and Engineer's satisfaction including II the necessary test equipment At the suppliers premises, prior to delivery to site	item	2		
4	<u>Switchgear</u>				
4,1	5-60 amp SP MCB - 5kA	each	1		
	Supply	each	1		
	Install				
4,2	5-60 amp DP MCB - 5kA	each	1		
	Supply	each	1		
	Install				
4,3	60 amp SP earth leakage relay - 5kA Isolator Type	each	1		
	Supply	each	1		
	Install				
4,4	20-60 amp TP isolator	each	1		
	Supply	each	1		
	Install				
4,5	20-60 amp DP isolator	each	1		
	Supply	each	1		
	Install				
4,6	SAL Lightning Arrester 230V, Class 1 & 2	each	1		
	Supply	each	1		
	Install				
4,7	20A, 230V Contactor	each	1		
	Supply	each	1		
	Install				
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS

BILL NO. 3: MAINS CABLING & SUBMAINS WIRING

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	The supply and installation of cable and earth wire drawn through horizontal ducting, cable sleeve in trench or on cable tray.				
1,1	16mm ² x 3 core PVC/PVCSWAPVC cable (3rd core used as earth)				
	Supply	m	60		
	Install	m	60		
	Terminations	each	4		
1,2	4mm ² x 3 core PVC/PVCSWAPVC cable (3rd core used as earth)				
	Supply	m	130		
	Install	m	130		
	Terminations	each	4		
2	EARTHING				
2,1	16mm ² insulated copper earth wire including terminations				
	Supply	each	80		
	Install	each	80		
2,2	1.5m copper earth spikes including bonding				
	Supply	No.	10		
	Install	No.	10		
4	Excavations for cables in trenches (450mm wide x 600mm deep)				
4,1	Excavate in normal earth	m	200		
4,2	Allow for Soft Rock in above trench	m ³	200		
4,3	Allow for Hard Rock in above trench	m ³	50		
4,4	Allow for earth in above trench	m ³	200		
5	Pyramid shaped concrete cable markers (300mm length) with aluminium plate including cable size marking, direction and voltage				
	Supply	each	4		
	Install	each	4		
6	600mm x 600mm x 600mm deep manholes for main supply cables c/w heavy duty manhole covers				
	Supply	No.	1		
	Install	No.	1		
7	Supply and install 50mm Ø sleeves for main supply cables				
	Supply	m	50		
	Install	m	50		
8	Supply and install 110mm Ø sleeves for main supply cables				
	Supply	m	50		
	Install	m	50		
9	Supply and install 50mm Ø sleeves c/w bends etc for main supply cables				
	Supply	m	6		
	Install	m	6		
TOTAL CARRIED FORWARD TO NEXT PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 3: MAINS CABLING & SUBMAINS WIRING

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	<i>Brought Forward</i>				
10	Supply and install 110mm Ø sleeves c/w bends etc for main supply cables				
	Supply	m	3		
	Install	m	3		
11	Cable sleeves seal	each	10		
12	Galvanised steel draw wire				
	Supply	m	100		
	Install	m	100		
13	Poles 10m, 130 to 160mm top diameter creosote treated wooden				
	Supply	no.	2		
	Install	no.	2		
14	Pole holes (1.2m x 0.62m x 2m deep) including backfill and stabilising cement				
	Supply	no.	2		
	Install	no.	2		
15	Pratley weatherproof junction boxes suitable for 4 x 10mm ² cable wax filled				
	Supply	No.	2		
	Install	No.	2		
16	20mm dia 3 way galvanised boxes for surfix to Pratley connections c/w glands				
	Supply	No.	2		
	Install	No.	2		
17	Supply and install 25 mm Ø galvanised kicker including ancillary equipment kicker pipe will be installed along the pole from ground level to flood light position				
	Supply	m	20		
	Install	m	20		
18	Head frames				
	Supply	No.	3		
	Install	No.	3		
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 4: GENERAL LIGHTING

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	<u>CONDUIT</u> The supply and installation of conduit including cutting, drawboxes and fixing materials cast in concrete, on surface, in roof space, built into brickwork, dry walls, fitted to trusses etc.				
1	20mm diameter plain pvc	m	1000		
	Supply	m	1000		
	Install				
	<u>CONDUIT ACCESSORIES - All pvc plain ended</u> The supply and installation of drawboxes including locknuts, bushes, coverplates, fixing materials when required.				
2	Lightweight round, deep back or side entry for 20mm dia conduit cast in concrete or roofspace, average for 1,2,3 and 4 ways	each	50		
	Supply	each	50		
	Install				
3	Lightweight round shallow back or side entry type for 20mm dia conduit on surface in open roofspace and built into wall averaged for 1,2,3 and 4 ways	each	50		
	Supply	each	50		
	Install				
4	Galvanised basal, 100 x 50 x 50 switch boxes for 20mm dia conduit built into brickwork or cast into concrete (coverplates measured elsewhere)	each	40		
	Supply	each	40		
	Install				
5	16 amp single lever, one way flush mounted rocker type light switch with coverplate.	each	20		
	Supply	each	20		
	Install				
6	16 amp 2 lever, one way flush mounted rocker type light switch with coverplate.	each	5		
	Supply	each	5		
	Install				
7	5A switchless socket outlets for various light fittings as specified	each	40		
	Supply	each	40		
	Install				
8	16 amp weather proof rotary type switch.	each	2		
	Supply	each	2		
	Install				
TOTAL CARRIED FORWARD TO NEXT PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 4: GENERAL LIGHTING

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	<i>Brought Forward</i>				
	<u>CONDUCTORS</u>				
	The supply and installation of PVC insulated single core stranded copper conductors drawn into conduits				
9	2,5mm ² PVC black & red (Lights)				
	Supply	m	3000		
	Install	m	3000		
10	2,5mm ² PVC green/yellow earth wire				
	Supply	m	1500		
	Install	m	1500		
	<u>ROOF LIGHT SWITCHES</u>				
	The supply and installation of galvanised P8000 trunking complete with fixing brackets, angle units, couplings, tee units & all other ancillary accessories and all pre-painted orange (see specification) before installation				
11	Allow to fix P8000 with galvanised steel cover strip on steel & wooden trusses & walls for power & lighting conductors.				
	Supply	m	50		
	Install	m	50		
12	16A single phase occupancy sensors				
	Supply	each	20		
	Install	each	20		
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS

BILL NO. 5: LUMINAIRES

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	Supply, take delivery, unpack, test fittings, including installation, materials, connections and LED lamps Note:- All LED tubes are 4000K daylight complete with with <u>electronic ballasts</u> . Type A & D to c/w 3m cabtyre and plug top				
1	Type A				
	Supply	each	36		
	Install	each	36		
2	Type B				
	Supply	each	13		
	Install	each	13		
3	Type D				
	Supply	each	2		
	Install	each	2		
4	Type F				
	Supply	each	1		
	Install	each	1		
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 6: POWER

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	<u>CONDUIT</u>				
	The supply and installation of pvc conduit including cutting, drawboxes and fixing materials cast in concrete, on surface, in roof space, built into brickwork, fitted to trusses et cetera				
1	20mm dia				
	Supply	m	350		
	Install	m	350		
2	25mm dia				
	Supply	m	30		
	Install	m	30		
3	32mm dia				
	Supply	m	5		
	Install	m	5		
	<u>CONDUIT ACCESSORIES</u>				
	The supply of galvanised drawboxes including locknuts, bushes coverplates, fixing materials when required et cetera. Round, shallow back or side entry box for conduit built into walls, in open roof space and on surface average for 1,2,3 and 4 way				
4	Round box for 20mm				
	Supply	No.	20		
	Install	No.	20		
5	Round box for 25mm				
	Supply	No.	5		
	Install	No.	5		
6	Round box for 32mm				
	Supply	No.	2		
	Install	No.	2		
7	Galvanised steel, 100 x 100 x 50mm box for 20mm conduit built into brickwork or cast in concrete. (coverplates measured elsewhere)				
	Supply	No.	25		
	Install	No.	25		
	<u>CONDUCTORS</u>				
	The supply and installation of PVC insulated stranded single core copper conductors drawn into conduits and ducting				
8	4mm ² PVC red and black				
	Supply	m	1100		
	Install	m	1100		
9	2,5mm ² PVC insulated green/yellow earth wire				
	Supply	m	550		
	Install	m	550		
TOTAL CARRIED FOEWARD TO THE NEXT PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 6: POWER

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	<i>Brought Forward</i>				
	<u>EQUIPMENT AND CONTROL</u>				
10	40Amp DP flush mounted isolator with cover plate and cape town cooker plug unit including socket outlet	each	1		
	Supply	each	1		
	Install				
11	30Amp DP weather proof isolator IP65, for hot water solar gysen.	each	1		
	Supply	each	1		
	Install				
12	16A double socket outlet complete with equal handed toggles and cover plates. The toggles must both be up for off and down for on and not of the opposite hand	each	30		
	Supply	each	30		
	Install				
Note	Reminder. Power circuits are 4mm ² PVC conductors with 2.5mm ² earthwire				
Note	Reminder. Power circuits are 4mm ² PVC conductors with 2.5mm ² earthwire				
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 7: LIGHTNING PROTECTION

ITEM	DESCRIPTION	UNIT	QTY	RATE	TENDER AMOUNT
1	Lightning protection system to SANS Code of Practice 10313 as amended used in conjunction with SANS62305 and all other applicable standards. The Contractor to employ lightning protection specialist for the complete supply and installation of the system for all buildings and sports field lighting structures.				
1,1	Risk Analysis by Specialist	Sum	1		
1,2	Design of the system	Sum	1		
1,3	Material: air terminals, down conductors, test joints, inspection boxes, earth termination electrodes and all other ancillary equipment.	Sum	1		
	Supply	Sum	1		
	Install	Sum	1		
1,4	Bonding of reinforcing steel including all the necessary bonding conductors, clamps and all other ancillary equipment necessary to complete the installation.	Sum	1		
1,5	Testing of complete installation in terms of the regulations	Sum	1		
1,6	Provide Certificates of Compliance	Sum	1		
1,7	Provide as-built drawings & documentation	Sum	1		
	Note 1: Contractor to install 25Ø galvanised conduit on every corner of the building from top to bottom and at every 5m intervals for down conductors. These are to be built into the walls, not chased in c/w 100 x 100 waterproof boxes installed 1000mm AFFL which are to be used for testing (test joints). Alternatively, issue a drawing showing these positions.				
	Note 2: Design should be submitted to Engineer before any construction work take place and material to be used must be specified on the design drawings.				
	Note 3: Down conductors not to be installed inside gutters				
	Note 4: LPS earthing must be bonded to the fixed electrical installation				
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 8: SUNDRY ITEMS

ITEM	DESCRIPTION	UNIT	QTY	RATE	TENDER AMOUNT
1	Housekeeping, sundry items, consumable stocks such as circuit beads engraving, labels etc.	Sum	1		
2	Testing of complete installation in terms of the regulations	Each	2		
3	Provide for the earthing of the new buildings to wiring code including provision	Each	2		
4	Provide Certificates of Compliance	Each	2		
5	Provide as installed drawings on disk in Autocad format	Sum	1		
6	Systematic tracing of exisiting electrical installation, including production of as-built drawings for existing system	Sum	1		
7	Temporary power supply for construction works as per main contractor requirements for the duration of the contract.	Sum	1		
8	<u>Dayworks (general)</u>				
	Personnel:				
8,1	- Electrician	hour	1		Rate only
8,2	- Assistant (skilled)	hour	1		Rate only
8,3	- Assistant (unskilled)	hour	1		Rate only
	Travelling:				
8,4	- Small vehicle (van) up to 1 ton capacity	km	1		Rate only
8,5	- Truck (specify capacity below)	km	1		Rate only
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 9: TELEPHONE AND LAN SYSTEM WIREWAYS

ITEM	DESCRIPTION	UNIT	QNTY	RATE	TOTAL AMOUNT
	<u>CONDUIT</u>				
	All conduit and accessories to be plain ended galvanised steel. The supply and installation of conduit including cutting drawboxes and fixing materials cast in concrete, on surface, in roof space, built into brickwork, fitted to trusses et cetera				
1	25mm				
	Supply	m	1		Rate Only
	Install	m	1		Rate Only
	Note:- The whole conduit system must be easily accessible with draw wires as Telkom will not climb into roof space.				
	<u>CONDUIT ACCESSORIES</u>				
	The supply, installation of drawboxes including locknuts, bushes, coverplates, fixing materials.				
2	100 x 100 x 50 galvanised basal drawboxes for 25mm conduit built into brickwork including coverplates				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
3	The supply and installation of galvanised steel draw wires drawn into conduit				
	Supply	m	1		Rate Only
	Install	m	1		Rate Only
	The supply and installation of flush board with soft wood backing architrave and hinged door as specified				
4	450 x 450 x 100mm Telkom board				
	Supply	No.	1		Rate Only
	Install	No.	1		Rate Only
5	600mm x 600mm x 800mm deep manholes for Telkom cables c/w heavy duty manhole covers				
	Supply	No.	1		Rate Only
	Install	No.	1		
	Excavations for cables in trenches (450mm x 450mm x 600mm deep)				
6	Excavate in normal earth	m	1		Rate Only
7	Allow for Soft Rock in above trench	m ³	1		Rate Only
8	Allow for Hard Rock in above trench	m ³	1		Rate Only
9	Allow for earth in above trench	m ³	1		Rate Only
10	Supply and Install 110mmØ sleeve				
	Supply	m	1		Rate Only
	Install	m	1		Rate Only
11	Supply and Install 110mmØ slow bend into Telkom board				
	Supply	No.	1		Rate Only
	Install	No.	1		Rate Only
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
BILL NO. 10: INTERCOM, BELL & PA SYSTEM

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL AMOUNT
	<u>Intercom, Bell and Public Address System</u>				
1	Intercom Master Station as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
2	Bell as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
3	Time Switch as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
4	Substations as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
5	120W power amplifier as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
6	Cordless microphone as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
7	Desktop microphone as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
8	20W horn speakers as specified				
	Supply	each	1		Rate Only
	Install	each	1		Rate Only
14,4	1kVA Uninterruptable power supply	Item	1		Rate Only
11	Compilation of Operation and Maintenance Manuals	No.	1		Rate Only
12	Testing (including all equipment necessary) and Commissioning	No.	1		Rate Only
13	Items left out of Document deemed necessary to complete the installation Description:	No.	1		Rate Only
TOTAL CARRIED FORWARD TO PRICE SUMMARY PAGE					

ECDC SCHOOLS PROGRAM-KWAMATHAMBO SPS
PRICE SUMMARY

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL AMOUNT</u>
Bill No. 1	Preliminary & General	
Bill No. 2	LV Distribution Boards	
Bill No. 3	Mains Cabling & Sub Mains Wiring	
Bill No. 4	General Lighting	
Bill No. 5	Luminaires	
Bill No. 6	Power	
Bill No. 7	Lightning Protection	
Bill No. 8	Sundry Items	
	Provisional Sums (Mechanical)	R 195 000,00
	Provisional Sums (Eskom)	R 350 000,00
Subtotal		
Contingencies		
Subtotal		
VAT (15%)		
TOTAL TENDER PRICE CARRIED OVER TO PART "B" OF THE TENDER DOCUMENTS (INCLUDING VAT)		

NAME OF FIRM:

TENDERER'S SIGNATURE

NAME IN PRINT

ADDRESS

.....

.....

DATE

TEL. NO.

FAX NO.

FINAL SUMMARY

Section No.		Page	
	FINAL SUMMARY		
1	PRELIMINARIES	35	
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3	SUPERSTRUCTURE	101	
4	EXTERNAL WORKS (PROVISIONAL)	153	
5	PROVISIONAL SUMS	159	
6	ELECTRICAL INSTALLATION (PROVISIONAL)	PART B	
	ADD: CONTINGENCIES		
	Allow the amount of R700 000.00 (Seven Hundred Thousand Rands) for contingencies, to be used by the Architect in terms of Clause 17 of the Principal Building Agreement		700 000 00
	Allow (%) for VAT on the above subtotal 15%		
	Carried to Tender		
	FINAL SUMMARY		

INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

C3 Scope of Work

1 DESCRIPTION OF THE WORKS

1.1 Employer's objectives

The employer's objective is to provide:

An Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

1.2 Overview of the works

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

1.3 Extent of the works

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

1.4 Location of the works

The designated site to be shown to the contractor is at KwaMatambo Senior Primary School, in **Lusikisiki, Ingquza Hill, OR Tambo District, EASTERN PROVINCE**

Temporary works

To be communicated to the winning bidder before construction commences

2 DRAWINGS

The drawings used for setting up the Bills of Quantities are attached on a compact disc at the back of this tender document.

- **Architectural drawings**

Three (3) sets to be provided to the successful tenderer at site hand over

3 PROCUREMENT

3.1 Preferential procurement procedures

The works shall be executed in accordance with the conditions attached to preferences granted in accordance with the preferencing schedule.

3.1.1 Requirements for the sourcing and engagement of labour.

3.1.1.1 Labour required for the execution of all labour intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

3.1.1.2 The rate of pay set for this project is as follows:

Description	Daily wage for 8 hour work day (Minimum)	Important Note to Bidders
Unskilled labour	R 120.00	NB: Bidders are to check and verify rates used in the area during compulsory briefing or before submitting bid document.
Semi-skilled labour	R 160-00	
Skilled labour	R 190-00	
Supervisor	R 230-00	

3.1.1.3 Tasks established by the contractor must be such that:

- a) the average worker completes 5 tasks per week in 40 hours or less; and
- b) the weakest worker completes 5 tasks per week in 55 hours or less.

3.1.1.4 The contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of 3.1.1.3.

3.1.1.5 The Contractor shall, through all available community structures, inform the local community of the labour intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and / or who come from households:

- a) where the head of the household has less than a primary school education;
- b) that have less than one full time person earning an income;
- c) where subsistence agriculture is the source of income;
- d) those who are not in receipt of any social security pension income

3.1.1.6 The Contractor shall endeavor to ensure that the expenditure on the employment of temporary workers is in the following proportions:

- a) 25 % women;
- b) 50% youth who are between the ages of 18 and 25; and
- c) 2% on persons with disabilities.

3.1.2 Specific provisions pertaining to SANS 1914-5

3.1.2.1 Definitions

3.1.2.1.1 Targeted labour: Unemployed persons who are employed as local labour on the project.

3.1.2.2 Contract Participation Goal

3.1.2.2.1 The minimum Contract Participation Goal applicable to the Contract is 30%.

3.1.2.2.2 The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes. The Person / days will be calculated in accordance with Addendum F: Contract Person / Days Calculation Format.

3.1.2.3 Terms and conditions for the engagement of targeted labour

3.1.2.3.1 Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts to be signed between the Contractor and workers will be in accordance with the pro-forma contract, attached as Addendum D.

3.1.2.3.2 Further to the provisions of clause 5.2 of SANS 1914-5, the Contractor will use the pro-forma attendance register, attached as Addendum E, to record the required information as per said clause.

3.1.2.4 Variations to the SANS 1914-5

None

3.1.2.5 Training of targeted labour

3.1.2.5.1 The Employer will appoint a service provider that will provide training to the workers. The Contractor need not to provide for payment of said service provider.

3.1.2.5.2 Workers will receive 2 days training per every 22 working days for the duration of the Contract.

3.1.2.5.3 An allowance equal to 100% of the task rate or daily rate shall be paid by the Contractor to workers who attend training, in terms of 3.1.2.5.

3.1.2.5.4 Records pertaining to the attendance, progress and performance of trainees will be kept by the Contractor and made available to the Employer monthly. These records shall be attached to the monthly progress payment certificates to the Employer.

3.1.2.5.5 The Contractor shall do nothing to dissuade targeted labour from participating in training programmes.

3.2 Subcontracting

3.2.1 Scope of mandatory subcontract work

As per the mandatory sub-contracting clause, the Contractor must not sub-contract more than 30% of work to Domestic Sub-contractors.

The Contractor shall without delay enter into contracts with the Domestic Subcontractors as submitted on the returnable schedule and forward a copy of these agreements to the Principal Agent. The Contractor shall remain responsible for providing the subcontracted portion of the works as if the work had not been subcontracted.

The Contractor to take note of item 3.2.2 below

3.2.2 Preferred subcontractors / suppliers

3.2.3 Subcontracting procedures

See items 3.2.1 and 3.2.2 as well as tender data

3.2.4 Attendance on subcontractors

Attendance to Domestic Sub-contractors as stated above should be priced under the relevant items in the Preliminaries section of the bills of quantities. Attendance to nominated sub-contractors should be priced under the relevant items in the Provisional Sums section of the bills of quantities.

4. MANAGEMENT

4.1 Recording of weather

The Contractor shall erect an effective rainfall gauge on the site and record the daily rainfall figures in a book. Such book shall be handed to the employer's representative for his signature no later than 12 days after rain that is considered to justify an extension of time occurs.

4.2 Unauthorized persons

The Contractor shall keep unauthorized persons from the works at all times. Under no circumstances may any person except guards be allowed to sleep on the building site.

4.3 Management meetings

The Employer's Representative and the Contractor shall hold meetings relating to the progress of the works at regular intervals and at other such times as may be necessary. The Contractor shall attend all site meetings and shall ensure that all persons under his jurisdiction are notified timeously of all site meetings should the Employer's Representative require their attendance at such meetings.

The Contractor shall keep on site a set of minutes of all site meetings, daily records of resources (people and equipment employed), a site instruction book, a complete set of contract working drawings and a copy of the procurement document and make these available at all reasonable times to all persons concerned with the contract.

4.4 Forms for contract administration

The Contractor shall be required to submit an updated contractor monthly report during site meetings, which will be used by the consultant to update the client.

4.5 Payment certificates

The Contractor to ensure that the VAT invoice required with each certificate is delivered timeously. The date of the certificate will be that of the date when the certificate is received by the consultant.

The Contractor to ensure timeous submission of all required documentation for the expedient processing of payment certificates, as required by the client, eg BAS entity forms, company registration details, VAT clearance certificates, etc. The Contractor is responsible for such documentation submission.

4.6 Addenda

- 4.6.1 Occupational Health and Safety Regulations (*ADDENDUM A*)
- 4.6.2 Standard Occupational Health and Safety Specification (*ADDENDUM B*)
- 4.6.3 Environmental Management Plan (*ADDENDUM C*) (will be made available to the successful bidder)
- 4.6.4 Pro-forma contract between Contractor and Worker (*ADDENDUM D*)
- 4.6.5 Pro-forma Attendance Register (*ADDENDUM E*)
- 4.6.6 Contract Person / Days Calculation Format (*ADDENDUM F*)
- 4.6.7 Contractor monthly report format (see 4.4 above) also available in electronic format (*ADDENDUM G*)
- 4.6.8 Guidelines for the implementation of labour-intensive infrastructure projects under the Expanded Public Works Programme (*ADDENDUM H*) (available on the following *website* www.epwp.gov.za)
- 4.6.9 Drawings (*ADDENDUM I*)
- 4.6.10 IDT Addendum to the JBCC (*ADDENDUM J*)

C3.1 HEALTH AND SAFETY SPECIFICATION

PROJECT SPECIFIC OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

FOR

**GENERAL BUILDING
MANAGED ON BEHALF OF
INDEPENDENT DEVELOPMENT TRUST**

(THE “CLIENT”)

PREPARED BY:

**SHEHAWK CONSULTANTS CC IN ASSISTANCE TO BAUTURN
CONSULTING**



PROJECT:

**CONSTRUCTION OF
KWAMATAMBO JS SCHOOL**

KEY ROLE PLAYERS

Client	INDEPENDENT DEVELOPMENT TRUST
Contact	TBA
Contact Number:	TBA
Email address:	<u>TBA</u>

Client's Agent	ORSMOND LANGE ARCHITECTS
Contact	Mr David Curry
Contact Number:	031 266 0750
Email address:	<u>davidc@o-l.co.za</u>

Health & Safety Agent	SHEHAWK CONSULTANTS CC
Contact	Barinda Gretton
Contact Number:	082 460 9891
Email address:	<u>Barinda@shehawk.co.za</u>

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ANNEXURE A: CLOSE OUT REQUIREMENTS

ANNEXURE B: NON-CONFORMANCES

ANNEXURE C: CONTRACTORS MONTHLY HEALTH AND SAFETY REPORT

PROJECT SPECIFIC OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

LIST OF ABBREVIATIONS

AIA	Approved Inspection Authority
BoQ	Bill of Quantities
CC	Compensation Commissioner
CHS	Construction Health and Safety
CHSA	Construction Health and Safety Agent
CHSO	Construction Health and Safety Officer
CR	Construction Regulations (Gazette 10113 of 07/02/2014)
DMR	Driven Machinery Regulations
DoL	Department of Labour
FEMA	Federated Employers Mutual Association
GAR	General Administration Regulations
GSR	General Safety Regulations
HCSR	Hazardous Chemical Substances Regulations
HIRA	Hazard Identification Risk Assessment
H&S	Health and Safety
OH	Occupational Health
OHS	Occupational Health and Safety
OHS Act	Occupational Health and Safety Act No. 85 of 1993 (as amended)
OHSS	Occupational Health and Safety Specification
PA	Principal Agent
PSHSS	Project Specific Health and Safety Specification
PC	Principal Contractor
PPE	Personal Protective Equipment
SANS	South African National Standards (Authority)
SDS	Safety Data Sheet
SMME	Small, Micro, Medium Enterprise
SWP	Safe Work Procedure
VUP	Pressure Vessels Regulation

DEFINITIONS

The definitions used will be those set out in the Regulation Gazette No 84 of 2014 7 February 2014 with the following additions:

Client: **INDEPENDENT DEVELOPMENT TRUST**

Construction Health and Safety Agent:

A competent person appointed by the Client to carry out the duties of the Client in respect of Occupational Health and Safety on the Project in terms of Regulation 5 sub regs (5) and / or (6)

Designer: Means a competent person appointed by the Client as Agent to design, supervise and monitor construction on their behalf.

Hazard: Source of exposure to danger

Hazard Identification and Risk Assessment (HIRA) and Risk Control:

Means a documented plan, which identifies hazards, assesses the risks and details the control measures and safe working procedures which are to be used to mitigate and control the occurrence of hazards and risks during construction or operation phases.

Health and Safety Agent:

Means any person who acts as a representative for the Client in managing the overall health and safety work as their responsible person.

Health and Safety Plan:

Means a documented plan which answers to the Site-Specific Health and Safety Specification; including all the supporting documentation that indicate how the Principal Contractor or Contractor plans to manage H&S for the duration of the Contract.

Induction Training:

Means once off introductory training on general health and safety issues given to all employees and visitors to the site before commencement of work on site.

Principal Agent:

Means a competent person appointed by the Client to design, supervise and monitor the construction on their behalf.

Risk:

Means the probability or likelihood that a hazard can result in injury or damage.

Regulation/s:

Shall mean the relevant regulation/s promulgated in terms of the Occupational Health and Safety Act, No. 85 of 1993.

Site:

Means the area in the possession of the Principal Contractor for the construction of the works. Where there is no demarcated boundary it will include all adjacent areas, which are reasonably required for the activities for the Principal Contractor, and approved for such use by the Designer.

The Act:

Means, unless the context indicates otherwise, the Occupational Health and Safety Act, No. 85 of 1993 and Regulations promulgated thereunder, as amended

KEY REFERENCES

Occupational Health and Safety Act No. 85 of 1993 and Regulations (as amended)

Compensation for Injury and Occupational Diseases Act No. 100 of 1993 (as amended)

Joint Building Conditions of Contract (JBCC)

Construction Specifications & Standards 6.0 for Southern Africa. Hans Wegelin 6th Edition 2010

SANS Code 10400.

SCOPE OF WORK: KWAMATAMBO JS SCHOOL

These specifications are applicable to the specific scope of work pertaining to the above-mentioned project as detailed in the tender documents.

1. PREAMBLE

Each year fatalities, serious injuries and poor attitudes of Contractors mar the reputation of the Construction Industry. The Client has a responsibility to limit its risk by ensuring a zero tolerance and better practice approach to Contractors and those affiliated to a particular project. Thus a high premium is placed on the health and safety (H&S) of the Client's stakeholders, which include its employees, professional service providers, public and its physical assets. The responsibilities that the Client and relevant stakeholders have toward its employees are captured in, but not limited to this document. The responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

INDEPENDANT DEVELOPMENT TRUST , as the Client and the appointed CHS Agent SHEHAWK Consultants CC on its behalf, shall provide a project specific Health & Safety Specification (PSHSS) for the project and provide the Principal Contractor/s making a bid or appointed to perform construction work for the project, or parts thereof.

1.1 Purpose of the Project Specific Health and Safety Specification (PSHSS)

The PSHSS is a performance specification to ensure that the Client and any bodies that enter into formal agreements with the Client viz. Agents, Professional Service Consultants (Architects), Principal Contractors and Contractors achieve an acceptable level of OHS performance. No advice, approval of any document required by the PSHSS, such as hazard identification and risk assessments, or any other form of communication from the Client shall be construed as acceptance by the Client of any obligation that absolves the Principal Contractor from achieving the required level of performance and compliance with legal requirements. Furthermore, there is no acceptance of liability by the Client, which may result from the Principal Contractor failing to comply with the PSHSS, i.e. the Principal Contractor remains responsible for achieving the required performance levels.

A Mandatory Agreement in terms of Section 37.2 of the OHSA will be signed between parties prior to any works commencing.

The PSHSS highlights the aspects to be implemented over and above the minimum requirements of current legislation. Requirements may be changed should new risks or issues are identified that could not have been foreseen during the design phase of the project, or during the construction phase. Any new legislation or standards (legislated, or determined by the Client) that are promulgated or accepted during the contract will automatically be applied.

Environmental management shall receive due attention as per the requirements of the Environmental Control Officer (ECO), but will be managed by the ECO directly.

It should be noted that this OHSS in no way relieves the Contractor of any of his responsibilities set out in the Act and Regulations

1.2 Implementation of the Project Specific Occupational Health and Safety Specifications (PSHSS)

The project specific H&S specification (PSHSS) forms an integral part of the Contract, and PCs are required to make it an integral part of their Contracts with Contractors and Suppliers. A PSHSS will be available for each level of Contract and Contractor, and must be complied with.

This specification must be read in conjunction with the OHSA, Regulations (as amended) and any other standards relating to work being done, and ensure compliance thereto. The information relative to the scope of the project, the works etc. are detailed in the tender, are to be considered when developing the H&S plan and associated documentation. The summary of risks is included in Section 2 of the PSHSS.

The OHSA S.37.2 Mandatory Agreement must be fully completed by the PC, supplied by the Client. These documents shall be deemed to form part of the returnable Contract Documents.

No work may commence without written approval of the H&S plan by the Health and Safety Agent – SHEHAWK Consultants CC.

Should there be design changes, or change in the scope of works, an amended PSHSS may be issued. Where amended PSHSSs are issued, the PC will be required to ensure a resubmission of an amended H&S plan for approval. Further to this, the PC must ensure that similar information must be provided as it applies to the works to all their Contractors, within 5 working days following notification thereof. Such design changes.

The CHS Agent SHEHAWK Consultants CC will visit the project as deemed necessary, the Client to ensure compliance and limit risk. All activities on the site and all appropriate documentation will be monitored and reported on to the Client and the Designer.

Non-conformances will be issued and penalties or work stoppage will be issued where appropriate. Communication between the CHS Agent and the PC will be through the Designer (or Client's responsible person) as determined at the commencement of the project.

1.3 Requirements at Tender Stage

Tenderers are required to submit a project specific pre-tender H&S plan with their Tender submission. The documentation submitted will be used to assess the competence of the tenderer, as required in the CRs, therefore the information submitted needs to be complete and as close as possible to the final product. Failure to achieve the required score will render the tender non-responsive.

Adequate pricing for H&S is required, and the appropriate section in the BoQ is to be completed. Failure to do so could result in the Tender being regarded as non-responsive.

The PC shall ensure adequate information is submitted as supporting documentation with his completed Tender. Such information will be assessed against the criteria listed. Failure to provide such information could render the tender application non-responsive.

A project specific H&S Plan in response to this PSHSS will be subject to approval by the CHS Agent. This must include all supporting documentation as required to verify the H&S system:

- A declaration to the effect that he has the competence and necessary resources to carry out the work safely in compliance with the Occupational Health and Safety Act and its Regulations;
- A valid Letter of Good Standing;
- Incident Investigation Reports for other projects of a similar nature undertaken by the tenderer
- Claims ratio receipt from FEM or the Compensation Commissioner for the previous review period;
- Detailed technical method statements for approval by the Designer and appropriate risk assessments and safe work procedures for approval by SHEHAWK Consultants CC or the Client.
 - Site establishment including:
 - Clearing and grubbing;
 - Exposure of services, power, telecommunication etc.;
 - Arrangements for hoarding;
 - Dealing with existing structures, especially the stability of existing structures and identifying the possible risks
 - Demolishing parts of existing structure;
 - Excavating
 - Access Control
 - Welding Work
 - An emergency plan indicating how and where emergencies will be handled
 - Working at heights
 - Installation of Electrical Components
 - Installation of Gas Components
 - Plumbing and relevant activities

Further method statements are to be submitted prior to, and during the project where changes or new work is required, and the approval of the Designer/ the Client is required before work on that aspect or activity can commence. The CHS Officer is to be included in production planning sessions/meetings to ensure that the appropriate risk assessments, safe work procedures and communication required are available and completed timeously.

2. GENERAL REQUIREMENTS

2.1 Summary of Risks identified during Design

The intention of the summary of findings from the design risk assessment is to highlight the residual risks identified during the design phase. The full design risk assessment can be found in the tender document.

The summary of risks provided is to point the contractor towards some risks he may not be aware of during tendering stage and while developing his formal risk assessments for the project.

The design risks and the management thereof should be included in the Principal Contractors (PC) risk assessments. Where there are other Contractors appointed to do work, the PC is to ensure that Contractors include such information in their risk assessments.

The summary is to be developed following the completion of the Design risk assessment, and to include the residual risks as they apply to the project. The items noted are for information only and must be expanded on as required by the project.

ACTIVITY	HAZARD
Site establishment	Incorrect equipment, haphazard congestion
Roof works	Falling from heights Materials falling from heights
Scaffolding	Personnel falling Equipment falling Structure collapse
Handling of material	Removing articles from delivery truck Waste material Incorrect storage of material
Ladders	Falling off ladders
Labor work on wet surfaces	Falling off or through elevated structures
Perform work outdoors in windy conditions	Falling off or through elevated structures
Storage of material and equipment	Cluttered and congested work areas due to poor/bad housekeeping
Waste	Accumulation of waste on site Poor/bad housekeeping
Site security after hours	Members of public entering the site after hours
Delivery of material Movement of construction plant and vehicles	Inadequate traffic control School children can enter
Working at heights	Inadequate fall arrest equipment
Barricading/ hording	School children, animals and members of the public can enter the construction site.
Plant and vehicles	Personnel struck by School children struck by Property damage
Site Office	Delivery with crane, no load test, no competency,
Demolition	Collapse of building or part of the building
Gas Installation	Explosions
ACTIVITY	HAZARD
Electrical Installations	Electrical Shocks
Plumbing	Possible exposure to Hazardous Material

2.2 Specified Hazardous Chemical Substances

The following lists of products or substances are those which have been identified as likely to be used on the project. This list is not inclusive and other products may be considered. Where the PC is likely to supply the product as the product has not been specified, materials data sheets (MDSs) need to be considered prior to all selections.

PRODUCT	POTENTIAL HEALTH OR OTHER RISKS
Cement	Hand mixing may occur, will be used for structures, stabilizing. 50kg bags delivered on pallets, ergonomic risk from handling, dust exposure, chromates. Eye, skin and respiratory irritant
Shutter Oil	Usually hand application prior to placing formwork in position. Volatiles present. Skin and respiratory irritant.
Retro-reflective Road paint	High levels of volatiles, Products have narcotic effect
Lime	Dust, eye and respiratory irritation
Petrol/diesel/lubricants	Storage tanks/ bowzers on site. Fire, spillage, fumes
Superphosphate fertilizers	Eye, respiratory and skin irritant
Limestone ammonium nitrate fertilizer (LAN)	Prolonged skin or eye contact could cause irritation. Explosive and will release toxic fumes if heated
Formula 2:3:2 fertilizer	Prolonged skin or eye contact could cause irritation. Explosive and will release toxic fumes if heated.
Creosote (pre-treated poles)	Eye and skin irritation and minor burns, carcinogen
Herbicides and ant poison	Type not specified, but will be used. Principal Contractor to ensure use of SDSs and appropriate protection measures
Epoxies and epoxy resins	Type not specified, but will be used. Principal Contractor to ensure use of SDSs and appropriate protection measures
Coatings	Type not specified, but will be used. Principal Contractor to ensure use of SDSs and appropriate protection measures
Grouts	Will be determined by the Principal Contractor; various grouts will be required, cementitious or other, may contain silica (crystalline - quartz), hexavalent chromium, respiratory, skin and eye irritant

3. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

3.1 Structure and Organization of H&S Responsibilities

3.1.1 Permit Application

The Client shall submit a Permit Application to the Provincial Director of the Department of Labour (DoL) in writing.. This shall occur after award of the contract, but before commencement of construction work. **Proof of submission and/or receipt must be provided and kept in the H&S file.**

Work will not commence without the Permit being approved

4. HEALTH AND SAFETY PLAN FRAMEWORK

The H&S aspects related to the project outlined in the previous sections are to be taken into account when drawing up the H&S Plan. The PC is required to demonstrate competence by providing an H&S system that will address the requirements of the project.

The current legislative requirements, SANS codes, SANS 10400 and any other standards that may guide practice are to be taken into consideration. The following aspects must be addressed in the H&S Plan, as they have been identified in section 2, as playing a role in reducing the overall risk of a particular activity, or section of the project. The CHS Agent may from time to time request additions or systems as they relate to the works or legislative requirements at the time.

The PC is to prepare a site layout drawing to indicate at least the following:

- The positions of site offices of all Contractors, toilets, drinking water and worker rest areas;
- Indicate the positions of emergency personnel and equipment (fire, first aiders, first aid posts);
- Protection of plant and pedestrians, indicate parking, and
- Storage areas (materials and equipment, waste etc.)
- Access and egress to site for deliveries and intended temporary traffic management
- Emergency assembly point

Such layouts are to be updated regularly throughout the project.

4.1 Appointment of Competent Site Personnel

The CEO (OHSA S16.1) of the PC will take overall responsibility for the appointment of competent site staff for the duration of the project. Should the CEO not be personally involved in the project, the H&S responsibilities are to be delegated to the Site Agent (OHSA 16.2). Knowledge and training in H&S is required, and certificates indicating H&S training as well as experience to be included in CVs.

All other legal appointments are to be made with relevance to the type of work required and kept current with the project programme. The construction team is to ensure the appointed CHS Officer is kept up to date with all planned activities, to ensure all H&S requirements are met.

All construction/technical method statements are to be generated by senior site personnel, and the appropriate risk assessments developed therefrom in conjunction with the CHS Officer.

The Occupational Health and Safety Plan shall include the following, but is not limited to the following key appointments:

4.1.1 Construction Supervision

Competent Construction Managers (CR8.1) will be appointed to manage part or all of the works and have training and/or experience in the area of responsibility. All site supervisors must show evidence of appropriate training in H&S, and an understanding or training in areas of responsibility (i.e. risk assessments, method statements etc.).

Multiple competent Assistant Construction Managers (CR8.2) may be appointed where justified by the scope and complexity of the works.

Curriculum Vitae (CVs) are to be submitted for approval by the Designer, and/or Client. The Supervisor will be held responsible for the safety of working teams and subordinates, housekeeping and stacking and storage of materials.

4.1.2 Construction Health and Safety Officer

The PC will employ at least one competent, full-time CHS Officer (CR8.5) for the duration of the contract. The CHS Officer's CV is to be submitted for approval by the CHS Agent or the Client, at time of tender. The PC is to ensure adequate resources are provided in order to undertake all responsibilities (i.e. mobile phone, computer and internet access, vehicle etc.) Qualifications shall include at least Grade 12 SAMTRAC/NEBOSH/Diploma in H&S qualifications or similar, with exposure to civil engineering and building that is appropriate given the level of project complexity preferably in an OHS capacity. He should also have undergone training in the Act and Regulations. In the case of a

contract where contractors are employed, the CHS Officer must have a competence to evaluate the Contractors Health and Safety plans.

If proof of registration as a Construction Health and Safety Officer with SACPCMP is supplied, the above requirements will not be required.

This person may not hold any other position on the site staff.

The site supervisor may not act as the CHS Officer.

The CHS Officer/s will be held responsible for all H&S on the project.

- Senior site staff and supervision, Contractors are to follow systems, instructions etc. given by the CHS Officer at all times;
- No new workers or Contractors may commence work without approval or following the H&S plan as submitted, and
- No inductions of Contractor staff until the H&S documentation is approved by the CHS Officer.
- The CHS Officer/s may not be removed or replaced without the approval of the CHS Agent, nor may the site be left unattended for more than 1 day without adequate, competent cover.

A monthly report of all H&S activities and incidents is required by the end of the first week of each month, or at a date agreed to by the CHS Agent/Client and the CHS Officer. An example of the monthly report is attached as an Annexure D.

The CHS Officer will be responsible for collating the H&S documentation at the close out of the project in electronic format. A list of the typical aspects that should be provided is available as Annexure B to this document. The PC is to ensure that all Contractors documentation follows the same requirements and closed out H&S documentation must be completed and be available with the close out of the main contract.

4.1.3 Traffic Safety

The CHS Officer will be responsible for ensuring that daily traffic management is adequately managed.

No worker may be transported in, or on the rear of construction vehicles (bakkies included), or with plant and materials to, on, or from site. The number of passengers in any vehicle is limited to what is stated on the license disc. Vehicles used to transport workers to, from, or on site, shall have secure seats and be covered. No canopies may be used.

Tenderers must indicate in their OHS plans what type of transport is envisaged and how this will be managed.

Where there is an interface between the works and any public thoroughfare, typical traffic accommodation drawings will be provided by the Designer for general traffic management. The PC is to draw up a traffic accommodation plan for approval by the Designer. The standards of the SARTSM Ch. 13 Vol. 2 will be used. Any changes suggested, or required are to be discussed and approved by the Designer or OHS Agent. Additional care must be taken where workers and public interface.

4.2 Health and Safety Representatives and H&S meetings

H&S Representatives representing workers and Contractors are to be appointed following the startup of the project, irrespective of the number of workers on site. The appointed H&S Representatives are to be actively involved with H&S and will assist the CHS Officer and site management in meeting legislative duties.

The CHS Officer shall further ensure that H&S is discussed at all internal production, progress and H&S Committee meetings. Issues arising from the CHS Agent audits are to be discussed, as well as all H&S related issues.

Minutes are to be kept for all H&S interventions and meetings. Failure to do so will be deemed to be a moderate offence.

4.3 Appointment of Competent Contractors

The Principal Contractor is to ensure compliance with the Client's minimum standards and all legislative requirements. The same H&S standards required of the PC are to be applied to all Contractors. An index of all Contractors and Suppliers is to be on file and kept updated at all times. The PC is to ensure there is sufficient funding for H&S compliance by each Contractor.

The following minimum aspects are applicable to any Contractor appointed:

- The CHS Officer is to ensure a Contractors appointment and approval of H&S documentation at least seven (7) working days prior to commencing work.
- No Contractor may work under the PC's Compensation registration number. If required the PC may assist SMMEs with their registration with the Compensation Commissioner. However, such Contractors will not be able to commence work until proof of registration or Letter of Good Standing has been received.
- No work may commence without Mandatory agreements between parties in place.

The following aspects are applicable to Suppliers or short-term works (surveying, repairs, servicing, deliveries etc.). Cognisance is to be taken of the level of risk involved and the CHS Officer is to ensure the level of H&S documentation is appropriate:

- Mandatory agreements in place
- Legal Appointments
- Proof of Competence
- Letter of Good Standing
- Method statements and risk assessments
- Available information relative to:
 - Load testing and registers for cranes or lifting devices
 - Medical certificates of fitness
 - Safety data sheets (SDSs)

Failure to provide written approval of H&S documentation will be considered a serious offense, and could result in aspects of, or all the activities being stopped.

5. GENERAL RISK MANAGEMENT

5.1 Health Risks and Medical Surveillance

As some products use in the building work have not been identified, the PC is to ensure the CHS Officer and all supervision is responsible for ensuring the safe use of such products, and their inclusion into method statements and risk assessment. The appropriate SDSs are to be obtained for all products and used to develop the H&S documentation as they relate to the works.

Many of the processes may be labour intensive and ergonomic risks are to be noted. All workers (including Contractors) are to be included in the medical surveillance programme.

Workers will be exposed to noise, dust, and physical risks from extended periods of work of a repetitive nature, materials specified and the general nature of the works.

Environmental monitoring results and risk assessments are to be made available to the occupational health professionals doing the medical surveillance. The use of occupational risk exposure profiling (OREPS) and job descriptions are to be used to determine specific exposures for management.

All permanent workers (including those of Contractors) are required to be in possession of a medical certificate of fitness prior to commencing work.

Medical surveillance will commence at pre-employment. All workers (including Contractors) are required to be in possession of a medical certificate of fitness prior to commencing work. Annual medical surveillance is required (unless identified as being required more frequently), as well as an exit medical. Arrangements for keeping medical records for the required time are to be noted. It is preferable that the PC has a medical surveillance plan. Full medical records are not to be placed in the H&S file. A procedure for managing the medical records which require safekeeping for prescribed periods are to be addressed

Given the potential health risks the following aspects are to be included in each medical surveillance intervention:

- Full medical, surgical and occupational history;
- Full physical examination of all systems; and
- Referral if required for the management of identified health issues that may affect the worker.

Specific testing for existing conditions and limitations relative to exposure could include, but are not limited to:

- Audiometry (hearing tests); and
- Any other tests identified as relevant from chemical or specifically identified risks of exposure

Failure to do so will be considered a serious offence.

5.1.1 General Environmental Conditions

Compliance with the Environmental Regulations (as amended), among others is required. Environmental monitoring of ventilation, lighting and dusts may be deemed to be required by the Approved Inspection Authority used to measure the environment. Copies of the relevant reports and actions taken in respect of these are to be placed in the H&S file.

Testing and reporting for airborne silica as required by the 2008 amendment to the HCS Regulations is required.

5.1.2 Noise Risks

All plant from plant hire companies (suppliers) or that of the PC is to be compliant with the Noise Induced Hearing Loss Regulations. Plant identified that has not been tested and marked for noise emissions will result in having to be tested at the Contractors or PCs expense. Failure to do so within a reasonable time period will result in such plant being removed from site.

Works executed after 5pm to 8am weekdays, work over weekends and public holidays shall be agreed with the Principal Agent prior to commencement. Noise to be kept at a minimum during normal working / School hours.

Audiometric testing of all workers is noted as required in the medical surveillance programme for all permanent workers prior to work commencing. Temporary labour working in identified noise areas will require testing if the noise levels are indicated on plant or through processes as greater than 85dB. Audiometry records are to be available in the H&S file.

Suitable SANS approved hearing protective equipment shall be issued and worn. Where several items of construction plant are in operation at or near to each other, the noise zone for the combined plant should be established and suitable hearing protective equipment used within this zone

5.2 Emergency Procedures

An emergency plan and procedure that is appropriate to the risks is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow. The plan may be adapted should new information or risks are identified.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

- Appointment of a competent emergency response co-ordinator
 - Fire;
 - Public injury, Motor vehicle accidents;
 - Falls from heights;
 - Serious injury to workers (medical or work-related); and
 - Any other major risks identified during risk assessments
 - Collapse of Structures
 - Gas Installation and risks relevant to the activity
 - Electrification

The emergency plan is to ensure the inclusion of local service providers where possible. Such arrangements should be made with these persons prior to the commencement of the project.

Local emergency telephone numbers must be displayed and made part of the emergency procedure.

The general principals of emergency management are to be applied as it applies to the hierarchy of control and management.

5.2.1 First Aiders and First Aid Equipment

At least 1 first aider will be trained to Level 2. First aiders shall be available and accessible on site at all times, and be able to work as a team when responding to any emergency on the project.

Contractors are expected to ensure compliance and provide/manage their own first aiders and equipment. The number of First aiders will be determined by the complexity and exposed risks of the project, not numbers of workers

Appropriately stocked first aid kits, at least to the requirements of the Annexure to the GAR, are to be available at all times to assure continual availability and access on site.

5.2.2 Fires and Emergency Management

Attention to emergency planning and procedures is very important. The full emergency plan must form part of the supporting documentation with the H&S Plan. The CHS Agents approval of all emergency plans and procedures is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow. The plan may be adapted should new information or risks are identified.

First aiders shall be available in each working team, and be able to work as a team when responding to any emergency on the project.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

Appointment of a competent emergency response co-ordinator and wardens;

- Lists of first aiders, and
- Requirement in terms of identified risks:
 - Fire;
 - Explosions;
 - Falls from heights, and
 - Motor vehicle accidents.

The emergency plan is to ensure the inclusion of local service providers where possible. Such arrangements should be made with these persons prior to the commencement of the project.

The emergency plan is to include the risk of fire on site and related to any specific activities where gas, welding, cutting etc. occur.

Fire extinguishers will be appropriate for the risk and in sufficient numbers to deal with the type of fires that could occur. All mobile plant is to have appropriate, accessible fire extinguishers. Hot work permits are required for any such activities.

5.2.3 Incident Management and Compensation Claims

All incidents and accidents are to be investigated. All serious incidents involving any form of disabling injury or fatality are to be reported to the Designer /Client /CHS Agent immediately. This shall be confirmed in writing following the incident. Full details are to be included in each site meeting or when the Client visits site. A summary of incidents is to be included in the monthly report.

Failure to comply with emergency provisions will be considered a serious offence, and the operation or project may be stopped if deemed inadequate for the work at the time of assessment or site inspection.

The Client views the reporting of near misses as a critical component in creating a positive health and safety awareness culture on site. The Client retains the right to enforce the reporting of near misses within 24 hours of occurrence.

5.3 Personal Protective Equipment (PPE) and Clothing

The PC is to provide a procedure as an addendum to indicate how PPE is managed within the Company.

The wearing of the identified SANS approved PPE at all times is non-negotiable. The PC shall ensure that all workers (Including Contractors) are issued with and shall wear:

- Hard hats;
- Protective footwear;
- Overalls that ensure worker visibility.
- Eye protection (if required)
- Hearing protection;
- Reflective jackets (no bibs)
- Respiratory protection (minimum of FF2), and
- Any other necessary PPE identified from SDSs and/or risk assessments.

Adequate quantities of PPE shall be available. This shall include necessary PPE for visitors. The procedures for managing PPE are to be in a formal procedure submitted with the H&S plan for approval.

Any person (including Client, Designers etc.) found on site without the necessary PPE will be removed from site until the PPE is supplied and worn.

Failure to comply will result in penalties being applied.

5.4 Occupational Health and Safety Signage

On-site H&S signage is required. Signage shall be posted up at fixed or temporary working areas, or other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations or SANS requirements as amended. Signage is to be noted on the site drawings indicating where fixed/temporary signage is required.

Temporary signage is to include (but not be limited to) the following:

- 'Report to site office' / 'Warning: Construction Site – Keep out' or similar;
- 'Site office' (if relevant);
- 'hard hat area' or other PPE requirements noted;
- First aid box positions (including vehicles); and
- Fire extinguishers.
- Assembly Area

Signs shall be posted at areas of work on site indicating that a construction site is being entered and that persons should take note of H&S requirements.

Note should be taken that "omnibus" signs indicating that the entire site requires PPE should not be used. Any areas where PPE is mandatory must be separately signed.

Failure to comply will result in penalties being applied.

5.5 Induction of Employees and Visitors, General H&S Training

5.5.1 Induction Training

A simple, formal induction programme is to be submitted as an addendum for approval with the H&S plan. Inductions must be carried out for all workers and visitors (including the Client/Designers) to the site.

Pre-task training is required to ensure workers are familiar with the risks and H&S measures of the work or tasks to be done. Such training is to be done at least daily. Records of inductions and pre-task training are to be kept in the H&S file.

All training must be closely aligned with the risk profile of the project; procedures must be in place to ensure that all workers are aware of the consequences of their work activities and benefits of improved H&S performance.

Any person found on site without proof of induction in the H&S File will be removed from site until the proof is supplied and, a penalty issued per non-compliance.

5.5.2 General Health and Safety Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training.

Training for all employees dealing with HIV & Aids and other related diseases record of training to be kept in the Health and Safety File.

5.6 Management of Construction Vehicles, Mobile Plant and Equipment

Close control of plant and equipment is required, including that of Contractors.

Daily monitoring of all plant and equipment is required prior to commencing work. Full lists of hired and own plant are to be available at the CHS Agent's/ Client audit. All daily inspection records are to be kept in the H&S file. Plant Hire and Haulage Contractors are to comply with the requirements where plant and equipment is brought onto site. Registers are not to be more than 1 week behind

Only competent, fit plant operators are to be used. Medical certificates of fitness are required for all operators. Any plant or slings used to lift plant or material require annual load testing by an AIA, and all certificates must have the testers LMI/E number. Operators are to be adequately trained and certified to operate mobile cranes or crane trucks. Certificates and registers are to be placed in the H&S file.

Movement of plant in closures and in confined working areas is to be closely monitored and managed by the supervisors. The blind spots of plant are to be taken into account and workers and Contractors protected accordingly. Failure to do so will be considered a serious offence.

5.7 Excavations

A procedure for managing excavations is to be provided as an addendum to the H&S plan describing how excavations are to be managed.

Excavation method statements are to be approved by the Designer and associated risk assessments are required. Designs by competent persons are required where ground conditions are deemed to require shoring.

A competent person is to be appointed for managing all excavations. A permit system is to be available and used for all excavations. All equipment and ground conditions to be checked daily and prior to work commencing.

Excavations should preferably not be open beyond what can be closed daily. Where excavations need to remain open, all excavations are to be properly protected. Adequate stakes with 1m high demarcation and berms/spoil are required to be a safe distance from the edge of the angle of repose. Candy tape may not be used to demarcate

excavations. Cognisance is required of the surrounding area and increased levels of protection are required where work is in communities, near schools and clinics.

Work will be stopped, and penalties applied to any work in excavations that is not compliant.

5.8 Working at heights

A fall protection plan is to be available and supplied as an addendum to the H&S plan to include the installation of water reservoir tanks to the height of 10 meters. The fall protection plan must be appropriate for the project. Method statements, appropriate risk assessments, safe work procedures and training are to be available prior to work commencing.

Construction drawings shall be required for all temporary structures as they relate to the project. The drawings shall be accompanied by full calculations, design loads and any relevant test results as required by the SANS code, and ensure adequate allowance for the development of appropriate documentation and training. All drawings are to be checked and signed by a competent structural engineer (registered with ECSA).

The focus for working at height shall include fall restraint systems where possible except during assembling or dismantling top components or where it is not deemed safe. The relevant SANS codes are to be applied as they apply to the works and the project, such as:

- SANS 10085
- SANS 10333 (parts 1-3)

Should part of the works be contracted out, competent Contractors are to be appointed and submit documentation according to the project requirements. The PC is to note if such work is to be contracted to specialists in the H&S Plan. The plan is to be developed and work managed by a competent person for the duration of the project. The following aspects must be included:

- The public or users of buildings are to be protected at all times by way of hoarding, barricading or fencing
- Notices to be posted
- Restrictions or stoppage when weather conditions are deemed hazardous
- Permit system for working at heights
- Prevention of falling tools or equipment
- Link to emergency plan regarding rescue

All workers are to be in possession of valid certificates of fitness that extend for the duration of the works. Note the requirements in the section relating to medical surveillance.

Registers and all relevant documentation are to be placed in the H&S file.

Work will be stopped and penalties applied to any work at heights that is not compliant.

5.9 Temporary Works (Scaffolding)

Temporary works must be properly designed and signed off by a competent person. In these instances a competent person is defined as a Professional Engineer or Professional Technologist (registered with ECSA) who has sufficient experience in the design of the type of temporary work in question to be able to assess the design. The appropriate competent persons are to be appointed to manage and monitor such works to the satisfaction of the Engineer and CHS Agent. Records and registers are to be properly completed and kept in the H&S file. If temporary works are to be erected by a Contractor, this must be notified to the Designer/CHS Agent. All necessary calculations and drawings of temporary works must be kept on site and available to the PA and CHSA

5.10 Auditing

Frequency of external auditing by the CHS Agent or Client will be as agreed with the Client and Designer but will at least conform to the requirements of the Construction Regulations. The site will be inspected and the documentation audited relative to the activities and H&S plan. The CHS Officer of the PC must accompany the Client, or the CHS Agent, on all audits and inspections. Not all audits will be, or need be announced.

The PC will ensure that all their Contractors are audited at a frequency determined by the CHS Agent. Audit frequency may be increased if Contractors are not performing adequately. Audit results will be acted upon and non-

conformances and penalties issued where deemed appropriate. The Client, Designer or CHS Agent may act or require further outcomes if non-compliances are noted or unsafe acts are noted on site.

Internal audits are to include site conditions as well as ensuring H&S files are appropriate, and compliant. Comprehensive audit reports are to be made available; the format of the audit reports must be acceptable by the CHS Agent.

The PC will be audited using a template as supplied in the tender document. The audit template will be adjusted from time to time relative to the activities on site. A similar process is to be used by the PC when auditing their Contractors on site. Compliance with legislative requirements and the systems provided by the PC to manage the H&S on site will be measured. Full compliance is required. Time limits for corrective actions will be set and must be adhered to.

Failure to address findings or non-conformances will be considered a serious offence.

5.11 Communication on Site

All H&S communication during the project between the CHS Agent and the PC will be done through the Architect/Clerk of Works/Client and be in writing, including the issue and responses to non-conformances and H&S audit results.

Failure to address issues timeously will be considered a serious offence.

5.12 Care of Workers on Site (Welfare)

Adequate toilets, clean, safe drinking water and decent shelter must be afforded workers at all times. Toilets will be within reasonable distance of workers, or placed with each working team in safe, with reasonable privacy. Hand washing facilities will be provided. The Contractor will make provision for adequate change rooms for his employees on site. Existing facilities may not be shared with existing users. No substances containing Formaldehyde may be used in Chemical Toilets.

Failure to ensure compliance will be considered a serious offence.

5.14 Discipline, Alcohol and Substance Abuse

All employees (management included) are to follow instructions given in the interest of H&S. Disciplinary action is to be imposed on those who do not follow such instructions or company rules or policies.

No person is allowed to work or access site if under the influence of alcohol or other substances that could impact on their own or others safety. The PC is to have a drug and alcohol policy available to manage such instances.

These requirements are applicable to any employee of any organization providing services on site.

5.15 Electrical Equipment

In addition to the requirements of the Electrical Machinery Regulations and the General Machinery Regulations any electrical distribution board used for construction work shall be fitted with suitable earth leakage protection. Leads must be properly and firmly connected. Plugs and sockets shall be in good and safe condition.

All electrical apparatus, other than electrical hand tools, shall have a physical "lock out" system which will prevent any operation other than that authorized by a supervisor. A "lock out" sign shall be displayed when the apparatus is not in use.

Method statements and safe work procedures will be required for all work involving electrical apparatus.

5.16 Explosive Power tools

The Principal Contractor to ensure that a competent person is appointed in writing to control the issuing of the Explosive Powered Tools & cartridges and the service, maintenance and cleaning. Register to be kept of all issuing, servicing, maintenance and cleaning. Empty cartridge cases/nails/fixing bolts returns recorded

Ensure that all tools are cleaned daily after use. Work areas are must be demarcated.

5.17 Hazardous Chemical Substances

The Principal Contractor to ensure that competent Person/s with specific knowledge and experience designated to Control the Storage & Usage of HCS (including Flammables). Written Proof of Competence of above appointee available on Site. Risk Assessment carried out. Register of HCS kept/used on Site. Separate, purpose made storage available for full and empty containers.

5.18 Pressure Equipment

The Principal Contractor to ensure that competent Person/s with specific knowledge and experience designated to supervise the use, storage, maintenance, statutory inspections & testing of pressure equipment written Proof of Competence of above appointee available on Site.

Pressure Equipment identified/numbered/placed on register. Regular Inspections/maintenance carried out the pressure equipment. Results must be recorded and kept in the Health and Safety File.

5.19 Hot work

The Principal Contractor to ensure that all operations will be carried out by authorised/trained persons to use the equipment. Permission to be obtained prior to work commencing from Supervisor. Principal Contractor to ensure that all work carried out be done so in designated hot work area. All equipment must be good working condition check lists and registers must be available in the Health and Safety File. Sufficient PPE to be provided to employees working in the area. Sufficient signage must be erected to prevent unauthorised access into the area.

Gas welding equipment must have working flashback arrestors fitted at cylinders and gauges.

Hoses in good condition/correct type/all connections with clamps Cylinders stored, used and transported in upright position, secured in trolley / cradle / to structure. All cylinders regularly checked for leaks, leaking cylinders returned immediately.

Fire prevention/control methods applied/hot work permits

Principal Contractor to ensure that sufficient fire fighting equipment is available in this area where work is done.

5.20 Security Arrangements / Access Control

The Principal Contractor will establish site access rules and implement and maintain these rules throughout the construction period. Construction area must be sufficiently fenced off with semi-permanent barricading to ensure that no school children gain access into the construction site. Access control must include the rule that non-employees shall at all times be provided with fulltime supervision while on site.

The Principal Contractor will develop a set of security rules and procedures and maintain these throughout the construction period. If not already tasked to the OHS Officer, appointed in terms of Construction Regulation 8(5), the Principal Contractor will appoint a competent Emergency Controller whom must develop contingency plans for any emergency that may arise on site as indicated by the risk assessments. These plans must include at least a 3-month practice/testing Programme for the plans. These practices/test runs must include all persons on site at the time of the practices/test runs.

5.21 Housekeeping

Good housekeeping will be maintained at all times as per Construction Regulation No. 27. Poor housekeeping contributes to three major problems, namely, costly or increased accidents, fire or fire hazards and reduction in production. Good housekeeping will enhance production time.

In promotion of environmental control all waste, rubble, scrap etc. will be disposed of at a registered dump site and records will be maintained. Where it is found to be impractical to use a registered dump site or it is not available, the

Principal Contractor will ensure that the matter is brought to record with the client or his representative, after which suitable, acceptable alternatives will be sought and applied.

Dross and refuse from metals, and waste matters or by-products whose nature is such that they are poisonous or capable of fermentation, putrefaction or constituting a nuisance shall be treated or disposed of by methods approved of by an inspector.

5.22 Barricading

All barricading shall be of the rigid type unless the use of non-rigid barricading has been approved in writing by the client's Project Manager. The contractors' barricading standard shall be included in the Health and Safety Plan.

Where more than one contractor is working on a site, the fixed barricading shall be clearly marked with the company's name, site contact person as well as the contact number/s.

5.23 Demolition Work

Prior to any demolition work being carried out, the Contractor shall submit a Method Statement for approval by client and or client's agent, which includes the Risk Assessment; acceptance will then be issued to the Contractor to proceed with the demolition work. The method statement will include the following, but will not be limited to the list below:

Control Measure required as per CR 14.

- Competent person supervising the demolition work (Name, Competencies and experience) CR 14(1)
- Method statement on the procedure to be followed in demolishing the structure CR 14(2)
- Detailed structural engineering survey of the structure to be demolished is carried out by a competent person CR 14(2)
- Competent person shall check the structural integrity of the structure at intervals determined in the method statement CR 14(3)
- Conduct a Activity-based risk assessment before commence of demolition work CR 14 (4)(a)-(h); (5); (6)
- Activity-based risk assessment training and attendance register

6 HEALTH AND SAFETY FILE

The documentation submitted and approved following the awarding of the contract will be used to form the H&S file. The H&S file is required to be laid out in a logical manner, and documentation filed within the file is to be easily accessible.

The following completed information shall be included (but not be limited to) as part of the index:

- The PSHSS;
- The H&S Plan and the approval by Client;
- Appointment by Client;
- Mandatory agreement with Client;
- Notification of construction work;
- A record of all working drawings, calculations and design where applicable;
- Detailed list of Contractors with contact details, appointments, Mandatories etc., H&S specifications issued;
- Record of Competencies (CVs) and appointments;
- Training Records;
- Permits;
- Method statements;

- Risk assessments;
- Safe work procedures;
- Emergency and injury management;
- Safety data sheets
- Medical surveillance records;
- Registers; and
- Records of audits, minutes etc.
- Plant lists
- Temporary electrical installations
- Employee records (who is on site)

7 NON-CONFORMANCES

Should, at any time, the works, or part of the works, be stopped due to unsafe acts or non-compliance with the Clients or PCs H&S Plan; neither the PC nor any other Contractor shall have a claim for extension of time or any other compensation.

7.1 Failure to Comply with Provisions

Failure or refusal on the part of the PC or their Contractors to take the necessary steps to ensure the safety of workers and the general public in accordance with these specifications or as required by statutory authorities or ordered by the engineer, shall be sufficient cause for the engineer to apply penalties as follows:

8 MEASUREMENT AND PAYMENT

The payment items for Occupational Health & Safety are contained in the Bill of Quantities. The same rules are applicable in respect of the pricing of these items as for every other payment item. Attention is drawn to the Pricing Instructions in this document.

Item and Unit

C.01 Preparation of Contractor's Project Specific Health and Safety Plan. (Lump Sum (L.S))

The rate for this item must cover all expenses incurred in preparing the Contractor's project specific Health and Safety Plan as required by the Client's project specific Health and Safety Specification in this document

C.02 Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations. (Lump Sum (L.S))

The full amount will be paid in one instalment only when the Client's Agent has verified and approved the following

- The Principal Contractor has notified the Provincial Director of the Department of Labour in writing of the project, Annexure A to the Regulations.
- The Principal Contractor has made the required initial Appointments of Employees and Contractors.
- The Client has approved the Principal Contractor's project Health and Safety Plan.
- The Principal Contractor has set up his Health and Safety File.

C.03 Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations. (Month (Mth))

The amount shall represent full compensation for that part of the Principal Contractor's general obligations in terms of the Occupational Health and Safety Act and Regulations which are mainly a function of time. Payment will be made when the Client's Agent has verified the Principle Contractor's compliance as part of the audit. This will include the updating and administration of the Health and Safety file.

C.04 Provision of Personal Protective Equipment (PPE) as listed in the Bill of Quantities. (Number (No))

The rates for these items shall include for the procurement, delivery, storage, distribution and all other actions required for the supply of PPE to the employees of the Principle Contractor, full or part time, requiring them. Sub-Contractors are responsible for their own costs in this regard. Any items of PPE not included on the list will be paid for only after the Engineer has agreed to their acquisition.

Items listed will include, among others which may be noted, are: hard hats, reflective vests, reflective bibs, high visibility overalls, protective foot wear, fall arrestor harness and tethers, gloves, ear muffs, earplugs and dust masks of appropriate type. Normal items such as standard overalls, waterproof clothing, gum boots and standard workshop safety equipment such as welding masks and goggles will not be paid for.

Payment will be based on the issues register for PPE as kept by the Construction Health and Safety Officer, backed up by paid invoices if requested.

C.05 Provision of part-time or Full Time Construction Health and Safety Officer (Month)

The Tender sum shall include for the cost of a Construction Health and Safety Officer on a fulltime if the Client should allow a part-time CHSO the amount tendered will be prorated according to the amount of time spent on the project.

C.06 Costs of Medical Surveillance (Unit (No))

This item shall cover all costs involved in the obtaining of baseline medical examinations of temporary labour, including operators for mobile plant as contemplated in CR 21(d) (ii); for temporary workers and workers exposed to noises at or above the limits given in the Noise-induced Hearing Loss regulations, as stipulated.

Workers in the permanent employ of the Contractor will only be paid for if their certificates require updating.

C.06 a) Initial (baseline) medical examinations, including audiometric and lung function testing.

C.07 Induction Training (Unit (No))

This item shall cover all costs incurred for the health and safety inductions as set out on Regulation 7 of the Construction regulations and the proof of induction required. Payment will be made on the figures contained in the induction section of the Health and Safety File.

C.08 Provision of First Aid Boxes. (Unit (No))

The rate for this item shall cover all costs incurred in the provision and maintaining of first aid boxes as outlined in Paragraph 7 above.

C.09 Establishment of noise levels (Unit (No))

- a) This item shall cover all costs involved in the establishment of noise zones, including any workshops, in terms of Regulation 9 of the Noise-induced Hearing Loss Regulations. Where a zone has previously been established for a particular item of plant within the last two years, the test need not be repeated but must be kept valid for the duration of the Contract.

C.10 Submission of the Health and Safety File. (Lump Sum)

Expenditure under this item shall be made in accordance with the general conditions of contract.

This amount will be paid only once the Principal Contractor has met all his obligations in respect of the Occupational Health and Safety Act and the Construction Regulations and has submitted his Health and Safety File complete as envisaged on this specification to the Client's satisfaction. This must be done prior to the issue of a Certificate of Completion.

ANNEXURE A CLOSE OUT REQUIREMENTS

The H&S files for the Principal Contractors and all Contractors require closure and handover to the Client at the completion of the project. The following list is an example of what should be included, but is not exhaustive. The OHS Agent or the Client may require further information at the time of completion and the Principal Contractor is to ensure that all instructions are met. Documentation would include all records from the start of the project. Daily or monthly plant inspection records are not required unless they are related to an accident. All records to be in electronic format and submitted to the OHS agent for approval in adequately formatted lists and folders. Layout should be logical and in the same order as in the site files.

Health and Safety close out file requirements include:

- a) Client H&S Specification
- b) Principal Contractor's OHS Plan(s)
- c) Organograms
- d) Legal Appointments
- e) List of all employees employed on a permanent or contractual basis over the duration of the contract
- f) Application for Construction Work Permit to Department of Labour
- g) Letters of Good Standing for the Project
- h) Full files for all Contractors as well as their close out reports
 - List of Contractors
 - All employees employed on a permanent or contractual basis over the duration of the contract
 - Letters of Approval of Contractors
 - Mandatary Agreements
 - Letters of Good Standing
 - Appointments
- i) Incident Records
- j) Non- Conformance records
- k) Agent's Audits

- l) Method Statements
- m) Risk assessments
- n) Safe work procedures
- o) Medical surveillance certificates of fitness. Medical records are to be kept according to the OH&S Act as amended
- p) All drawings for temporary structures (suspended beams/scaffolds etc.)
- q) All operating manuals for any systems that require on-going maintenance
- r) Copies of test results, policies and procedures for environmental monitoring (silica, noise, dusts etc.)

Defect and Liability Period

The H&S files are to be kept 'live' for the defect and liability period by the Principal Contractor, including those of their Contractors. Any work required during the defect and liability period will require an assessment of the H&S file by the OCHS Agent prior to any work commencing.

A copy drawing records for the as-builds are to be placed on file by the Designers once complete.

**ANNEXURE B
NON-CONFORMANCES**

HEALTH AND SAFETY SITE INSPECTION NON CONFORMANCE NO		
AGENT:	PROJECT:	
Consultant:	Date and time:	
Client	Area:	
Contractor:		
ASPECTS NOTED:	COMMENTS:	COMPLETION REQUIRED BY (DATE):
	•	
	•	
	•	
	•	
	•	
PHOTOGRAPHIC EVIDENCE (if available):		
OTHER:		
The following penalties are to be applied:		
Signature of Designer		
Signature of CHS Officer/Site Agent		
Signature: of CHS Agent		

ANNEXURE C:

CONTRACTORS MONTHLY HEALTH AND SAFETY REPORT

(To be submitted by the end of the first week of each month and be available with each audit)

CONTRACT NUMBER:		PROJECT NAME:	CONTRACT DETAILS:
1	GENERAL ACTIVITIES FOR THE MONTH (detail each area of work)		
2	NUMBER OF WORKERS (permanent and local, contractors)		
3	TRAINING DONE (supplier, no of people, type)		
4	INCIDENTS / ACCIDENT (list number and details, attach reports)		
6	NON-CONFORMANCES (closed out or active)		
7	CONTRACTORS (list, approval status)		
8	AUDITS COMPLETED (internal and external)		
9	CRITICAL ISSUES		
10	GENERAL		

CHS Officer
Site Agent

Signature

Date:

Signature

Date:

INDEPENDENT
DEVELOPMENT TRUST

CONSTRUCTION OF
KWAMATAMBO JS SCHOOL

DRAFT BASE LINE RISK ASSESSMENT

Risk Rating Multiplier: Low = 1; Medium = 2; High = 3

Baseline Raw Design Risk - Typical behaviour given the design / factors present

Residual Risk - The extra factors noted that must be in place to reduce the risk

Low Risk - Does not mean that the activity is safe, or that potential injuries and / or fatalities are eliminated

Key Risks will be assessed and reported on in the Site Specific H&S Specification

New tasks require re-assessment as the project progresses

Low	Med	High
1	4	12
2	6	18
3	8	27

Prepared by SHEHawk Consultants
CC – Barinda Grettton

Note: This is a broad overview of the activities expected and available during the design stage of the project. Key issues will be addressed during the construction stage, and may be updated during this time. Consolidation of activities where overlap or applicable throughout the project (plant, material or other common activities). Compliance with all the applicable legislation is required. Penalties for non-compliances will be applied where issues not addressed as per the H&S Specification (as amended).

REFERENCES/ABBREVIATIONS:

OHSA Occupational Health and Safety Act (applies overall); GAR = General Administration Regulations; GSR = General Safety Regulations; HBR = Hazardous Biological Regulations; CR = Construction Regulations; HCSR = Hazardous Chemical Substances Regulations; FR = Facilities Regulations; EIR = Electrical Installation Regulations; DMR = Driven Machinery Regulations; PER = Pressure Equipment Regulations; RTA = Road Traffic Safety Act; SANS = 1200 (unless stated) SANS 10085 = Access Scaffolding; SANS 10083 = Audiometry standards; SANS 1300, 10142, 10400 & 2001 = Building & Electrical Standards; SARTSM = South African Roads and Traffic Signs Manual; PC = Principal Contractor, National Disaster Management Act (Regulations) (NDMA)

INDEPENDENT DEVELOPMENT TRUST	CONSTRUCTION OF KWAMATAMBO JS SCHOOL
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GENERAL REQUIREMENTS AND PROVISIONS												
ALL DOCUMENTATION TO COMPLY WITH ALL LEGISLATED GUIDELINES RELATING TO COVID-19 UNTIL THE DISASTER MANAGEMENT ACT IS LIFTED					Baseline : Raw Risk			Baseline: Residual Risk				
Legislation Ref	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likelihood of Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk	Likelihood of Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
COVID 19												
DMA	Site Preparations	Yes	Contamination of the site over shut down time Spillage of waste/effluent	2	1	1	2	Joint inspection where possible by client, PrCHSA & PA, PC, CHSOM to inspect the site pre site preparation to assess conditions. Revise any policies, method statements for risks and hazards identified for review by the PA. Decontaminate the site, in all areas; ensure the availability of hand washing facilities and sanitizers, through the site, and at entrances. Appropriate products as prescribed to decontaminate may be used, and all procedures re plans etc. must be followed. Ensure all decontamination stations, and other facilities are available at ablution areas, common eating areas, offices, canteens, security	1	1	1	1
		Yes	Unsafe temporary structures, excavations, bees, vermin, squatters, damaged services due to theft	3	2	1	6	Full inspections of all temporary structures, security and excavations by the PC (By CM and CHSO). Report to be available with method statements and HIRAs with corrective actions to be provided to the PA/Client. PA to review. Teams to make the site safe prior to work commencing. Limit numbers of teams, check competencies prior to commencing work. Safe removal of those from site	1	1	2	2

INDEPENDENT DEVELOPMENT TRUST		CONSTRUCTION OF KWAMATAMBO JS SCHOOL
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	Occupational Health: Medical certificates of fitness	Yes	Workers symptom free but infected with Covid-19, older workers of 60+; workers with underlying auto-immune or chronic diseases	3	3	3	27	Policy and method statement to be available relating to medical surveillance. For review by the PA. All workers are to be screened and have a valid certificate of fitness on return to work. A full questionnaire to be completed prior to return, or on return, and those identified as high risk must be separated and possibly refused entry until deemed negative. Methodology to remove staff from site safely to a test facility.	2	3	2	12
	Demographics of Labour	Yes	Vulnerability due to age, underlying auto-immune or chronic diseases, socio-economic status, having to use public transport to get to work	3	3	3	27	The medical surveillance policy and method statement to be adhered to. A full questionnaire to be completed prior to return, or on return, and those identified as high risk must be separated and possibly refused entry until deemed negative. Daily temperature on entry to site; Induction, DSTIs and toolbox talks to be done daily on topics relating to covid, personal hygiene and PPE. Strict enforcement for use of PPE. Job substitution if possible for those who are affected. Must include catering and cleaning facilities	3	3	2	18
	Accommodation	Yes	Social density - inability to maintain social distancing in local communities, Cross contamination from the lack of social distancing, shared utilities and belongings, shared ablutions, cross infection among inhabitants and cleaning, catering staff	3	3	3	27	Policy and method statement for accommodation and to be reviewed by the PA. Sleeping and dining quarters to allow for minimum 1.5m space between persons; Dedicated bedding, towels, utensils, soaps etc.; Individual facilities for safe keeping; Individual, segregated facilities for storage of laundry; Procedures and rules of occupancy and cleaning; Induction and primary health promotion to be done regularly. Isolation area to be available should anyone display symptoms, and safe removal for testing. Food to be served wrapped and available individually.	2	3	2	12

INDEPENDENT DEVELOPMENT TRUST		CONSTRUCTION OF KWAMATAMBO JS SCHOOL
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	Origin of labour	Yes	Transportation of employees/workers across borders and between towns and cities, districts and municipalities	3	3	3	27	Selection and provision of transport services compliant with gazetted requirements; Policy and procedures and rules for travel, where possible to limit the use of public transport, or to arrange selective methods of transport, on-going toolbox talks and if possible supply of cloth masks to be worn when travelling. Limitation of border crossing unless specialised contractors	3	3	2	18
	Transportation	Yes	Maximum allowed capacity exceeded; No facilities for sanitising vehicles and passengers; No additional protective measures available, e.g. Face masks; Unlicensed drivers and operators	3	3	3	27	Selection and provision of transport services compliant with gazetted requirements; Policy and procedures and rules for travel, where possible to limit the use of public transport, or to arrange selective methods of transport, on-going toolbox talks and supply of cloth masks to be worn when travelling or moving on and off site. Vehicles maintained at 70% capacity or less; Vehicles sanitised between trips; hand sanitiser provided for passengers.	2	3	2	12
	Social distancing	Yes	Many construction tasks require more than 1 worker; that will be required to work within the limit of 2m Access/Egress to and off site; Welfare facilities, Meeting areas	2	3	3	18	Policy and method statements for the provision of suitable and sufficient PPE; demarcation and spacing of queuing areas; segregation of queuing areas and public outside site perimeters; Meeting/eating areas large enough to maintain 2m distance at maximum occupancy, use of drones, security cameras to limit the need to spend time on site. Only essential workers to spend time on site. Staggered meeting/eating times, use of Zoom, Skype, teams for meetings where necessary. Individual, segregated facilities for safe keeping; Induction training and a programme for information and training.	2	3	2	12

INDEPENDENT DEVELOPMENT TRUST		CONSTRUCTION OF KWAMATAMBO JS SCHOOL
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	Alcohol and substance abuse	Yes	Workers , visitors arriving at site under the influence of substances	3	3	2	18	Policy and method statement for substance abuse to be reviewed, management of visitors, workers under the influence of alcohol or other substances. No breathalysers unless individual testing units used, and appropriate disposal in hazardous waste.	2	3	2	12
	Waste management	Yes	Spreading of virus and contact with virus causing infection from hand washing, drying hands, cleaning equipment and other related aspects	3	3	2	18	Prepare a policy, method statements, HIRA and review by PA. Establish and follow protocols for disposal of hazardous waste (containers). Awareness through notices (posters) regarding correct procedures and classification of waste. Competent supervision and adequate awareness training required. Provide adequate supplies of material and consumables, provision of sealable disposal containers/bags through appropriate waste removal company. Establish and follow protocols for disposal of hazardous waste. Provide adequate supply of paper towels. If contractors used ensure appropriate management.	2	3	1	6
	Signage	Yes	Provision of sealable disposal containers/bags. Unintentional entry to site and work areas compromising workers being contaminated. Acts and behaviour that compromises workers	2	3	3	18	A policy and method statement to be prepared, and reviewed by the PA. Installation of posters and signage with the site rules and protocols that needs to be maintained at strategic points, Awareness through notices and posters regarding correct protocols to be maintained, Competent supervision and adequate awareness training required. Discipline to be applied to those not complying	2	3	1	6

INDEPENDENT DEVELOPMENT TRUST				CONSTRUCTION OF KWAMATAMBO JS SCHOOL								
	Security access	Yes	Workers, visitors, site administration arriving on site via personal and public transportation	3	3	3	27	Policy and method statements to be revised and reviewed by the PA. All persons entering site to sanitize hands, prior to entry to site. Access controller trained on correct procedure to utilize no-contact handheld thermometer. Back-up access controllers trained on same procedure. All persons entering site tested by trained access controller. Periodic alcohol testing will continue however only when warranted through suspicion.	3	3	2	18
Lockdown NDM Act	Welfare facilities		Spreading of virus and contact with virus causing infection	3	3	3	27	Updating of policy, method statements and HIRA, limiting of personnel on site to minimum number required to maintain control and management. Implement and maintain cleaning and disinfecting programme Rules for social distancing to 1.5m. Stagger number of people attending induction and training sessions. Use technology to avoid close proximity between individuals where possible	1	3	2	6
	Emergency planning		Assembly points may have more than 50 people, limited space for social distancing when practice or actual sessions	2	3	1	6	Review emergency plan and method statements. DSTI's and toolbox talks. Competent supervision to be trained in the emergency arrangements. Updating of the emergency plan communicated to all personnel. Emergency Number List updated to include National Institute of Communicable Diseases (NICD) Emergency Hotline – 0800 029 999 and dedicated Isolation Hospital Details	1	3	1	3

INDEPENDENT DEVELOPMENT TRUST		CONSTRUCTION OF KWAMATAMBO JS SCHOOL
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	Personal protective equipment		Spread of droplet infection through coughing, sneezing when in close contact	3	3	3	27	Update the policy, method statements and HIRA for PPE. No employee and or visitor will be allowed on site without a face mask. N95 masks only for medical or high risk workers. Adequate training must be provided in the correct use and disposable of these masks. Cloth masks must be washed and ironed daily. Face shields protect mouth, nose and eyes. Daily cleaning of face shields No sharing of PPE will be permitted. Adequate supervision, inclusion induction, policy, method statements and HIRA's. Covid PPE does not replace conventional PPE	2	3	2	12
	Consequence management			2	3	2	12	Revision of policy, method statements and HIRA. PC must ensure that workers are updated daily with all the relevant COVID 19 information through DSTIS/Toolbox talks, notices etc... PC must ensure that site is updated daily with all the relevant COVID 19 information. Workers should be updated with new information daily. PC must ensure that company disciplinary procedures are in place. All employees should have knowledge of the company disciplinary procedures. Work stoppage/site closure where noncompliance exists	1	3	2	6

CONSTRUCTION OF KWAMATAMBO JS SCHOOL

The base line risk assessment is to highlight hazards emanating from project risks identified. This list of risks is therefore not the replacement of the contractor's risk assessment but rather to point the contractor towards some risks he might not be aware of during tendering stage and while conducting his formal risk assessment.

Risk Rating multiplier: Low = 1; Medium = 2; High = 3

low	med	high
1	4	12
2	6	18
3	8	27

Note, this HIRA is a guide only and does not cover all risks. It must be read in conjunction with the Site Specific OHS Specification in the															Baseline risk				Residual risk			
REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Extra control measures necessary to reduce risk / Redesign by Client and / or Designer	Likely consequences of an accident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Accountability								
SITE ESTABLISHMENT																						
CR 24 Existing Services	Electrical	Contact with electrical cable overhead	Erect warning signs, inform workers	3	3	3	27	Experienced supervision by site staff and P.A. Competent Inspection	3	2	2	12	Contractor, Construction Manager, CHSO									
		Contact with underground cable	Erect warning signs, inform workers	3	3	3	27	Experienced supervision by site staff and P.A. Competent Inspection	3	2	2	12										
		Use of equipment under HV cable	Erect warning signs, inform workers no work under cable without permission and compliance with ESCOM requirements	3	3	3	27	Experienced supervision by site staff and P.A. Competent Inspection	3	2	2	12										
	Water	Underground pipes	Care in excavation	2	2	2	8	Experienced supervision by site staff and P.A. Competent Inspection	2	2	1	4	Contractor. Construction Manager, CHSO									
	Telephone	Overhead cables	Erect warning signs, inform workers	1	3	2	6	Experienced supervision by site staff and P.A. Competent Inspection	1	1	1	1	Contractor, Construction Manager, CHSO									

LIFTING EQUIPMENT											
CR22	Lifting Equipment	Uneven ground, loose soft soil, overhead power lines or other obstructions	Machine could tilt or become bogged down and causing a dangerous situation. Resulting in injury/property damage/Death	Correct inspection and evaluation of the working area. Ensure working area is clean and that the machine will be stable	3	3	3	27	Correct inspection and evaluation of the working area. Ensure working area is clean and that the machine will be stable.	3	2
		Checking out the machine to ensure that all is in good working order	Controls not functioning correctly, oil leaks. Machine failure causing damage and injury to employees	All operators & employees to be inducted.	3	2	3	18	Daily checklists and Tool Box Talks must be done	3	2
		Correct positioning of equipment ensuring it is level before carrying out the lift	Machine could tip over in one particular direction. Property/equipment damage/employee injury	Ensure that the machine is correctly positioned and will not be over extended in any particular direction of operation. Barricade the area to prevent unauthorised entry.	3	2	3	18	Ensure competent operators to position machine correctly to ensure maximum usage at any one lift / Method statements/ Risk Assessments/Safe Work Procedures Tool Box Talks	3	2
ROOFWORK											
Roof Work		Use of scaffolding, working at heights, use of ladders	Roof structure collapse, fall from roof, part of structure falls on worker, fall from scaffold, tools or material falls on worker. Scaffold collapse. Injury to worker	The Principal contractor will be required to submit with health and safety plan the fall prevention plan, including a risk assessment.					The Principal contractor will be required to submit with health and safety plan the fall prevention plan, including a risk assessment.		
				Include in the fall prevention plan is also a process for the evaluation of the employee's medical fitness.				Include in the fall prevention plan is also a process for the evaluation of the employee's medical fitness.			
				No employee is permitted to work on roofs during inclement weather				No employee is permitted to work on roofs during inclement weather			
				The plan is to be project specific and provide a systemic approach towards eliminating or reducing the risk of falling from heights and ensuring that all reasonable fall protection measures and methods have been taken prior to the commencement of work.	3	3	3	27	The plan is to be project specific and provide a systemic approach towards eliminating or reducing the risk of falling from heights and ensuring that all reasonable fall protection measures and methods have been taken prior to the commencement of work.	3	2
				Roof erectors are to be competent to carry the work Safe access to the roof must be carefully planned in order to select the most appropriate method and equipment.					Roof erectors are to be competent to carry the work Safe access to the roof must be carefully planned in order to select the most appropriate method and equipment.		

EXCAVATIONS														
CR13	Excavations	Plant & Manual	Injury or death to employees, Public and School Children	Proper training of operator: Medicals, machine in good working order	3	2	3	18	Excavation barricaded/shored as required. Proper supervision	3	2	2	12	Contractor, Construction Manager, CHSO, Excavation Supervisor
EARTHWORKS														
	Earthworks	Unauthorized entry	Injury/death of employees	Ensure that bulk earthwork area is out of bounds to unauthorized persons. PPE to be worn by all employees	3	3	3	27	Method statements/ Risk Assessments/Safe Work Procedures must be adhered to. Control measures must be in place for all	3	2	2	12	Contractor, Construction Manager, CHSO, Earthworks Supervisor
		Unsafe working conditions	Injury/death of employees	All operators & employees to be inducted.	3	2	3	18	Daily checklists and Tool Box Talks must be done	3	2	2	12	
		Unsafe equipment	Property/equipment damage	Operating manual should be adhered to. Operators to be aware at all times	3	2	3	18	Daily checks list/ Method statements/ Risk Assessments/Safe Work Procedures Tool Box Talks	3	2	2	12	
WORKING AT HEIGHTS SCAFFOLDING														
CR 10	Working at Heights Scaffolding	Scaffold not properly erected	Scaffold collapse	calculate load capacity of scaffold. Proper design of scaffold	3	3	3	27	Specification must ensure design is done by competent person. Method statements. Before work commences	3	2	2	12	Contractor, Scaffold Erector, Scaffold inspector
		Scaffold not properly erected	Fall from height	Fall protection Plan by a competent fall planner	3	3	3	27	Experienced supervision by site staff and P A / Scaffold erectors Competent Inspection. Method statements	3	2	2	12	Contractor, Scaffold Erector, Scaffold inspector
		Scaffold not properly erected	Falling objects	Use of toe boards, proper decking, catch nets	3	3	3	27	Experienced supervision by site staff and P A. Competent Inspection. Method statements	3	2	2	12	Contractor, Scaffold Erector, Scaffold inspector
WORKING AT HEIGHTS LADDERS														
GSR 13A	Working at Heights Ladders	Use of ladders	Persons falling	Ladders conform to General Safety regulation 13a	2	3	3	18	Worker training. Experienced supervision by site staff and P A. Competent Inspection. Method statements	2	2	2	8	Contractor, Ladder Inspector

STACKING AND STORAGE														
CR28	Stacking and Storage	Storage of Materials and equipment	Physical injury –tripping and falling	Regular toolbox talks to be done. Stacking and storage is to be maintained at all times. Regular inspection of all stacking is to be conducted and record of this is to be made available in the H&S File.	3	2	2	12	Worker training. Experienced supervision by site staff and P A. Competent inspection. Method statements	2	2	2	8	Contractor, stacking Supervisor, CHSO
ENVIRONMENTAL														
Environmental and facilities regs	Weather is a factor to be considered, raised temperatures in summer, with high humidity levels. Very cold weather may be encountered with the possibility of frost	Working in wet, extreme hot conditions Temperature range 2 to 40 deg C	Possible hypo- or hyper-thermia, low efficiency of workers	Work stoppage in rain or following rain that would affect the works. Cold weather protective clothing may become necessary. Hot weather may require work stoppage. Adequate supply of drinking water.	3	3	2	18	Use of weather stations to monitor temperature. Work to be assessed should discomfort index reach 100, work may be stopped at 105 if deemed problematic. Adequate water intake. Sheltered areas for rest and eating	2	3	2	12	Contractor, Construction Manager, CHSO
		Office facilities	Working in cramped unventilated or poor lighting conditions	Health issues	Office set-up to be checked for suitability	2	2	2	8	Avoid the use of containers for offices unless properly modified for use as offices	2	1	1	2
	Waste Management	Use of temporary toilets	Health Issues	Use of chemical Toilets, at least one per 20 worker's male and female separated	2	2	3	12	No Formaldehyde in chemicals. Serviced and cleaned at least once weekly by competent service providers.	1	2	1	2	Contractor, Construction Manager, CHSO
		Waste disposal	Health and Environmental issues	All waste properly disposed of two certificated rubbish dump	2	2	3	12	No burning of cement bags or other refuse on site. Site to be kept tidy. Removal of all waste at regular intervals by competent service providers.	2	1	1	2	Contractor, Construction Manager, CHSO
ACCESS CONTROL														
	Public Access	Persons in dangerous areas. School Children gaining access to construction area	Injury to person's / School children / Teachers	Separate gates to public from construction site. Sufficient barricading to be erected. Extra care to be taken to ensure school children do not gain access to the construction activities.	3	2	2	12	Spec to require. Access control. Induction for visitors. Security control. Safety Notices. Extra Observation. Sufficient Barricading.	3	1	1	3	Contractor, Construction Manager, CHSO
	Access Control	School Children, Public and employees may gain access to site	Fall into excavation, injury from plant, tools or at workplace / construction activities.	Access control to be in place, hoardings erected to separate site from public. Extra hoarding to be in place to ensure school kids are kept out of the construction site.	3	2	2	12	Strict access control, gates locked or manned at all times. Trained security staff on duty. Induction for all visitors. Special care to be taken to ensure pupils are safe.	3	1	1	3	Contractor, Construction Manager, CHSO, Security, Head Master

CONSTRUCTION PLANT AND EQUIPMENT															
CR 23	Use of Construction Plant and Equipment	Struck by vehicle	Injury to persons/School Children	Vehicle fitted with acoustic warning devices, hooter and reverse warning	3	3	3	3	27	Competent supervision and adequate pre-task training will be required. Competent medically fit operators	3	2	2	12	Contractor, Plant manager
		Vehicle overturns	Injury to persons/School Children. Damage to vehicle	Proper operation of vehicle	3	3	3	3	27	Competent supervision and adequate pre-task training will be required. Competent medically fit operators	3	2	2	12	Contractor, Plant manager
		Untrained operator	Injury to persons. Damage to vehicle	Only employ competent operators	3	3	3	3	27	Competent supervision and adequate pre-task training will be required. Competent medically fit operators	3	2	2	12	Contractor, Plant manager, CHSO
		Unsilenced plant	Noise induced hearing loss	Fit or repair silencer	2	3	3	3	18	Proper supervision, operator training. Establishment of noise zones by AIA. Correct PPE including ear defenders/plugs	2	2	1	4	Contractor, Plant manager, CHSO
	N-IH I Regs	Exposure to Noise	Over 85 Db for long period:When activities are in process	Hearing Loss	Avoid exposure to noise where possible	2	3	3	3	18	Specification to require establishment of noise zones by AIA. Communication with the school to ensure minimum noise during school hours	2	2	2	8
	Exposure to Dust	If severe lack of clear vision; Breathing problems. When activities are in process	Loss of Lung Function	Dust prevention	2	3	3	3	18	Specification to include dust palliative requirements. Communication with the school to ensure minimum exposure to school children during school hours	2	2	2	8	Contractor, Plant manager, CHSO
CONCRETE WORK															
CR 20	Outsourced supply	Delivery by truck	Person struck by truck	Reverse warning Driver training	3	2	2	2	12	Worker training. Experienced supervision	3	1	2	6	Contractor, Batch plant and Concrete Supervisor, CHSO
			Person struck by concrete poured into shuttering	Proper training of employees and supervision	2	2	2	2	8	Area to be kept clear of all but essential workers	2	1	2	4	
	Machine mixing		Use of wheel barrows	Proper training	2	2	2	2	8	Adequate supervision. Well maintained equipment	2	1	2	4	Contractor, Batch plant and Concrete Supervisor, CHSO
		Batch Plant	Trapped by machine	Check plant for pinch points	2	2	2	2	8	Pinch points guarded. Proper supervision	2	1	2	4	
			Use of access ramps	Proper construction of ramp / Worker training	3	2	2	3	18	Experienced supervision by site staff. Competent inspection. Use of proper equipment	3	2	2	12	Contractor, Batch plant and Concrete Supervisor, CHSO

CONCRETE WORK													
CR20	Hand mixing	Use of small tools	Contact with cement	Care in opening cement bags	2	2	2	8	Ensure workers fit for work. Proper supervision	2	1	2	4
					2	2	2	8		2	1	2	4
					2	3	3	18		2	3	1	6
	Steel fixing	Use of small tools	Bending, cramped position; injuries from slipping and fixing wire	Care in using tools	2	2	2	8	Experienced supervision by site staff. Competent inspection. Use of proper equipment	2	1	2	4
		Ergonomic risks		Rotate work	2	2	3	12		2	2	1	4
	Use of concrete vibrator	Injury to persons	Noise, vibration, contact with vibrating head, contact with wet concrete	Operator training	2	2	3	12	Experienced supervision by site staff. Competent inspection. Use of proper equipment	2	2	1	4
BRICK WORK													
	Delivery by truck	Struck by truck	Injury to persons	Vehicle fitted with acoustic warning devices, hooder and reverse warning. Vehicle checklists to be done	3	3	3	27	Experienced supervision by site staff and P A. Competent inspection	3	2	2	12
	Moving bricks	Use of wheel barrow	Injury to person's ergonomic risks	Training of workers. Job rotation	2	2	3	12	Experienced supervision by site staff. Competent inspection. Use of proper equipment	2	2	1	4
		Use of Brick lift	Injury to persons	Training of workers in use of equipment	3	2	2	12	Experienced supervision by site staff. Competent inspection. Use of proper equipment	3	2	1	6
	Use of support work	Collapse of support work	Injury to persons	Training of workers in use of equipment Method statements	3	2	2	12	Experienced supervision by site staff. Competent inspection. Use of proper equipment proper calculation of loads involved by competent person	3	2	1	6
	Use of access scaffolding and Ladders	Working with ladders and low scaffolds	Worker Falls, slips	Fall protection plan. Ladders to GSR T3A	3	2	2	12	Training, proper supervision. Ladder inspection	3	1	2	6
										Contractor, Building Supervisor, CHSO			

BRICK WORK														
	Working with glass	Glass breaking	Cuts and other injuries	Training of workers in use of equipment	3	2	2	12	Experienced supervision by site staff and P A. Competent Inspection	3	2	1	6	Contractor, Building Supervisor,, Scaffolding Inspector CHSO
PLUMBING														
	Plumbing Contractor	Unregistered, incompetent contractor	Poor work, cost overruns, no municipal connection No Certificate of Compliance	Ensure appointment of registered, competent contractor	3	2	3	18	Project specific H&S Specification and HIRA in tender Document	3	2	2	12	Contractor, Construction Manager, CHSO
PAINTING														
GSR 13A	Painting	Working with ladders and low scaffolds	Worker Falls, slips	Fall protection plan. Ladders to GSR13A	3	2	2	12	Training, proper supervision. Ladder inspection	3	1	2	6	Contractor, Construction Manager, Ladder Inspector, CHSO
		Ingestion of Paint	Gastric irritation, nausea	Training; clean site	2	2	2	8	Tool box talks, proper supervision	1	2	2	4	Contractor, Painting Supervisor, CHSO
		Cleaning Brushes	Use of thinners, benzene, possible carcinogens; highly flammable	Supply MSDS Use alternative brush cleaner Keep away from open flames	2	2	2	8	Use of Turpentine, Proper supervision Training	1	2	2	4	Contractor, Painting Supervisor, CHSO
TILE CUTTER AND GRINDER														
		Use of Tile Cutter and grinder	Injury to worker	Ensure operator competent	2	2	2	8	Ensure Correct PPE, toolbox talks proper supervision	2	1	2	4	Contractor, Supervisor, CHSO
ELECTRICAL INSTALLATION (see also Electrical installation regulations)														
	Electrical Contractor	Unregistered, incompetent contractor	Poor work, cost overruns, no municipal connection	Ensure appointment of registered, competent contractor	3	2	3	18	Project specific H&S Specification and HIRA in tender Document	1	2	2	4	Contractor, Construction Manager, CHSO, Electrical Supervisor
SMALL ELECTRICAL TOOLS														
	Use of small electrical tools	Contact with electricity	Electric shock	Certificate of Compliance for electrical supply	3	2	2	12	Ensure all connections secure, no breaks in cable. Proper routing of cables on site	3	2	1	6	Contractor, Construction Manager, CHSO, Electrical Supervisor
HAZARDOUS CHEMICALS (see also Hazardous Chemical Regulations)														
HCS Regulations	Use/supply of hazardous Chemicals	Improper use/storage of hazardous Chemicals	Fire, explosion poisoning of persons	Supply appropriate materials safety data information (MSDS)	3	2	3	18	Competent person appointed to check stores. Proper storage. Provision of fire extinguishers. Emergency plan.	3	1	2	6	Contractor, Construction Manager, CHSO HCS supervisor, SMMIE Contractor(if employed)
	Plastering	Cement Mortar	Used across the project for a range of tasks,	Avoid contact with cement. Supply MSDS	3	3	2	18	Dust control, PPE (eye and respiratory) Use of distributor when stabilizing road. Rotation of workers	2	3	1	6	
	Tiling	Tile grouts and Adhesives	Contact with materials	Avoid contact with grouts and Adhesives. Supply SDS	2	2	2	8	Proper PPE. Worker training	2	1	2	4	

HAZARDOUS CHEMICALS (see also Hazardous Chemical Regulations)													
	Carpentry	Wood glue & Varnish	Health Risk to Workers	Avoid over exposure	2	2	2	8	Ensure proper ventilation	2	1	2	4
	Plastering, Tiling, Carpentry	ergonomic risks	Working in confined areas, bending,	Rotate work	2	2	2	8	Proper supervision, competent trained workers	2	1	2	4
EXPLOSIVE POWER TOOLS													
	Use of Power Tools	Contact with electricity / Ricochet of object	Electric shock / Injury to persons	Only competent operators / Good working equipment / sufficient PPE	3	2	2	12	Ensure competent operators. / Method statements/ Risk Assessments/Safe Work Procedures Tool Box Talks	3	2	1	6
HOTWORK													
	Welding operation	Contact with electricity / contact with gas	Incompetent operator / Defective Machinery . Burns / Injury to hand and eyes	Competent operators. Sufficient training to be provided to employees in the use thereof. Suitable Fire Extinguishers placed nearby. Employees to wear the correct PPE.	3	3	3	27	Ensure operation by competent welders. Hazardous awareness training. All vessels and equipment to be inspected regularly. Registers to be kept	3	2	2	12
PRESSURE EQUIPMENT													
	Pressure Equipment	Strike with uncontrolled hose or coupling.	Incompetent Operator: Impact <ul style="list-style-type: none">• Pressurised content• Electricity• Ergonomics• Slips/trips/falls	Competent operators. Ensure sufficient training for operators. Wear appropriate PPE (e.g. goggles and water proof clothing etc) Ensure equipment is not directed at people or animals. Ensure sufficient rest breaks are taken whilst operating the machiney.	3	3	3	27	Ensure operation by competent . Hazardous awareness training. Ensure equipment is operated and maintained in accordance with manufacturer's instructions. Ensure regular maintenance is maintained. Inspection records to be kept.	3	2	2	12
													Contractor, Construction Manager, CHSO, Operator

ADDENDUM TO PROJECT SPECIFIC OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

FOR

**GENERAL BUILDING
MANAGED ON BEHALF OF
INDEPENDENT DEVELOPMENT TRUST**

(THE “CLIENT”)

PREPARED BY:

**SHEHAWK CONSULTANTS CC IN ASSISTANCE TO BAUTURN
CONSULTING**




PROJECT:

**Management of the COVID 19 virus during the CONSTRUCTION OF
KWAMATAMBO JS SCHOOL**

SIGNING OF THE ORIGINAL DOCUMENT

We, the undersigned, accept this document as a stable work product to be placed under formal change control as described by the Change Control Procedure document.

ORIGINAL	Prepared by	Reviewed by	Approved by
Date: 15 th of October 2021	Name: Barinda Gretton Health and Safety Agent (Candidate)	Name: David Curry Agent for the Client	Name: Client's Representative
	Signature: 	Signature:	Signature:

REVISION	Prepared by	Reviewed by	Approved by
Date:	Signature:	Signature:	Signature:
Document Title	CONSTRUCTION OF KWAMATAMBO JS SCHOOL		
Revision 0	Issue Date		

Revision Number	Alteration	Date
1		
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3		
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1. SPECIFIC PROJECT INFORMATION

1.1 INTRODUCTION AND DEFINITIONS

Legislation, with special reference to the Construction Regulations 2014, being in effect from the 7th August 2014 various improvements were made to Legislation to ensure that both Principal Contractors and Sub – Contractors are held liable for their relevant duties as specified in the Scope Works. The client's Project Health and Safety Specification includes a broad spectrum of the Regulations, it is still the duties of all Contractors to familiarise them with the requirements of the Occupational Health and Safety Act and all Relevant Acts applicable to Construction work (Thus include all Regulations with relevance to the Occupational Health and Safety Act and the Scope of works on site.) It is the Contractors responsibility to ensure that all regulations, and other associated health and safety regulations have been included in all the duties placed upon contractors and principal contractors in the tender. A copy of the regulations can be viewed on the department of labour's website and will need to be displayed at the active site area as well be included in the Health and Safety File.

The terms “contractor” and “principal contractor” have the same meaning as that in the construction regulations and are used interchangeably in this document, i.e., references to “contractor” refer to principal contractor and/or contractor as the regulations pertain to their functions.

The Client, and/or their agents, will monitor that all Contractors comply with the requirements as per the Occupational Health and Safety Act, relevant Regulations, Disaster Management act and finally the Project Health and Safety Specifications.

Definitions (as per the Construction Regulations 2014) applicable to this Health and Safety Specifications.

DIRECTORY	
Department of Labour www.labour.gov.za/Contacts/Labour-Centres/Pages/defaults.aspx	Tel: 043 702 7500 e-mail: Kulungile.Nkanjeni@labour.gov.za
National Department of Health	Tel: 012 395 8000
COVID – 19 Hotlines	Tel: 0800 029 999
National Coronavirus Hotline	Tel: 021 928 4102
Provincial Corona Hotline	Whatsapp: 0600 12 34 56

1.2 PROJECT HEALTH AND SAFETY REQUIREMENTS

The provision for and the amendment of the existing Project Health and Safety Specification and Baseline Risk Assessment to include the Health and Safety Hazards and Risks as identified by the Client, Designers and Safety Agent to reduce, minimise and prevent exposure to COVID 19 during the Construction Phase.

DOCUMENTATION	COVID 19 - <ol style="list-style-type: none"> 1. Method Statements will be required for High Risk Activities on site. 2. COVID 19 Readiness Plan 3. Risk Assessments 4. Mitigation and Prevention Plan 5. Emergency Plan 6. Training documents 7. Relevant Registers and Inspection sheets 8. Bill of Quantities 9. Policy 10. Safe Work Procedures
PERSONAL PROTECTIVE EQUIPMENT	<ol style="list-style-type: none"> 1. Disposable Gloves (Security and Screening) 2. 3 x sets of overalls (to be changed on a daily basis) 3. Respiratory Protection (as per the DOL endorsed) 2 x Cloth Masks for each employee) 4. Eye Protection (Face Shields and Goggles) to cover front and sides of face.

2. **FURTHER REQUIREMENTS**

2.1 COVID 19 (Due to the lack of knowledge on the COVID 19 and ever-changing conditions this section is constantly under review)

This section is based on the requirements of Government Gazette No 43257 dated 29th April 2020, and the Disaster Management Act 2002 as amended 29th April 2020.

DEFINITIONS (Disaster management Act of 2002 gazetted on 29/4/2020)

'adequate space' means not more than one person per one and a half metres of floor space; 'Alert Level' means the determination made under sub regulation 3(2);

'clinical case' means a patient that presents with clinical signs and symptoms of COVID-19;

'COVID -19' means the Novel Coronavirus (2019- nCov2) which is an infectious disease caused by a virus that has previously not been scientifically identified in humans, which emerged during 2019 and was declared a global pandemic by the WHO in 2020;

'Criminal Procedure Act' means the Criminal Procedure Act, 1977 (Act No 51 of 1977);

'enforcement officer' includes a member of the South African Police Service, the South African National Defence Force. metro police. traffic officers, immigration inspectors; and a peace officer as defined in section 1 of the Criminal Procedure Act;

'essential services' means the services listed in Annexure D;

'gathering' means any assembly, concourse or procession in or on -

- (a) any public road, as defined in the National Road Traffic Act, 1996 (Act No. 93 of 1996); or
- (b) any other building, place or premises. including wholly or partly in the open air, and including, but not limited to, any premises or place used for any sporting, entertainment, funeral, recreational, religious, or cultural purposes; but excludes a workplace and a place of residence for those persons ordinarily residing at the residence;

'health protocols' means the COVID-19 health protocols determined by the Director General of Health;

'head of an institution' means the accounting officer of a public institution and the chief executive officer or the equivalent of a chief executive officer of a private institution;

'institution' means any public or private institution, including a sole practitioner and any other business owned and operated by a single person, that is engaged in the supply or distribution of a good or service as set out in the Table 1, or which regulates such supply or distribution, including professional regulatory bodies designated in directions made in terms of regulation 4 of the Regulations;

'isolation' means separating a sick individual with a contagious disease from healthy individuals that are not infected with such disease in a manner that aims to prevent the spreading of infection or contamination;

'lockdown' means the period between 23H59 on 26 March 2020, until 23H59 on 30 April 2020;

'national state of disaster' means the national state of disaster declared by Government Notice No. R. 313 of 15 March 2020;

'permit services' means the services permitted in Table 1;

'quarantine' means the restriction of activities or separation of a person, who was or may potentially have been exposed, to COVID-19 and who could potentially spread the disease to other non - exposed persons, to prevent the possible spread of infection or contamination to healthy individuals;

'the Act' means the Disaster Management Act 2002 (Act No. 57 of 2002); and

'WHO' means the World Health Organisation.

The Coronaviruses are known to cause respiratory infections ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). The most recently discovered Coronavirus causes Coronavirus disease COVID-19.

COVID 19 is a viral pandemic that has and is causing a great deal of damage to human health, countries' economies and health systems and has led to lock downs, work stoppages and restriction of movement that threatens the existence of many jobs, as well as the way we conduct our normal working and social lives.

In response to the pandemic the government has passed legislation and guidance for employers and employees in the work environment.

People can catch COVID-19 from others who have the virus. The disease can spread from person to person through small droplets from the nose or mouth which are spread when a person with COVID-19 coughs or exhales. These droplets land on objects and surfaces around the person. Other people then catch COVID-19 by touching these objects or surfaces, then touching their eyes, nose or mouth. People can also catch COVID-19 if they breathe in droplets from a person with COVID-19 who coughs out or exhales droplets. This is why it is important to stay more than one meter away from a person who is sick.

2.1.1 CONTROL MEASURES TO BE INCLUDED IN HEALTH AND SAFETY PLAN:

The management and control of this virus by the Contractors on site is of the utmost importance.

No work will be allowed on site unless the lockdown restrictions were uplifted by Government.

No work will be allowed on site unless all documents required from contractors were submitted and approved by the Client/ Clients Agent.

Requirements that must be included by the contractor in their COVID-19 safety plan response should include arrangements for the following (please note that reference to contractors' employees / staff / workers / personnel on site must include control of their (sub)contractors, visitors and suppliers):

Addendum to Health and Safety Plan (COVID 19 Plans) :

Procedures as to how employees will be phased back on to site to be included in the COVID 19 Plan.(i.e. Permits with regards to the return of employees must be issued to the employees by the employer and these permits must be included in the file. Please refer to Annexure E of the Government Notice from Department of Cooperative Governance dated 29th April 2020. All persons who are able to work from home should do so.)

Legal Appointments:

The contractor must appoint a COVID 19 Manager to address employees concerns and keep them informed with regards to COVID 19 and the changes within the Disaster Management Act.

The contractor must appoint a COVID-19 Compliance Officer responsible for overseeing the following:

- implementation of the workplace plan; and adherence to the standards of hygiene and health protocols relating to COVID-19 at the workplace;
- developing a plan for the phased in return of their employees to the workplace, prior to reopening the workplace for business, which plan must correspond with Annexure E of the Disaster Management Act 2002 (as amended April 2020) and be retained for inspection and contain the following information:
 - which employees are permitted to work;
 - what the plans for the phased-in return of their employees to the workplace are;
 - what health protocols are in place to protect employees from COVID-19; and
 - the details of the COVID-19 compliance officer;
 - phase in the return of their employees to work to manage the return of employees from other provinces, metropolitan and district areas; and
 - developed measures to ensure that the workplace meets the standards of health protocols, adequate space for employees and social distancing measures for the public and service providers, as required.

Transportation to Site

Procedures for Transportation of Workers to Site –

- employees should be advised that if using transport, passengers must wear a cloth mask to be allowed entry into the vehicle.
- Hand sanitisers must be made available, and all passengers must sanitise their hands before entering.
- Public transport vehicles must be sanitised on a daily basis.

Government mandated limit on passengers per vehicle must be strictly adhered to.

Site access

Entry to site may only be through pre-arranged security controlled access points. Contractor must detail how will members of public be prevented from accessing site (risk of cross contamination between persons working on site and members of public).

Provision of Visitors Book for signing in and out of site. Records of all personnel entering site and their contact details must be kept.

Screening on Site

Contractor to advise how personnel on site will be screened on a daily basis for symptoms of COVID-19, including a symptom check as well as temperature assessment (digital thermometer). The contractor must describe their procedure for employees on site, suspected of having COVID-19 symptoms, refusing to undergo **medical** examination, prophylaxis, treatment, isolation, and quarantine. Sites with more than 500 employees must have testing facilities.

Risk assessment and safety procedure

Contractor must provide a written policy concerning the protection of its staff from COVID-19.

Contractor must compile a COVID-19 risk assessment and safety procedures for the site. How will it be communicated to all on site and records kept thereof.

The Risk Assessments must include the identification of exposure levels, identification of “high contact” activities, the identification of vulnerable workers and special measures for their protection, including protection against unfair discrimination or victimization.

Safety Signage and Hotline Number

Contractor to implement placement of COVID-19 safety signage and hotline number at site entrance and on site, warning of hazards and advising control measures (see samples in Annexure to this document). Please note that signage must be representative of the local languages.

Communication Procedures

Contractor to describe comprehensive induction and toolbox talk procedures to include COVID-19. Toolbox talks should be conducted on a daily basis on COVID-19 control measures and risks on site, include personal hygiene - manner of controlling coughing and sneezing on site - in elbow.

Emergency Procedure

Contractor must describe communication of COVID-19 symptoms and protocol that must be followed if person demonstrates symptoms, or is thought to have COVID-19 - symptoms of COVID-19 include cough, sore throat, shortness of breath or fever/chills (or $\geq 38^{\circ}\text{C}$ measured temperature), redness of eyes, also additional symptoms – body aches, loss of smell or loss of taste, nausea, vomiting, diarrhoea, fatigue, weakness or tiredness. Contractor must advise personnel on site of the symptom reporting procedure to site management of COVID-19 symptoms, and referral protocol for screening or testing if showing symptoms.

Emergency COVID-19 protocol that must be put in place by Principal Contractor must include:

- Sick workers may not enter workplace.
- If sick worker already on site then worker must be isolated in designated area for isolation on site, provided with FFP1 surgical mask and transported for self-isolation or for medical examination or testing at identified testing site.
- Worker placed on sick leave.

- On receiving their results, the employee and/or health professional supporting the employee should notify their workplace so that the employee is managed accordingly. The workplace should proactively take steps to obtain this information to avoid any delays in reporting.
- Assess the risk of transmission, disinfect area and workers workstation, refer exposed workers for screening, etc.
- Lodge claim with Workman's Compensation if infection occupationally acquired.
- Worker may only return to work after undergoing a medical evaluation confirming worker has tested negative for COVID-19.
- Worker must be closely monitored for symptoms on return to work.
- If worker has been diagnosed with COVID-19 the employer must notify Department of Health and Department of Labour

NOTE THAT: personnel on site, or presenting themselves to site who appear sick, or have symptoms associated with COVID-19 may not be allowed on site.

Welfare and Washing Facilities, Sanitising and Disinfection

Contractor must describe provision of soap and clean running water and sanitisers at site entrance and at other locations on site. Correct manner of washing / disinfecting hands, 20 second rule. Use of paper towels only. Disinfection of work surfaces and equipment control procedures required - carried out before work begins, regularly during day and after work ends. Toilets, common areas, door handles, shared electronic equipment and any other shared equipment must be regularly cleaned and disinfected, biometric systems disabled or made COVID-19 safe.

Hand sanitiser must contain 70% alcohol.

Employees working away from home should be provided with hand sanitiser by the employer.

COVID-19 PPE on Site

Contractor must describe controls for wearing of PPE on site, including wearing of cloth masks on site - people working and visiting site must be instructed on the correct way of wearing cloth masks, procedure for maintenance and replacement of cloth masks. The wearing of disposable gloves and protective eye wear should be considered to reduce risk of contamination. Surgical masks and N95 masks should only be worn by frontline health workers, not site staff. Note that some surgical masks should be kept on site to give to persons exhibiting COVID-19 symptoms prior to being taken away for testing.

Employer is required to provide each employee with at least 2 cloth masks and must make appropriate arrangements for washing, drying and ironing of cloth masks.

Supervision and Monitoring on Site

Monitoring systems must be in place by Contractor to ensure compliance with safety protocols and identify infections among employees - supervision monitoring and enforcement - how will it be done by the contractor?

Ventilation on Site

How will ventilation and air quality be made safe on site.

Waste Management

Sufficient refuse bins must be on site for disposal of tissues, used PPE.

Procedure for safe removal of contents of bins; used PPE, other detritus should be made in contractors safety plan.

Social Distancing Measures

Contractor must describe, so far as practicable how can numbers of workers be minimised on site at any one time (e.g.: through staff rotation, staggered working hours, shift systems, remote working arrangements or similar to achieve social distancing? (1.5m). Note that contractor must minimise contact between workers themselves and workers and public.

Depending on what is reasonably practicable, site must be arranged so that there is distance of at least 1.5m between workers and members of public or put physical barriers in place or provide workers with face shields or visors.

COVID-19 Investigation procedure

Contractor must describe how they will investigate the cause of COVID-19 infection (including control failure and risk assessment review, checking of PPE requirements, admin support to contact tracing implemented by Department of Health)

Important notes:

If more than 500 employees in contractors employ the employer must submit this risk assessment and written policy re health and safety of employees from COVID-19 to Safety Committee and Department of Employment and Labour.

Monitoring by the Safety Agent will be strict - noncompliance with COVID-19 control measures will be reported immediately to the principal contractor for action purposes. If necessary, transgressors will be removed from site for re-induction, or a recommendation for permanent barring from site will be made.

As this is an on-going medical crisis it is likely that control measures to prevent the spread of the virus will be updated by the government on a regular basis. Hence the measures in this section of the safety specification will be reviewed on an on-going basis, as we receive updated information from the government.

2.2 ERGONOMICS REGULATION OF 2019

'Competent person' in relation to ergonomics, means a person who—

(a) has in respect of the work or task to be performed the required knowledge, training and experience in ergonomics and, where applicable, qualifications specific to ergonomics: provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualifications Framework Act, 2008 (Act No. 67 of 2008), those qualifications and that training must be regarded as the required qualifications and training; and

(b) is familiar with the Act and the applicable regulations made under the Act;

'ergonomic risk' means a characteristic or action in the workplace, workplace conditions, or a combination thereof that may impair overall system performance and human well-being.

'ergonomic risk assessment' means a programme, process, or investigation to identify, analyse, value and prioritise any risk from exposure to ergonomic risks associated with the workplace.

'ergonomics' means the scientific discipline concerned with the fundamental understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimise human well-being and overall system performance;

The ergonomics regulations will apply to any employer or self-employed person who carries out work at the workplace who may expose any person to an ergonomic risk in the work place and any designer, manufacturer, importer or supplier of machinery, plant, or work systems for the work place.

An employer must, before the commencement of any work that may expose employees to ergonomic risks, have an ergonomic risk assessment performed by a competent person.

The ergonomic risk assessment must be done at intervals not exceeding two years and must include the following:

- a complete hazard identification and all persons who may be affected by the ergonomic risk.
- how employees may be affected by the ergonomic risks.
- the analysis and evaluation of the ergonomic risks.

- the prioritisation of ergonomic risks.

An employer must review the relevant ergonomic risk assessment if:

- such assessment is no longer valid;
- control measures are no longer effective;
- technological or scientific advances allow for more effective control methods;
- there has been a change in –
- the work methods;
- the type of work carried out; or
- the type of equipment used to control the exposure; and
- an incident occurs or medical surveillance reveals an adverse health effect, where ergonomic risks are identified as a contributing factor.

An employer must ensure that an employee is placed under medical surveillance, which is overseen by an occupational medicine practitioner, if –

- the ergonomic risk assessment referred to in regulation 6 indicates the need for the employee to be placed under medical surveillance; or
- an occupational health practitioner recommends that relevant employees must be under Medical surveillance, in which case the employer may call upon an occupational medicine practitioner to ratify the appropriateness of such recommendation.

An employer must ensure that the medical surveillance consists of –

- in the case of a new employee, an initial health examination before the employee commences employment or within 30 days of commencement of such employment.
- a periodic health examination informed by the ergonomic risk assessment, at intervals specified by an occupational medicine practitioner, but not exceeding two years; and
- an exit health examination informed by the ergonomic risk assessment.

Both the Client and the Contractor have a duty in terms of health and safety legislation to do all that is reasonably practicable to make members of the public and others being affected by the construction process aware of possible risks and put preventative measures in place to mitigate the risks. The public and/or visitors shall go through a brief health and safety induction detailing hazards and risks they may be exposed to and what measures are in place to control these hazards and risks.

Acknowledgement:

I, _____ representing

_____ Contractor / Agent have
satisfied myself with the content of the Addendum to Occupational Health and Safety
Specification (AOHSS) and shall ensure that the Contractor and his / her personnel comply with
all relevant obligations in respect thereof.

Signature of Contractor

Date

Signature of Agent

Date

Comments:

COVID-19 GUIDELINES FOR RESUMPTION OF CONSTRUCTION



public works

Department:
Public Works
REPUBLIC OF SOUTH AFRICA

COVID-19 GUIDELINES FOR MANAGEMENT OF RISK ON CONSTRUCTION SITES

SITE DEGREE OF RISK

BUILDING AND PROJECT TYPE	SITE SET-UP AND STAFF WELFARE	CONSTRUCTION STAGE
Lower Risk	For most, but not all project construction stage risk may be as follows:	For most but not all sites, set-up risk may be as follows:
Industrial, Logistical, Roads and Bridge Construction	Lower Risk	Lower Risk
Medium Risk	<ul style="list-style-type: none"> Excavation and groundworks Foundations and Piling 	<ul style="list-style-type: none"> Large Sites
Residential Accommodation	Medium Risk	Medium Risk
High Risk	<ul style="list-style-type: none"> Basement and Substructure Structural Frame Roofing Interior First Fix Interior Second Fix 	<ul style="list-style-type: none"> Site and management offices
Healthcare facilities, Correctional Centers, Military Bases, Police Stations, Magistrates Offices	High Risk	High Risk
	<ul style="list-style-type: none"> Cladding and Glazing M+E and Lifts Interior First Fix Interior Second Fix 	<ul style="list-style-type: none"> Scaffolding Travel to and from site and access to site Horizontal walkways and vertical access Staff changing and locker rooms Showers and toilets Confined Spaces Confined Sites
	<p>GUIDELINE</p> <p>For each construction contract there will be different levels of risk and it will be critical to evaluate the specific risks of each individual project.</p>	<p>GUIDELINE</p> <p>For each construction site there will be different levels of risk and it will be critical to evaluate the specific risk of each individual project.</p>

RISK MITIGATION PLAN

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
Demographics of Labour: <ul style="list-style-type: none"> Inadequate procedures in place to identify potential infected employees and workers Manage the exposure to COVID-19 on the project, including visitors and suppliers 	<p>Contractor is to maintain a register of all employees and workers on the project, including Sub-Contractors (inclusive of employees and workers) and Professional Team, keeping records of the following information as a minimum (Note: the NIOH document that is currently available):</p> <ul style="list-style-type: none"> Name Age of employee/visitor Contact Details Health status Socio-economic status/unskilled labour (work force) Accommodation arrangements (work force) 	CONTRACTOR
Origin of labour and transportation Need to minimize the risk of exposure to virus whilst in transport	<ul style="list-style-type: none"> On site transportation: Where on site transportation is done, a policy needs to be available for how such transportation will be made safe and limit any opportunity for cross infection. If possible the Principal Contractor should provide their own transportation of work force. (Where not possible, use of public transport can be considered to comply to transport limitations) Parking areas: Private and public vehicles are required to park outside of the construction site Support staff for professional service providers are to work from office location or from home Education and information: Information boards are required at entrance of sites and within Site Offices with information on the virus and precautions to be taken during working hours and traveling. Social Distancing: <ul style="list-style-type: none"> On site: As far as possible, work activities must be so arranged that social distance is kept to a minimum of 2 metre. Site office: seating arrangements must be of such that social distancing for roll players is kept to a minimum of 1 metre, ie; 'ONE CHAIR, SKIP CHAIR, ONE CHAIR, SKIP CHAIR'. Roll players must be limited to Professional Team and principal contractor. Facial Masks must be worn at all times by all roll players. Contractor work force when on site and transportation to and from site, where hand gloves can be used, they should be worn at all times to minimize touching of possible contaminated surfaces and injury. 	CONTRACTOR AND PROFESSIONAL TEAM

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p>Public transportation across borders/towns/cities</p> <p>Where a return to work will necessitate travel between Provinces and cities for employees and workers to return to the project, The Principal Contractor and Sub-Contractors are to have in place procedures for or provision of transport for the return of workers to minimize the risk of exposure to the virus whilst in transit.</p>	<p>The contractor to source/recommend a transport service provider that complies with all travel restrictions and requirements as gazetted by the government, inter alia:</p> <ul style="list-style-type: none"> • Maximum occupancy of vehicles to allow for social distancing • Vehicles sanitized before passengers board • Passengers provided with Face Masks and hand sanitizers provided within vehicles for passengers sanitization before boarding and after returning from vehicles for comfort breaks • Regular testing of body temperature • Adequate number of vehicles to be provided to comply with the maximum occupancy • Principal Contractor to put in place procedures for sanitization of personal belongings and luggage of work force on arrival at final destination • Permits to be provided per vehicle and per passenger from Authorising Authority 	<p>CONTRACTOR</p>
<p>Social Distancing:</p> <p>Construction site and facilities not set up in such a way that it will be possible as far as is practicable to maintain the required social distancing of 2 metres between persons when at work</p> <p>Risk:</p> <p>Manual labour for physical tasks and tasks that will not allow for social distancing;</p>	<p><u>Tasks that require more than 1 person to complete:</u></p> <ul style="list-style-type: none"> • Providing adequate supplies of suitable PPE such as face masks, task specific gloves, safety glasses, disposable/additional coveralls; • PPE used during multi-person activities to be exchanged immediately after the task is completed; • Sealed bins to be provided for disposable PPE such as masks, disposable coveralls, disposable gloves, etc; • Sealable bags provided to each person for keeping PPE requiring laundering, such as gloves and coveralls, and • Sanitizing/washing facilities provided for immediate sanitizing of hard hats, safety glasses, shoes, safety harnesses etc, on completion of multi-person tasks 	<p>CONTRACTOR</p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p>Site access by non-employees/security access</p> <p>Inadequate access control measures in places</p>	<ul style="list-style-type: none"> • Stop all non-essential visitors • All employees and non-employees to be screened with non-contact thermometers (Thermal Thermometers); • Body temperature checks with thermometer upon employee's arrival and departure; • Introduce staggered start and finish times to reduce congestion and contact at all times; • Take body temperatures of anybody stepping on or off site; • Monitor site access points to enable social distancing; • Number of access points to be reduced to enable controlled monitoring; • Ensure disinfectants are in place for disinfecting of shoes on entering/leaving the site; • Provide hand sanitizer for all entering the site to sanitize hands; • Allow social distancing of 2 metres in ques for all entering the site; • Regular cleaning of common contact surfaces areas, eg; desks, telephones handsets, site office door handles, chairs, etc; • Drivers of suppliers of materials and goods and services must remain with their vehicles if load will allow it, if not, drivers are to wash hands before unloading goods and materials 	<p>CONTRACTOR</p>
<p>Alcohol and Drug Testing</p> <p>Lack of safe testing procedures in place for alcohol and drug testing</p>	<ul style="list-style-type: none"> • Alcohol testing may only be done using single use test units, and must be disposed of in the appropriate contaminated waste bins provided on site; • Drug testing will only be done by an occupational health facility either using urine or blood sampling; • A protocol will be drawn up by the Principal Contractor to manage this with the occupational health service being used. 	<p>CONTRACTOR</p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p>Medical Surveillance</p> <p>No methodology in place as part of the normal requirements for pre-placement, periodic and exit medicals that includes factors related to COVID-19</p>	<ul style="list-style-type: none"> • The normal requirements of pre-placement, periodic and exit medicals will remain, with the Occupational health service providing a methodology of how they will be including factors relating to Covid-19. No lung functions or peak flows will be done until deemed safe to do so by the South African Thoracic Society. • It is preferable that occupational health service providers use a cloud-based record keeping service to ensure easy tracking and tracing. Free apps such as Square 1 is such an example. • Any person who contracts the virus may need to be reported to the Compensation Commissioner as an occupational disease where their work is to monitor and in contact with others. Such details are provided in the Compensation for Injuries and Diseases Act (COIDA). • Isolation of workers who have a temperature or any symptoms, and removal to the closest facility for testing and treatment, through the numbers provided. The PC is to ensure their policy on this includes such information. • Workers will be required to complete COVID-19 questionnaires prior to returning to site. Any worker with any symptoms is not to return to work, or notify the PC of same. 	<p>CONTRACTOR</p>
<p>Ablution Facilities on Site</p> <p>Unhygienic ablution facilities leading to poor hygiene</p>	<ul style="list-style-type: none"> • Restrict the number of people using toilet facilities at any one time. e.g. use a welfare attendant; • Hand washing facilities (soap and water, paper towel) to be available where possible, and if not, to provide hand sanitizer. Wash hands before and after using the facilities • Induction training to educate to ensure all users are hand washing correctly; • Enhance the cleaning regimes for toilet facilities particularly door handles, locks and the toilet flush handle. Flush toilets preferably 1:15 ratio unless increased cleaning regime present; • Portable toilets should be avoided wherever possible, but where in use these should be cleaned and emptied more frequently. Portable toilets to be provided at a 1:10 ratio; • Provide suitable and enough rubbish bins for hand towels with regular removal and disposal be cleaned and emptied more frequently; • Introduce staggered start and finish times to reduce congestion and contact at all times; • Consider increasing the number or size of facilities available on site if possible. 	<p>CONTRACTOR AND EMPLOYEES</p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p>Waste Management for Covid-19 Waste</p> <p>Outdated waste management arrangements in place that leads to an increased risk of the spread of Covid-19</p>	<p>Waste management arrangements to be updated to include provision for the disposal of additional waste generated due to preventative measures implemented. All waste to be managed as hazardous waste.</p> <p>a. Disposal of any gloves, masks The contractor shall dispose of all used gloves and masks as hazardous waste and provide sealable bags and containers for the safe disposal of this waste.</p> <p>b. Paper towels The contractor shall provide adequate supplies of paper towels on site. At points where these towels are provided lined waste bins to be placed in order to collect all used towels and then to be disposed of in hazardous waste.</p> <p>c. Disinfectant solution The contractor to provide adequate supplies of disinfectant on site where the use of water and soap for cleaning is not practical. If disinfectant dispensers are not refilled it should be disposed with other hazardous waste.</p> <p>d. Wastewater Wastewater at washing points, toilets, and bathrooms to be contained in a drainage system that prevent surface spills. If wastewater is contained in waste buckets it must be sealed when removed and disinfected after it is cleaned.</p>	<p>CONTRACTOR</p>
<p>Site Meetings</p> <p>Not limiting the number of employees at all activities to the minimum required to do the work in a safe manner.</p>	<p>Only necessary meeting participants should attend.</p> <ul style="list-style-type: none"> Attendees should be two metres apart from each other. Rooms should be well ventilated / windows opened to allow fresh air circulation. Consider holding meetings in open areas where possible. Technological alternatives to be exploited for meeting Attendance if possible (Zoom, Skype, MS Teams). Training and awareness to address procedures and the importance of social distancing. Toolbox talks to be conducted outdoors when possible in order for persons to maintain social distancing. Where inclement weather does not allow for this, toolbox talks to be conducted with smaller groupings of workers in a sheltered area large enough to maintain social distancing. 	<p>CONTRACTOR</p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
Signage Conflicting messages/notices displayed on the site in contravention with current requirements to respond to Covid-19	<p>The Principal Contractor is to review all current signs and notices displayed on site. The PC is to avoid conflicting messages/notices that have been in place prior to lockdown and review accordingly.</p> <p>a. Access rules The contractor shall install additional signage with site rules specific to the prevention of spreading the COVID-19 virus at the access control points of the site.</p> <p>b. Notices/Posters with protocols Notices and posters shall be placed and installed to raise awareness and regarding protocols to be followed on site. These notices and posters shall be placed conspicuously at various points on the site including the following places:</p> <ul style="list-style-type: none"> • Entrance • Site notice board • Site Office • Eating areas • Next to toilets and bathrooms • Hand washing stations • Storerooms 	CONTRACTOR
Emergency Planning Emergency plan not completed and undated in line with current Regulations of the National Disaster Management Act	<p>An updated emergency plan is to be completed that is in line with the current Regulations of the National Disaster Management Act.</p> <p>a. First aid Extra gloves, and disinfectants are to be available, first aiders are to be issued with at least FFPT2 masks should they be required to respond</p> <p>b. Evacuation plans Evacuation plans should consider social distancing.</p> <p>c. Isolation of potentially infected workers The emergency plan is to consider how anyone who arrives on site and displays any of the symptoms, or has a raised temperature.</p>	CONTRACTOR

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
<p>Welfare facilities</p> <p>Lack of procedures and arrangements for the provision of welfare facilities to prevent the spread of Covid-19 between employees on site</p>	<p>The Principal Contractor shall adapt arrangements regarding the provision of welfare facilities to be in line with Government guidelines and requirements.</p> <p>a. Clean, storage for food and personal belongings The Principal Contractor to provide lockable storage for all employees on site, which shall be disinfected daily. Training and awareness to address procedures and the importance of good hygiene practice.</p> <p>b. No personal belongings to be kept on site Apart from extra clean personal clothing no other personal belongings allowed on site except if kept in locker provided by the Principal Contractor.</p> <p>c. No communal drinking facilities (shared cups etc.) The Principal Contractor to provide adequate supplies of bottled water to all employees on site. Empty bottles to be disposed of as normal waste. Training and awareness to address procedures and the importance of good hygiene practice.</p> <p>d. Eating areas The Principal Contractor is to limit the number of employees at all activities to the minimum. Stagger lunchbreaks and resting periods for work teams. Training and awareness to address procedures and the importance of good hygiene practice and social distancing.</p> <ul style="list-style-type: none"> Workers are required to stay on site once they have entered it and not use local shops. Dedicated eating areas should be identified on site to reduce food waste and contamination. <p>Where catering is provided on site, it should provide pre-prepared and wrapped food only;</p> <ul style="list-style-type: none"> Payments should be taken by contactless card wherever possible; Crockery, eating utensils, cups etc. should be disposable if supplied; Drinking water should be provided with enhanced cleaning measures of the tap mechanism introduced; Tables should be cleaned and disinfected between each use; All rubbish should be put straight in the bin and not left for someone else to clear up; All areas used for eating must be thoroughly cleaned at the end of each break and shift, including chairs, door handles, vending machines and payment devices. 	<p>CONTRACTOR AND EMPLOYEES</p>

RISK DESCRIPTION	MITIGATION PLAN/ACTION	RESPONSIBILITY
Consequence Management Inadequate processes and procedures in place for consequence management	<ul style="list-style-type: none"> When non-compliance activities are noted, that activity will be stopped. Should the remedial actions not take place the site will be shut down till the corrective actions have been implemented. Employees that do not work according to the SSHSS and SSHSP must be disciplined according to the company's disciplinary codes and practices. Supervisory employees on site must ensure compliance, and when non conformances are noted disciplinary actions should also be followed. Principal Contractor's should note that they could be fined and even according to the Disaster Management Act, arrested. 	CONTRACTOR

**(STAGE 4 LOCKDOWN)
TEMPLATES REQUIRED FOR
COVID-19 IMPLEMENTATION
RISK COMPLIANCE
AND FOR
CONTINUATION OF WORK ON
CONSTRUCTION SITES**

Contents of Templates Required from Contractor

No.	Description	Page
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2	COVID-19 Work Place Preparation Procedure	14
3	Tracking Record Log	18
4	Training Schedule (Contractor Employees)	19
5	COVID-19 Policy	20
5	COVID-19 case reporting template	23

GENERAL NOTE TO CONTRACTORS

WITHIN THE "WORKPLACE PREPARATION PROCEDURE" THE CONTRACTORS ARE REQUIRED TO REPLACE THE HIGHLIGHTED TEXT IN 'RED'; "COMPANY" WITH THEIR 'COMPANY NAME'.

DETERMINATION OF RISK PER ACTIVITY (DOUBLE CLICK IN WORK SHEET TO EDIT)

RISK ROTATION PER ACTIVITY			
	Activity	Total required work force	Rotational work force per Activity
1	Sub Structure	0	
	Excavations		0
	Foundations		0
	Floor Scream		0
	Foundation Walls		0
2	Super Structure	0	
	Brick Layers		0
	Plasters		0
	Electrical First Fix		0
	Mechanical First Fix		0
	Plumbing First Fix		0
	Carpentry First Fix		0
	Painters First Fix		0
	Roof Structure		0
			0
			0
3	Internal finishes	0	
	Carpentry Second Fix		0
	Electrical Second Fix		0
	Plumbing Second Fix		0
	Mechanical Second Fix		0
	Painters Second Fix		0
	Tilers		0
	Floor Finishes		0
4	Site Works	0	
	Back fill excavations		0
	Removal of rubble		0
	Paving		0
	Fencing		0
	Road Works		0
	Land Scaping		0

RISK ROTATION PER ACTIVITY

	Additional Activities identified	Total required work force	Rotational work force per Activity
5		0	
			0
			0
			0
			0
6		0	
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
7		0	
			0
			0
			0
			0
			0
			0
			0
8		0	
			0
			0
			0
			0
			0
			0

Contents of Workplace Preparation Procedures

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2	Scope	15
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5	What to do When a Person Suspected or Confirmed to Have COVID-19 has been in the Workplace	17
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9	Training Schedule	19

1. Purpose

To reduce the risk of COVID-19 outbreak in the workplace and the impact on workers, customers and the public.

2. Scope

Applies to all employees, clients, suppliers and sub-contractors who are associated with [Company]

3. Responsibility

- Contracts Managers and Supervisors
Ensure all workers under their supervision adhere to specifics of this procedure
- COVID Manager
Coordinate the COVID Management Plan/COVID Procedure on behalf of [Company]
- HSE Officers
Develop a COVID-19 specific risk assessment, raise awareness in the workplace, conduct routine monitoring to ensure compliance and put in place corrective measures where required.
- Employees
Cooperate with supervisors by adhering to set guidelines and lawful instructions.

4. Implementing Workplace Controls

The legislation governing workplaces in relation to COVID-19 is the Occupational Health and Safety Act (Act 85 of 1993) as amended in conjunction with the Hazardous Biological Agents Regulation.

A COVID-19 specific risk assessment together with a written policy concerning the health and safety of employees shall be drawn up and communicated to all employees and mitigation Measures which needs to be monitored and adjusted should the need arise.

Workplace Controls:

- All offices (including site offices) will be sanitised before opening for business each day
- Place posters that encourage staying home when sick, cough and sneeze etiquette, and hand hygiene at the entrance of offices and sites.
- On-site induction with special emphasis on COVID-19 will be done with all employees upon return to work.
- Provide tissues and waste bins lined with a plastic bag so that they can be emptied without contacting the contents
- Instruct employees to clean their hands frequently, using soap and water for at least 20 seconds or with an alcohol-based hand sanitizer that contains at least 70% - 95% alcohol.
- Continue routine environmental cleaning, which includes tools and equipment.
- Increase ventilation in offices by natural or mechanical means
- Provide soap and water and/or alcohol-based hand rubs (at least 70%) in the workplace in multiple locations and in common areas to encourage hand hygiene.

- Practice social distancing (2m) as far as possible (no handshakes, hugs, kissing, horseplay or touching each other). Keep distance from each other while working on site. Supervisors will monitor this throughout the day.
- While queuing at the gate to enter the site, employees must stand in a line, with at least 2m between them.
- Desks for employees working in the office (site office) will be spaced at least 1.5m apart, or placement of one person per office will be implemented.
- It is compulsory to wear face masks at all times. Each employee will be issued with two cloth face masks to wear at work and while commuting, with appropriate training on the use of these masks. Arrangements will be made for the washing, drying and ironing of cloth masks.
- Temperature testing will be done on all employees every morning upon arrival to site, and also randomly during the day. All readings will be recorded, monitored and sent to the SHEQ department. The testing will be conducted by the site safety officer. On sites where a full-time safety officer is not available, the responsibility will fall onto the supervisor.
- During the temperature screening, employees will be screened for any additional symptoms such as body aches, loss of smell or taste, nausea, vomiting, diarrhea, fatigue, weakness or tiredness. The results will be recorded in the Social Distancing Control Sheet and send to the SHEQ department. If an employee displays any of the symptoms, he will not be permitted to enter the site/offices.
- In addition to posters, brief employees and sub-contractors that anyone with a mild cough or low-grade fever (37.3 or more) needs to stay at home and take sick leave.
- Any employee who develops flu-like symptoms (i.e. cough, shortness of breath, fever) or any of the additional symptoms should inform his supervisor immediately.
- Where practical, the minimum number of employees will be allowed on site, and rotation staggered working hours and shift work may be implemented. Promote working from home for employees who are able to do so.
- All visitors to site will undergo induction and temperature screening and must be in possession of the appropriate PPE (i.e. face mask) prior to being allowed access to site. No access will be granted to visitors not complying.
All visitors will be required to sanitize their hands before entering the site as well as when they leave.
- Sub-contractors shall ensure that all of their employees are issued with face masks and any other necessary PPE, and that hand sanitizer and soap is available for their employees. Temperature testing will be done by [Company] and records kept. Failure to do so will result in the sub-contractor employee/s being put off-site until compliant.
- A copy of the Essential Service Permit must be available on site at all times. All sub-contractors to provide a copy of their Permit prior to being granted permission to work.
- All employees are obliged to comply with measures introduced in the workplace.

5. What to do When an Employee on site becomes ill with COVID-19

If someone becomes ill in the workplace and there is reason to suspect they may have contracted or come into contact with someone who has contracted the COVID-19 virus, the person must be isolated immediately, provided with a FFP1 surgical mask, and transport arranged for the employee to go home to be self-isolated or for medical examination. Ensure testing is done at an identified testing site.

The Department of Health and Department of Labour will be informed of any employees testing positive for COVID-19, where after an investigation will be conducted to establish the cause, including any control failures. The risk assessment will be reviewed to ensure necessary controls and PPE is in place.

The risk of transmission will be assessed, the employees working area disinfected.

If an employee is confirmed to have COVID-19, his/her fellow employees will be informed of their possible exposure to COVID-19 in the workplace and referred for screening, but confidentiality must be maintained at all times, and no discrimination shown toward an employee who tested positive for COVID-19.

If evidence exist that the employee contracted COVID-19 as a result of Occupation Exposure, a Claim for Compensation will be lodged in terms of the Compensation of Occupational Injuries and Diseases Act 1993 (Act No. 130 of 1993) in accordance with Notice 193 published on 3 March 2020.

Once an employee was positively diagnosed with COVID-19 and isolated in accordance with the Department of Health Guidelines, the employee may only return to work after he has undergone a medical evaluation confirming the employee has tested negative for COVID-19. The employee will be required to wear a face mask, maintain social distancing and adhere to cough and sneeze etiquette. The employee will also be monitored for symptoms upon his/her return to work.

6. Transport

- Where transport is provided, occupancy of the vehicle should be reduced in line with social distancing practice.
- All passengers must wear face masks or respirators.
- All passengers to sanitize their hands before getting into the transport, as well as when disembarking.
- Transport vehicles should be sanitized before and after each trip.
- Employees making use of public transport to ensure they wear face masks and sanitize their hands regularly (before getting into the transport and when disembarking). Attempt to not touch any surfaces unless absolutely necessary.

7. Meetings

Wherever possible, meetings to be held via tele or video conference in order to maintain social distancing and prevent the possible spread of COVID-19.

Toolbox talk meetings, inductions and briefing sessions should be done in open areas with social distancing in place.

8. Tracking Record log (Employees/Visitors)

[illegible]

9. Training Schedule (Employees)

Training Attendance Register

Training Description:			Session No

Date of training			
------------------	--	--	--

Time training started		Time training ended	
-----------------------	--	---------------------	--

Duration of training			
----------------------	--	--	--

Instructor name and signature			
-------------------------------	--	--	--

Training provided (Tick applicable box)			
Read only	Class Room	Practical Demonstration	Communicated Changes

Employee number	Employee name	Employee signature <small>(Signature indicates acknowledgement that training was understood)</small>	Type of training received

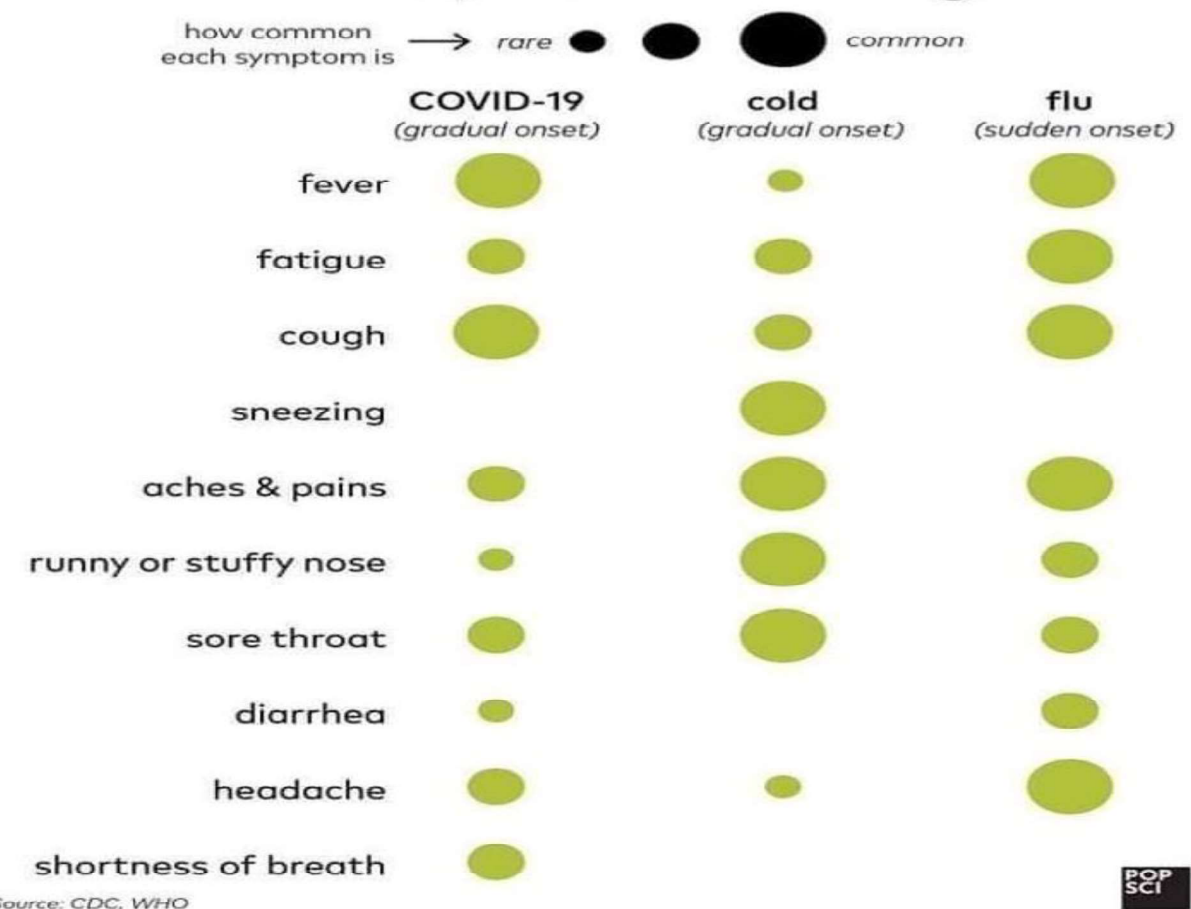
Coronavirus Policy

The Occupational Health and Safety Act clearly dictates to employers that they need to ensure a working environment that is healthy and safe for all employees. In this regard, [Company] is therefore obligated to ensure that it always looks after its employees' well-being whilst the employees are at the workplace. [Company] will identify medical facilities in the area of operations that are best suited to evaluate and treat any employee that is suspected of having the virus.

Symptoms:

- Coughing
- Fever
- Shortness of Breath
- Pneumonia
- Vomiting
- Diarrhoea
- Sever pneumonia
- Kidney Failure

Is it coronavirus, or is it something else?



Transmittal of the Virus:

- Direct contact
- Droplets from patient's coughing and sneezing
- Contact with patients' belongings followed by touching your mouth or nose.

Protecting Yourself:

- Avoid contact with others, and wash your hands frequently
- Maintain good hygiene habits
- Wear a face mask when infected and when dealing with infected patient
- Use tissues when coughing or blowing nose
- Wash and prepare food carefully
- Exercise and proper sleep will bolster the immune system

Should you display any of the Symptoms:

- Stay home and inform your supervisor telephonically of your absence.
- Obtain medical attention.
- Employees should follow the guidance as provided by the Department of Health and inform public authorities promptly.
- The Basic Conditions of Employment Act (BCEA). Section 22 thereof stipulates the period to which an employee is entitled to sick leave. Generally, an employee is entitled to 30 days sick leave during a 36 month or three-year cycle, following commencement of employment. Section 23 of the BCEA stipulates that should the employee be absent for a period longer than two consecutive days or be absent on more than two occasions during an eight-week period, the employer is not obliged to pay that employee their sick leave benefit unless that employee provides a valid medical certificate citing the reason for the incapacity during that period. Such a medical certificate must be issued and signed by a registered medical practitioner.
- If an employee is placed in compulsory quarantine and produces a valid medical certificate to that effect, the employer must deduct such period of absence from the employee's current sick leave cycle and also pay the employee the equivalent of the remuneration they would have received during this period. Should the employee have exhausted their sick leave allotment at the time of being placed in quarantine then, the employer may deduct this period either from the employee's annual leave or may choose to classify the absence as unpaid leave. In this regard, the employee may claim remuneration in terms of S20 of the Unemployment Insurance Fund (UIF) Act.
- If an employee chooses to voluntarily quarantine themselves on approval by his/her Manager, by staying at home to avoid contracting the virus, then this period of absence will not qualify as sick leave. Such period of absence will be taken out of the employees' normal leave cycle and if that employee no longer has any leave entitlement, then this period may be taken as unpaid leave.
- Should the employer reduce working hours as a consequence of the COVID-19 virus, then employees are entitled, as per Section 12 of the UIF Act to claim remuneration from the Fund if the reduction of hours or "unemployment" lasts longer than fourteen (14) days.
- An instance may arise whereby an employer seeks an employee to be placed in quarantine due to the employee having been in contact with an individual who has been diagnosed with the virus or perhaps

the employee has recently travelled overseas to an affected area or perhaps the employee presents with symptoms similar to those associated with the COVID-19. During such absence imposed by the employer, should the employee be diagnosed with the virus and the employee presents a valid medical certificate to that effect, the employer may treat such absence as sick leave. Due to the operational requirements, the employer may assign tasks to the employee which they can then carry out at home or at their chosen site of quarantine should the employer deem it necessary for their employees to be quarantined. If the employees render services from home during this period, they will be entitled to their normal remuneration, and no leave may be deducted.

- Should an unlikely scenario arise whereby The State declares that schools and businesses are to be closed because of the virus, then such an instruction would be through no fault of the employer. After receiving such instruction, employers should consult with their employees and discuss an appropriate way to deal with the shut-down. If the operational requirements of the employer permits, then perhaps the time during which the business is closed can be seen as annual leave. Or, if the employer implements a system of working from home, then this work will be with pay.
- In the case of a positive outcome for the Coronavirus, the site where the affected employee is from will be closed and the rest of the employees will be tested and quarantined.

The most important thing to do is stay calm, carry on as usual and exercise good personal hygiene habits.

10. COVID-19 Case Reporting Template

Reporter Name

First Name

Last Name

Reporter Phone

Number

Area Code

Phone Number

Reported Name

First Name

Last Name

Reported Phone

Number

Area Code

Phone Number

Report Date & Time

Date

Hour

Minutes

When did you first

Suspect?

Date

Hour

Minutes

Why are you reporting this person?

☐ Coughing

☐ Fever

☐ Having shortness of breath

☐ Feeling persistent pain or pressure in the chest

☐ Having confusion or inability to arouse

☐ Just came from abroad, carrying highly risk of COVID-19

Comments

C3.1 HIV/AIDS SPECIFICATION



DEPARTMENT OF PUBLIC WORKS

HIV/AIDS

SPECIFICATION FOR

CIVIL CONTRACTS

APRIL 2004

NOTES TO CONSULTANTS

Please include the following note to tenderers, Preliminary and General items and HIV/AIDS Specification with the attached schedules in the appropriate Sections in the Bill of Quantities.

NOTES TO TENDERERS

HIV/AIDS AWARENESS

These Bills of Quantities contain items relating to HIV/AIDS awareness. The items have been included under “Section 1: Preliminary and General” to enable tenderers to allow for the implementation of prescribed HIV/AIDS awareness specifications for the benefit of all workers under this Contract.

Tenderers must take note that compliance with the HIV/AIDS awareness programme is compulsory.

SECTION 1: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	C
		HIV/AIDS AWARENESS					
1. ...		It is required of the Contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under items 1. to 1. ... hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained The Contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the Representative/Agent, notwithstanding the provisions of Clause 52 of the General Conditions of Contract for Works of Civil Engineering Construction or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the Contractor provides satisfactory proof of compliance. The Contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment					
1. ...		AWARENESS CHAMPION Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification	Sum				
1. ...		AWARENESS WORKSHOPS Selection and appointment of a competent Service Provider approved by the Representative/Agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification	Sum				
1. ...		POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification	Sum				
1. ...		ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification	Sum				
1....		MONITORING Monitoring HIV/AIDS awareness of workers, providing the Representative/Agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification	Sum				

SECTION

HIV/AIDS SPECIFICATION

HIV/AIDS REQUIREMENTS

1 SCOPE

This specification contains all requirements applicable to the Contractor for creating HIV/AIDS awareness amongst all of the Workers involved in this project for the duration of the construction period, through the following strategies:

- Raising awareness about HIV/AIDS through education and information on the nature of the disease, how it is transmitted, safe sexual behaviour, attitudes towards people affected and people living with HIV/AIDS, how to live a healthy lifestyle with HIV/AIDS, the importance of voluntary testing and counselling, the diagnosis and treatment of Sexually Transmitted Infections and the closest health Service Providers
- Informing Workers of their rights with regard to HIV/AIDS in the workplace
- Providing Workers with access to condoms and other awareness material that will enable them to make informed decisions about sexual practices

2 DEFINITIONS AND ABBREVIATIONS

2.1 Definitions

Service Provider: The natural or juristic person recognised and approved by the Department of Public Works as a specialist in conducting HIV/AIDS awareness programmes

Service Provider Workshop Plan: A plan outlining the content, process and schedule of the training and education workshops, presented by a Service Provider which has been approved by the Representative/Agent

Worker: Person in the employ of the Contractor or under the direction or supervision of the Contractor or any of his Sub-contractors, who is on site for a minimum period of 30 days in all

2.2 Abbreviations

HIV	:	Human Immunodeficiency Virus
AIDS	:	Acquired Immune Deficiency Syndrome
STI	:	Sexually Transmitted Infection

3 BASIC METHOD REQUIREMENT

The Contractor shall, through a Service Provider, conduct onsite workshops with the Workers

The Service Provider shall develop and compile a Service Provider Workshop Plan to be presented at the workshops and which will be best suited for this project to achieve the specified objectives with regard to HIV/AIDS awareness.

The Service Provider Workshop Plan shall be based on the following information provided by the Contractor:

- Number of Workers and Sub-contractors on site
- When new Workers or Sub-contractors will join the construction project
- Duration of Workers and Sub-contractors on site

- How the maximum number of Workers can be targeted with workshops
- How the Contractor prefers workshops to be scheduled, e.g. three hourly sessions per Worker, or one 2.5 hour workshop per Worker
- Profile of Workers, including educational level, age and gender (if available)
- Preferred time of day or month to conduct workshops
- A Gantt chart reflecting the construction programme, for scheduling of workshops
- Suitable venues for workshops

The Contractor shall submit the Service Provider Workshop Plan for approval within 21 days after the tender acceptance date. After approval by the Representative/Agent, the Contractor shall make available a suitable venue that will be conducive to education and training

The Service Provider Workshop Plan shall address, but will not be limited to the following:

- 3.1 The nature of the disease;
- 3.2 How it is transmitted;
- 3.3 Safe sexual behaviour;
- 3.4 Post exposure services such as voluntary counselling and testing (VCT) and nutritional plans for people living with HIV/AIDS;
- 3.5 Attitudes towards other people with HIV/AIDS;
- 3.6 Rights of the Worker in the workplace;
- 3.7 How the Awareness Champion will be equipped prior to commencement of the HIV/AIDS awareness programme with basic HIV/AIDS information and the necessary skills to handle questions regarding the HIV/AIDS awareness programme on site sensitively and confidentially;
- 3.8 How the Service Provider will support the Awareness Champion;
- 3.9 Location and contact numbers of the closest clinics, VCT facilities, counselling services and referral systems;
- 3.10 How the workshops will be presented, including frequency and duration;
- 3.11 How the workshops will fit in with the construction programme;
- 3.12 How the Service Provider will assess the knowledge and attitude levels of attendees to structure workshops accordingly;
- 3.13 How the video will be used;
- 3.14 How the Service Provider will elicit maximum participation from the Workers;
- 3.15 A questions and answers slot (interactive session)

The Service Provider Workshop Plan shall encompass the Specific Learning Outcomes (SLO) as stipulated

4 HIV/ AIDS AWARENESS EDUCATION AND TRAINING

4.1 Workshops

The Contractor shall ensure that all Workers attend the workshops

The workshops shall adequately deal with all the aspects contained in the Service Provider Workshop Plan. A video of HIV/AIDS in the construction industry, which can be obtained from all Regional Offices of the Department of Public Works, is to be screened to Workers at workshops. In order to enhance the learning experience, groups of not exceeding 25 people shall attend the interactive sessions of the workshops

4.2 **Recommended practice**

4.2.1 **Workshop Schedule**

Presenting information contained in the Service Provider Workshop Plan can be divided in as many workshop sessions as deemed practicable by the Contractor, provided that all Workers are exposed to all aspects of the workshops as outlined in the Service Provider Workshop Plan

Breaking down the content of information to be presented to Workers into more than one workshop session however, has the added advantage that messages are reinforced over time while providing opportunity between workshop sessions for Workers to reflect and test information. Workers will also have an opportunity to ask questions at a following session

4.2.2 **Service Providers**

A database of recommended Service Providers is available from all Regional Offices of the Department of Public Works

4.2.3 **HIV/AIDS Specific Learning Outcomes and Assessment Criteria**

Workers shall be exposed to workshops for a minimum duration of two-and-a-half hours. In order to set a minimum standard requirement, the following specific learning outcomes and assessment criteria shall be met

4.2.3.1 **UNIT 1: The nature of HIV/AIDS**

After studying and understanding this unit, the Worker will be able to differentiate between HIV and AIDS and comprehend whether or not it is curable. The Worker will also be able to explain how the HI virus operates once a person is infected and identify the symptoms associated with the progression of HIV/AIDS

Assessment Criteria:

1. Define and describe HIV and AIDS
2. List and describe the progression of HIV/AIDS

4.2.3.2 **UNIT 2: Transmission of the HI virus**

After studying and understanding this unit, the Worker will be able to identify bodily fluids that carry the HI virus. The Worker will be able to recognise how HIV/AIDS is transmitted and how it is not transmitted

Assessment Criteria:

1. Record in what bodily fluids the HI virus can be found
2. Describe how HIV/AIDS can be transmitted
3. Demonstrate the ability to distinguish between how HIV/AIDS is transmitted and misconceptions around transmittance of HIV/AIDS

4.2.3.3 **UNIT 3: HIV/AIDS preventative measures**

After studying and understanding this unit, the Worker will comprehend how to act in a way that would minimise the risk of HIV/AIDS infection and to use measures to prevent the HI virus from entering the bloodstream

Assessment Criteria:

1. Report on how to minimise the risk of HIV/AIDS infection
2. Report on precautions that can be taken to prevent HIV/AIDS infection
3. Explain or demonstrate how to use a male and female condom
4. List the factors that could jeopardize the safety of condoms provided against HIV/AIDS transmission

4.2.3.4 UNIT 4: Voluntary HIV/AIDS counselling and testing

After studying and understanding this unit, the Worker will be able to recognise methods of testing for HIV/AIDS infection. The Worker will be able to understand the purpose of voluntary HIV/AIDS testing and pre- and post-test counselling

Assessment Criteria:

1. Describe methods of testing for HIV/AIDS infection
2. Report on why voluntary testing is important
3. Report on why pre- and post-test counselling is important

4.2.3.5 UNIT 5: Living with HIV/AIDS

After studying and understanding this unit, the Worker will be able to recognise the importance of caring for people living with HIV/AIDS and be able to manage HIV/AIDS

Assessment Criteria

1. List and describe ways to manage HIV/AIDS
2. Describe nutritional needs of people living with HIV/AIDS
3. Describe ways to embrace a healthy lifestyle as a person living with HIV/AIDS
4. Explain the need for counselling and support to people living with HIV/AIDS

4.2.3.6 UNIT 6: Treatment options for people with HIV/AIDS

After studying and understanding this unit, the Worker will be familiar with the various treatments available to HIV/AIDS infected or potentially HIV/AIDS infected people

Assessment Criteria

1. Discuss anti-retroviral therapy
2. List methods of treatment to prevent HIV/AIDS transmission from mother-to-child
3. Describe the need for treatment of opportunistic diseases for people living with HIV/AIDS
4. Describe post exposure prophylactics

4.2.3.7 UNIT 7: The rights and responsibilities of Workers in the workplace with regard to HIV/AIDS

After studying and understanding this unit, the Worker will be able to identify the rights and responsibilities of the Worker living with HIV/AIDS in the workplace. The Worker will recognise the importance of accepting colleagues living with HIV/AIDS and treating them in a non-discriminative way

Assessment Criteria:

1. Discuss the rights of a person living with HIV/AIDS in the workplace
2. Discuss the responsibilities of a person living with HIV/AIDS in the workplace
3. Report on why acceptance and non-discrimination of colleagues living with HIV/AIDS is important

4.3 Displaying of plastic laminated posters and distribution of information booklets

The Contractor shall obtain a set of four laminated posters conveying different key messages and information booklets, which are available from all Regional Offices of the Department of Public Works

The above-mentioned posters and information booklets have been prepared to raise awareness and to share information about HIV/AIDS and STI's

Posters or display stands shall be displayed on site as soon as possible, but not later than 14 days after the date of site handover

Posters shall be displayed in areas highly trafficked by Workers, including toilets, rest areas, the site office and compounds

The posters on display must always be intact, clear and readable

Information booklets must be distributed to all Workers as soon as possible, but not later than 14 days after site handover, or as soon as the Worker joins the site

5 PROVIDING WORKERS WITH ACCESS TO CONDOMS

The Contractor shall provide and maintain condom dispensers and make both male and female condoms, complying with the requirements of SABS ISO 4074, available at all times to all Workers at readily accessible points on site, for the duration of the contract. The Contractor may obtain condom dispensers from the Department of Health and condoms may be obtained from the Local Clinic or the Department of Health

At least one male and one female condom dispenser and a sufficient supply of condoms, all to the approval of the Representative/Agent, shall be made available on site within 14 days of site hand over. Contractors should note that arrangements to obtain condoms from the Department of Health Clinics prior to site hand over may be necessary, to ensure that condoms are available within 14 days of site handover

Condoms shall be made available in areas highly trafficked by Workers, including toilets, the site office and compounds

6 ENSURING ACCESS TO HIV/AIDS TESTING AND COUNSELLING FACILITIES AND TREATMENT OF SEXUALLY TRANSMITTED INFECTIONS (STI)

The Contractor shall provide Workers with the names of the closest Service Providers that provide HIV/AIDS testing and counselling and Clinics providing Sexually Transmitted Infection (STI) diagnosis and treatment. Information on these Service Providers and Clinics must be displayed on a poster of a size not smaller than A1 in an area highly trafficked by Workers

7 APPOINTMENT OF AN HIV/AIDS AWARENESS CHAMPION

Within 14 days of site handover the Contractor shall appoint an Awareness Champion from amongst the Workers, who speaks, reads and writes English, who speaks and understands all the local languages spoken by the Workers and who shall be on site during all stages of the construction period. The Contractor shall ensure that the Awareness Champion has been trained by the Service Provider on basic HIV/AIDS information, the support services available and the necessary skills to handle questions regarding the HIV/AIDS programme in a sensitive and confidential manner

The Awareness Champion shall be responsible for:

- 7.1 Liasing with the Service Provider on organising awareness workshops;
- 7.2 Filling condom dispensers and monitoring condom distribution;
- 7.3 Handing out information booklets;
- 7.4 Placing and maintaining posters

8 MONITORING

The Contractor shall grant to the Representative/Agent reasonable access to the construction site, in order to establish that the Contractor complies with his obligations regarding HIV/AIDS awareness under this contract

The Contractor must report problems experienced in implementing the HIV/AIDS requirements to the Representative/Agent

The attached SITE CHECKLIST (SCHEDULE A) shall be completed and submitted at every construction progress inspection to the Representative/Agent

The attached SERVICE PROVIDER REPORT (SCHEDULE B) shall be completed and submitted on a monthly basis to the Department's Project Manager, through the Representative/Agent

The attached CONTRACTOR HIV/AIDS PROGRAMME REPORT (SCHEDULE C), a close out programme report, shall be completed by the Contractor at the end of the contract

SCHEDULE A

HIV/AIDS PROGRAMME : SITE CHECKLIST

When did construction commence _____

Name of Departmental Project Manager _____

Please refer to HIV/AIDS Programme activities during the reporting period

Tick the block if Contractor satisfactorily complied with specifications		P1			P1			P1			P1			P1			P1				
		D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M	D	D	M	M
DATE																					
Programme implemented within 14 days of site handover																					
Awareness champion on site																					
HIV/AIDS awareness service provider report																					
Male condom dispenser																					
Sufficient male condoms available																					
Male condom dispenser in a highly trafficked area																					
Female condom dispenser																					
Sufficient female condoms available																					
Female condom dispenser in a highly trafficked area																					
All four types of posters displayed																					
Posters in a good condition																					
Posters in a highly trafficked area																					
Posters displayed on local support services: clinic & VCT centre																					
Support service poster/s in highly trafficked area																					
Support service poster/s in a good condition																					

Please indicate the applicable number for the reporting period								
Workers on payroll (at P1)								
Sub-Contractors who will be on site for longer than 30 days (at P1)								
Workshop attendees								
Number of workshops held								
Scheduled workshops according to approved workshop plan								
Booklets distributed								
Male condoms distributed								
Female condoms distributed								
Representative/Agent								
Contractor								

Date of progress inspection (dd/mm/yy) _____

Reporting period: (dd/mm/yy)_____ to (dd/mm/yy) _____

Deviations from HIV/AIDS awareness programme plan:

--

Corrective actions

--

Representative/Agent

Departmental Project Manager

Date

Date

SCHEDULE B**HIV/AIDS AWARENESS PROGRAMME: SERVICE PROVIDER REPORT**

Reporting period: (dd/mm/yy)_____ to (dd/mm/yy) _____

Number of workshops conducted in reporting period _____

Number of scheduled workshops according to approved workshop plan _____

Deviations from workshop plan:

--

State reasons for deviating from workshop plan:

--

Corrective actions:

--

Service Provider_____
Contractor_____
Date_____
Date

HIV/AIDS AWARENESS PROGRAMME : WORKSHOP CONTENT ADDRESSED

Fill in the applicable information with regard to each workshop conducted	
DATE	<div><div>W/S</div><div>D D M M</div></div> <div><div>W/S</div><div>D D M M</div></div> <div><div>W/S</div><div>D D M M</div></div> <div><div>W/S</div><div>D D M M</div></div> <div><div>W/S</div><div>D D M M</div></div> <div><div>W/S</div><div>D D M M</div></div>
Content of workshop: (Mark the content included)	
SLO1	
SLO2	
SLO3	
SLO4	
SLO5	
SLO6	
SLO7	
HIV/AIDS in construction video	
Indicate the duration of the workshop in hours	
Total number of Workers	
Indicate workshop venue	

HIV/AIDS AWARENESS PROGRAMME: ATTENDANCE REGISTER

Fill in your name and indicate attendance by ticking the appropriate date

[illegible]

SCHEDULE C

CONTRACTOR HIV/AIDS PROGRAMME REPORT

Project name _____

Project Location _____

Contract value of project (R) _____

Department of Public Works Project Manager _____

HIV/AIDS Programme duration: (dd/mm/yy) _____ to (dd/mm/yy) _____

AWARENESS MATERIAL

Describe location of posters displayed during the programme _____

Comments on posters _____

Indicate total number of booklets distributed _____

Comments on booklets _____

CONDOMS

Indicate total number of male condoms distributed _____

Indicate total number of female condoms distributed _____

Describe where male condom dispenser was placed _____

Describe where female condom dispenser was placed _____

HIV/AIDS WORKSHOPS

Indicate the total number of HIV/AIDS workshops conducted _____

Indicate the duration of workshops _____

Indicate the total number of Workers that participated in the HIV/AIDS workshops _____

Indicate the total number of Workers that were exposed to the video on HIV/AIDS in the Construction Industry _____

Comments on HIV/AIDS workshops on site _____

GENERAL

Briefly describe programme activities and satisfaction with outcome _____

Additional comments, suggestions or needs with regard to the HIV/AIDS awareness programmes on site

Yes	No	Currently developing one
-----	----	--------------------------

Please indicate if your company has a formal HIV/AIDS policy focussing on HIV/AIDS awareness raising and care and support of HIV/AIDS Workers

Please indicate if, to your knowledge, you have lost any workers during the duration of the project to HIV/AIDS related sicknesses. One or more of the following might indicate an HIV/AIDS related death:

Excessive weight loss
Reactive TB
Hair loss
Severe tiredness

Coughing or chest pain
Pain when swallowing
Persistent fever
Diarrhoea

Vomiting
Meningitis
Memory loss
Pneumonia

Number of HIV/AIDS-related deaths _____

Contractor

Date

Departmental Project Manager

Date

SPECIFICATION FOR HIV/AIDS AWARENESS

1. Scope

This generic specification contains requirements applicable to the reduction of the risk of transfer of the HIV virus between and among construction workers and the local community through the following four categories:

- a) Raising awareness about HIV/AIDS;
- b) Providing construction workers with access to condoms;
- c) HIV counseling, testing and referral services; and
- d) Sexually Transmitted Infection diagnosis and treatment.

2. Normative references

The following standard contains provisions that, through reference in this text, constitute provisions of this standard:

SANS 4074 ISO 4074, *Condom Rubbers*

3. Definitions and Abbreviations

3.1 Definitions

Construction worker: all persons in the employ of the contractor or in the employ of any of the subcontractors contracted by the contractor.

Local community: The communities' local to the site which are most likely to have contact with the construction worker and, in particular, sex workers in those communities.

Service provider: the natural or juristic person recognised by the South African Department of Roads and Public Works as specialist in conducting Aids Awareness Programmes.

3.2 Abbreviations

STI: Sexually transmitted infection

HIV: Human Immunodeficiency Virus

AIDS: Acquired Immune Deficiency Syndrome

4. Objectives

The objectives are to:

- a) Reduce the risk of transfer of the HIV virus between and among construction workers and the local community;
- b) Raise awareness amongst construction workers and the local community of the risk of infection with the HIV virus;
- c) Promote early diagnosis; and
- d) Assist affected individuals to access care and counseling.

5. Requirements

5.1 General requirements

The contractor shall, in order to satisfy the objectives stated in 4:

- a) Make condoms complying with the requirements of SABS ISO 4074 available to all construction workers at readily accessible points on the site, suitably protected from the elements, for the duration of the contract;
- b) Either place and maintain HIV/AIDS awareness poster of size of not less than A1 in areas which are highly trafficked by construction workers, or provide construction workers with a pamphlet, in languages largely understood by construction workers, which
- c) Encourage voluntary HIV/STI testing;
- d) Provide information concerning counseling, support and care of those that are infected services; and
- e) Comply with the requirements of 5.2

5.2 HIV awareness programme

- 5.2.1 The contractor shall:
 - a) Once the contractor have established site, he/she must go to the local Community Health Centre and report the project and that he will be recruiting local labour and that he/she would want them to conduct the HIV training and awareness.
- 5.2.2 The contractor shall do nothing to dissuade construction workers from attending such an HIV Awareness Programme and shall take all reasonable steps to ensure that a minimum of 90% of construction workers engaged in the works attend such a programme, when it is conducted.
- 5.2.3 The outcomes of the HIV Awareness Programme shall as a minimum, result in contract workers exposed to such a programme being able to:
 - a) Communicate the existence of problems of HIV and be able to outline the consequences of transmission of HIV to or from the local community;
 - b) Recall and communicate the mode of HIV transmission and preventative measures including the proper use of the condom.

The HIV/AIDS awareness programme described in 5.2 is to be done once off at the start of the contract.

5.3 Reporting

- 5.3.1 The contractor shall prepare and attach to his claims for payment a brief report which outlines how the actions taken by the contractor in the period for which payment is claimed satisfy the requirements and a schedule which lists the names, identity numbers, trade / occupation and name of employer of all construction workers exposed to the programme (see HIV/STI Compliance Report)
- 5.3.2 The employer's representative shall certify the report and schedule described in 5.3.1 whenever a claim for payment is issued to the employer.

Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer may apply any of the sanctions provided for the contract. Sanctions may include the application of a financial penalty of 0.05% of the Contract Sum.

The HIV/AIDS awareness programme described in 5.2 shall in addition be conducted for the benefit of the local community on one occasion in the community centre nearest to the building site. The contractor shall be responsible for inviting identifiable community-based institutions and organizations, churches, and schools to participate in the programme.

INDEPENDENT DEVELOPMENT TRUST

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

C4 Site Information

ADDENDUM A

Occupational Health and Safety Regulations

GOVERNMENT NOTICE

DEPARTMENT OF LABOUR

No. R.

7 February 2014

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

CONSTRUCTION REGULATIONS, 2014

The Minister of Labour has under section 43 of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), after consultation with the Advisory Council for Occupational Health and Safety, made the regulations in the Schedule.

ADDENDUM A

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993
Regulation 3 of the Construction Regulations, 2014

NOTIFICATION OF CONSTRUCTION WORK

1.(a) Name and postal address of principal contractor:

(b) Name and tel. no of principal contractor's contact person:

2. Principal contractor's compensation registration number: _____

3.(a) Name and postal address of client:

(b) Name and tel no of client's contact person or agent:

4.(a) Name and postal address of designer(s) for the project:

(b) Name and tel. no of designer(s) contact person:

5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 6.(1). _____

6. Name/s of principal contractor's sub-ordinate supervisors on site appointed in terms of regulation 6.(2).

7. Exact physical address of the construction site or site office:

8. Nature of the construction work:

9. Expected commencement date: _____

10. Expected completion date: _____

11. Estimated maximum number of persons on the construction site.

12. Planned number of contractors on the construction site accountable to principal contractor:

13. Name(s) of contractors already chosen.

Principal Contractor

Date

Client

Date

- THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR **PRIOR TO COMMENCEMENT** OF WORK ON SITE.
- **ALL PRINCIPAL CONTRACTORS** THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER PRINCIPAL CONTRACTOR ON THE SAME SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

ADDENDUM B

Occupational Health and Safety Specification

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways..

INDEPENDENT DEVELOPMENT TRUST

(Hereinafter referred to as the Employer)

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

This specification shall be used in conjunction with all other applicable safety specifications, legislation and regulations in force at the time of the contract. Where unique site specifications are in force, those site specifications shall take precedence over this Specification.

ADDENDUM “A”

PRO-FORMA AGREEMENT IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY ACT 1993

PRO-FORMA AGREEMENT IN TERMS OF

OCCUPATIONAL HEALTH AND SAFETY ACT 1993 – SECTION 37 (2)

NEW CONSTRUCTION SAFETY REGULATIONS

The above-mentioned regulations were promulgated in the Govt. Gazette on Friday, 18 July 2014 under the Occupational Health & Safety Act (85 of 1993) and are now in force.

The Employer and the Contractor hereby agree, in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act 1993 (Act 85 of 1993, hereinafter referred to as the Act), that the following arrangements and procedures shall apply between them to ensure compliance by the Contractor with the provisions of the Act, namely:

- (a) The Contractor undertakes to acquaint the appropriate officials and employees of the Contractor with all the relevant provisions of the Act and the regulations promulgated in terms of the Act, and the Employer's Health and Safety Specifications included in the contract documents.
- (b) The Contractor undertakes that all relevant duties, obligations and prohibitions imposed in terms of the Act and Regulations and the Employer's Health and Safety Specifications included in the contract documents will be complied with in all respects.
- (c) In relation to any work or activity performed by the Contractor, his workmen or any other person for whose acts or omissions the Contractor is responsible in terms of the Contract, the Contractor hereby accepts sole liability for such due compliance with the relevant duties, obligations and prohibitions imposed by the Act and Regulations and expressly absolves the Employer from itself being obliged to comply with any of the aforesaid duties, obligations and prohibitions.
- (d) The Contractor agrees that any duly authorised officials of the Employer shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the Contractor has complied with his undertakings as set out more fully in paragraphs (a) and (b) above, which steps may include, but will not be limited to, the right to inspect any appropriate site or premises occupied by the Contractor, or to inspect any appropriate records held by the Contractor.
- (e) The Contractor shall be obliged to report forthwith in writing to the Representative/Agent full details of any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the Act and Regulations, pursuant to work performed in terms of this Contract.
- (f) Forward "safety meeting" minutes to the representative/Agent.

For the Employer: _____ Date: _____

Witnesses: 1) : _____ 2) _____

For the Contractor: _____ Date: _____

Witnesses: 1) : _____ 2) _____

ADDENDUM “B”

NOTIFICATION OF CONSTRUCTION WORK

NOTIFICATION OF CONSTRUCTION WORK
(Regulation 3 of the Construction Regulations, 2014)

1. CONTRACTOR

1.1 Name and postal address of Contractor :

1.2 Name and telephone number of Contractor's contact person :

1.3 Contractor's compensation registration number :

1.4 Name and telephone number of Contractor's Construction Supervisor :

1.5 Physical address of the construction site or site office:

1.5 Estimated number of persons on the construction site :

1.6 Estimated number of Subcontractors on the construction site accountable to the Contractor :

2. EMPLOYER

2.1 Name and postal address of Employer :

2.2 Name and telephone number of Employer's Principal Agent:

3. DESIGN CONSULTANTS

3.1 Name and postal address of design consultants:

3.1.1 Construction project managers/ Principal Agents:

Osmond Lange Architects
1st Floor Pilot Mill House, The Quarry
Selborne, East London
5217
Tel: 043 721 0033
Fax: 043 721 0038

3.1.2 Architects:

Osmond Lange Architects
1st Floor Pilot Mill House, The Quarry
Selborne, East London
5217
Tel: 043 721 0033
Fax: 043 721 0038

3.1.3 Structural engineer :

BVI Consulting Engineers
Unit 2 & 3, 56 Bonza Bay Road
Beacon Bay, East London
5241
Tel: 043 722 2738
Fax:

3.1.4 Electrical engineer:

Carifro Consulting Engineers
4-6 Belgrave Road
Belgravia, East London
5213
Tel: 043 743 8266
Fax:

3.1.5 Mechanical engineer :

Carifro Consulting Engineers
4-6 Belgrave Road
Belgravia, East London
5213
Tel: 043 743 8266
Fax:

3.1.6 Civil engineer :

BVI Consulting Engineers
Unit 2 & 3, 56 Bonza Bay Road
Beacon Bay, East London
5241
Tel: 043 722 2738
Fax:

3.1.7 Security engineer :

To be appointed at a later stage if necessary

3.1.8 Other (if any) :

3.2 Name and telephone number of design consultant's contact person :

3.2.1 Construction project managers/ Principal Agent :

AS PER ABOVE 3.1

3.2.2 Architects :

AS PER ABOVE 3.1

3.2.3 Structural engineer :

AS PER ABOVE 3.1

3.2.4 Electrical engineer :

AS PER ABOVE 3.1

3.2.5 Mechanical engineer :

AS PER ABOVE 3.1

3.2.6 Civil engineer :

AS PER ABOVE 3.1

3.2.7 Security engineer :

To be appointed at a later stage if necessary

3.2.8 Other (if any) :

4. THE WORKS

Nature of the works:

Construction of Early Childhood Development Centre at KwaMatambo SPS comprising of Building works consisting of 3 x new grade R classrooms, 3 x new sickbays, 3 x new storerooms, 1 x soup kitchen, Grade R VIP (10) Ablution facility, 1 x school VIP(10) Ablution facility and renovations of water and sanitation facilities to existing school infrastructure, and comprising of external works consisting of Bulk earthworks, 97m length of 1.5m high security fencing, 121m length of 1.8m high security fencing, retaining walls, walkways, steps, ramps, a drinking fountain, 2 x jungle gyms, storm water channels, 10kl elevated water tank, 5 x water storage tanks, water supplies, landscaping and soakways.

Commencement date :

Completion date :

Contractor: _____ Date: _____

Employer: _____ Date: _____

THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR **PRIOR TO COMMENCEMENT** OF WORK ON SITE.

ALL CONTRACTORS THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER CONTRACTOR ON THE SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

ADDENDUM C

Environmental Management Plan

TO BE PROVIDED BY THE SUCCESSFUL TENDERER

ADDENDUM I

Drawings

See attached

Addendum J

ADDENDUM J

IDT Addendum to the JBCC



ADDENDUM

To the

**THE JBCC PRINCIPAL BUILDING
AGREEMENT**

NAME OF PROJECT: _____

INTRODUCTION

WHEREAS, the Independent Development Trust (“IDT”) made an Offer of Appointment and the Contractor has accepted such appointment subject to the conditions stipulated in the aforesaid Offer of Appointment Letter, which conditions include signing of the JBCC Agreement, Edition (hereinafter referred to as “Main Agreement”).

AND WHEREAS, this addendum shall form part of the Main Agreement between the Employer and the Contractor.

1. ADDENDUM TO THE MAIN AGREEMENT

- 1.1 This Agreement will constitute an Addendum to the Main Agreement as contemplated herein;
- 1.2 The Terms of Reference, Accepted Proposal or Tender, Standard Conditions of Tender, Special Conditions of Tender and adjusted Priced Bills of Quantities shall form part of the agreement between the Contractor and the Employer;
- 1.3 This Addendum will be deemed to incorporate, with or without variation, all the provisions of the Main Agreement, unless the context clearly requires otherwise;
- 1.4 All words and phrases used in this Addendum which are defined in the Main Agreement, will bear the same meaning assigned to them in the Main Agreement; and
- 1.5 All references in the Main Agreement to “the/this Agreement” itself, will be deemed to be references also to the Main Agreement duly amended by this Addendum.

1.6 Interpretations and Definition

1.6.01 **Financial Implications** shall mean the variation amount over and above the awarded contract sum.

2. SPECIAL CONDITION

If there is any conflict between the contents or any part of this Addendum and the contents or any part of the Main Agreement and other annexures, the content of this Addendum shall prevail.

3. WAIVER OF CONTRACTOR'S LIEN

- 3.1 The Contractor hereby waives, in favour of the Employer, any lien or right of retention that is or may be held in respect of the Works to be executed on the Site.
- 3.2 The Employer, as an Organ of State, shall not be required to provide payment guarantees.

4. ASSIGNMENT OF RIGHTS OR OBLIGATIONS

- 4.1 Neither **party** shall assign or cede rights or obligations without the written consent of the other **party**, which consent shall not be unreasonable withheld.
- 4.2 Where the Contractor intend to cede any right to monies due or to become due under this agreement as security in favour of a financial institution, a written consent in accordance with clause 4.1 above, shall be obtained from the Employer prior to entering into such cession.
- 4.3 Any cession entered into without the necessary written consent from the either party, shall be null and void.
- 4.4 The Employer shall not consent to a cession of monies due or to become due under this agreement as security in favour of a financial institution, unless such financial institution submitted to the IDT a Valid Tax Clearance Certificate, is registered as a credit provider in terms of the National Credit Act and as a vendor in the IDT's Vendor Management System.

5 INTERIM PAYMENT

- 5.1 The **Employer** shall, in accordance with clause 8.2.3 of the treasury regulation of March 2005, pay to the **Contractor** the amount certified in an interim **payment certificate** within **thirty (30) calendar days** of the date of submission of the **payment certificate**".
- 5.2 Default interest, where applicable, shall only be effective after the 30 calendar days of the date of receipt of the interim **payment certificate from the Principal Agent**.
- 5.3 The Employer shall be entitled to apply a set-off against a legitimate and liquid claim against the Contractor from which a valid invoice has been received.

6 TAX COMPLIANCE MEASURES

- 6.1 The Contractor hereby grant confirmation that SARS may, on on-going basis during the contract term, disclose the Contractor's tax compliance status to the employer.
- 6.2 Should the Contractor appoint a sub-contractor to execute a portion of a work in excess of the threshold (currently 25%) prescribed by the National Treasury, the Contractor must ensure that a sub-contractor is tax compliant and remains tax compliant for the full duration of the contract. The contractor shall obtain a written consent from its sub-contractors confirming that SARS may on on-going basis during the contract term, disclose the sub-contractor's tax compliance status to the employer.
- 6.3 The Contractor shall submit a valid tax clearance certificate within 10 working days from the date of expiry of the tax clearance certificate. The Employer reserve the right to demand a valid Tax Clearance Certificate prior to making any payment to the Contractor, should it become aware that the tax clearance corticated has expired.
- 6.4 Unless the Employer receive a written confirmation that the Contractor has challenged its tax compliance status with SARS, the Employer shall not

process any payment to the Contractor, if 30 days has lapsed since the written notice by the Employer and the Contractor has failed to remedy its tax compliance status.

- 6.5 Employer's non-payment of the Contractor's invoice in accordance with clause 6.4 above shall not absolve the contractor from performing its obligation in terms of the contract.
- 6.6 Unless the Employer receives a written confirmation that the Contractor or sub-Contractor has challenged its tax compliance status with SARS, the Employer shall be entitled to cancel the contract with the Contractor or instruct the Contractor to cancel its contract with the Sub-Contractor.
- 6.7 Where a Contractor is a JV, each party to a JV must be tax compliant and remains tax compliant for the full duration of the contract, failing which, the Employer shall invoke paragraph 6.4 or 6.6 above.

7. APPROVAL OF VARIATION ORDERS

- 7.1 Upon receipt of the Variation Order (VO), the Principal Agent must professionally consider the merits of the Variation Order and make a recommendation to the Employer.
- 7.2 The Principal Agent shall not have the power to approve any deviation or variation which has financial implications on the Employer without the necessary written approval of the Employer, except under emergency circumstances wherein failure to undertake the work may result in loss of life.
- 7.3 The Employer must communicate the approval of a Variation Order in writing to the Principal Agent and the Principal Agent shall, upon receipt of confirmation of the approval of the VO, issue the necessary Contract Instruction to the contractor to undertake the works.
- 7.4 The Contractor shall not commence with any Variation Order Works without the written approval of the Variation Order from the Employer, except under circumstances mentioned in paragraph 7.2 above.

- 7.5 Should the Contractor undertakes the Variation Order Works without the necessary written approval of the Variation Order from the Employer, the Contractor shall be entirely liable for any financial and any related implications and hereby indemnify and hold harmless the Employer from and against any and all claims, actions, damages, liabilities, injuries, costs, fees, expenses, or losses, including and without limitation, reasonable attorney's fees and costs of investigation and litigation, whatsoever which may be incurred by, or for which liability may be asserted against, the Employer arising out of the Contractor's performance or non-performance of unauthorized works, but only to the extent caused by the negligent acts, errors or omissions of the Contractor.
- 7.6 The Contractor shall not accept any instructions from any party, including beneficiary Department, other than the Principal Agent.

8. JOINT VENTURE AGREEMENT

- 8.1 Should the Joint Venture Agreement be dissolved or any of the JV partner pull out the JV Agreement for any reasons whatsoever, the Employer hereby reserve its right to terminate the contract with immediate effect.
- 8.2 Should the Employer decide not to terminate the contract upon the dissolution of the JV Agreement and the replacement JV partner does not meet the BBBEE threshold stipulated in the tender document, the IDT shall be entitled to cancel the contract with immediate effect.
- 8.3 Should the BBBEE status of the Joint Venture be changed to a lower rate than the bidding rate, based on legislation applicable at the closing date of the
- 8.4 tender, the IDT shall be entitled to cancel the contract.

9. BREACH

9.1 In the event that the contractor: -

9.1.1 commits an act of insolvency; or

9.1.2 is placed under a provisional or final winding-up or judicial management order; or

9.1.3 is placed under or applied for business rescue; or

9.1.4 makes an assignment of more than 25% of either its right and/or its obligation for the benefit of the third party without the written consent of the employer; or

9.1.5 the Contractor is registered or fails to renew his registration with the CIDB or changes directorship during the course of the project, resulting in the contravention of BBBEE statutory requirement; or

9.1.6 fails to satisfy or take steps to have set aside any judgment taken against it within 14 (Fourteen) business days after such judgment has come to its notice,

then the other Employer will be entitled to terminate the Agreement on written notice.

Signed at on this the day of**202..**

AS WITNESSES:

1. _____

For and on behalf of the **Employer:**
(.....), in his/her
capacity as the _____

2. _____

For and on behalf of the **Employer:**
(.....), in his/her
capacity as the
.....

Signed at on this the day of **202...**

AS WITNESSES:

3. _____

4. _____

For and on behalf of the **Contractor:**
.....i
n his/her capacity as
.....,
who hereby confirm that he/she is
duly authorized.