



**TENDER NO: SCMU10-23/24-0029**

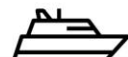
**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES  
ON PROJECTS IMPLEMENTED USING IN-HOUSE  
CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS.**

**VOLUME 3**

**TENDER CLOSING: 11:00 ON TUESDAY 23 APRIL 2024**

**Department of Transport**  
**No. 1 Van Der Bijl Street**  
**Industrial Area**  
**Graff Reinet**  
**6280**

**Company Name of Tenderer:**  
.....  
.....  
**CRS No.** .....  
**CSD No.** .....



**PROVINCE OF THE EASTERN CAPE**

**DEPARTMENT OF TRANSPORT**

**TENDER NO. SCMU10-23/24-0029**

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IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36  
MONTHS**

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**PROVINCE OF THE EASTERN CAPE**

**DEPARTMENT OF TRANSPORT**

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MONTHS**

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**THE TENDER**  
**PART 1 (OF 2): TENDERING PROCEDURES**

**T1.1 Tender Notice and Invitation to Tender**

**T1.2 Tender Data**

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM  
FOR A PERIOD OF 36 MONTHS**

**T1.1: TENDER NOTICE AND INVITATION TO TENDER**

**A. BID INVITATION**

**BID / Tender No.: SCMU10-23/24-0029**

Tenderers are hereby invited for the **EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS**

Tenderers must be registered with the CIDB and have a valid CIDB contractor grading designation of Grade **2GB or higher**.

Bid documents will be available as from **09h00** on **Friday 22 March 2024** . Documents must be downloaded on [www.ectransport.gov.za](http://www.ectransport.gov.za) or [www.etenderportal.gov.za](http://www.etenderportal.gov.za)

The compulsory briefing will take place in Coffee Bay site offices, Maphuzi A/A, King Sabata Dalindyebo Municipality, Coffee Bay, Eastern Cape on the **09 April 2024 at 11h00**.

Completed Tender documents in a sealed envelope endorsed with the relevant bid number, bid description and the **closing date**, must be deposited in the bid box, Department of Transport Botha Sigcawu Building Room 7-69 , 7th floor , Corner Owen and Leeds Road , Umtata Office, not later than **11h00 on Tuesday the 23<sup>th</sup> of April 2024** when tender will be opened in public.

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

Only tenderers who are responsive to the following responsiveness criteria are eligible to submit tenders. Failure to comply with the criteria stated hereunder shall result in the tender offer being disqualified from further consideration:

<input checked="" type="checkbox"/>	Only those tenderers who satisfy the eligibility criteria stated in the Tender Data may submit tenders.
<input checked="" type="checkbox"/>	Tender offer must be properly received on the tender closing date and time specified on the invitation, fully completed and signed in ink (All as per Standard Conditions of Tender)
<input checked="" type="checkbox"/>	Submission of C.1.1: Form of Offer and Acceptance ( <b>Fully completed with corrections signed</b> by the authorized signatory)
<input checked="" type="checkbox"/>	Bidder must complete and sign all the prescribed bid forms; (SBD 4, SBD 8, SBD 6.1 and SBD 6.2 )
<input checked="" type="checkbox"/>	Bidder has completed and signed Form B (Certificate of Authority for Signatory) if applicable;
<input checked="" type="checkbox"/>	Bidders has completed and signed the Compulsory Enterprise (Form T2.2R) (for each of the participating firms in the case of a joint venture);
<input checked="" type="checkbox"/>	Bidder must complete and sign Part C schedule of building construction work carried out by the tenderer in the past 10 years
<input checked="" type="checkbox"/>	The tenderer will be required to submit his fully priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts) together with his tender.
<input checked="" type="checkbox"/>	Submission of Site Inspection Meeting Certificate as proof of attendance of compulsory site inspection meeting
<input checked="" type="checkbox"/>	Use of correction fluid is prohibited
<input checked="" type="checkbox"/>	Tenderers must be registered on the Central Supplier Database at National Treasury prior to submitting a tender, otherwise the tender will be rejected (National Treasury SCM Instruction #4A of 2016/2017: Central Supplier Database); submit tax status compliance Pin Code
<input type="checkbox"/>	Compliance with Pre-qualification criteria for Preferential Procurement
<input checked="" type="checkbox"/>	Compliance to Local Production and Content requirements as per SBD 6.2 and Annexure C (To be fully completed and signed)
<input checked="" type="checkbox"/>	Bidder must fully complete and sign Part J: Contractor's key personnel & detailed CV's

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM  
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**B. BID EVALUATION CRITERIA**

**This bid will be evaluated in Three (3) phases as follows:**

**Phase One:** Compliance, responsiveness to the bid rules and conditions, local content thereafter.

**Phase Two:** Bidders passing all stages above will thereafter be evaluated on functionality.

**Phase Three:** Bidders passing all stages above will thereafter be evaluated on PPPFA and Specific goals.

**C. PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT (PPPFA)**

Points will be awarded as follows:

Maximum points on price	-	<b>80 points</b>
Maximum points for Specific goals	-	<b>20 points</b>
Maximum points	-	<b>100 points</b>

**D. BID SPECIFICATIONS, CONDITIONS AND RULES**

The minimum specifications, functionality and other bid conditions and rules are detailed in the bid document.

Note: Tender Validity Period is **90** days

**E. TENDER SUBMISSIONS**

The completed tender document as well as any supporting documentation shall be placed in a sealed envelope clearly marked, “**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS**”, and deposited in the Tender Box, Room C1, Old Building, Flemming Street, King Williams Town, not later than **11h00 am on Tuesday, 23 April 2024**.

**SCM RELATED ENQUIRIES**

Mrs .T Mafani  
Tel No: 0726901534  
Email Address: [thandi.mafani@ectransport.gov.za](mailto:thandi.mafani@ectransport.gov.za)

**TECHNICAL ENQUIRIES**

Mr.BD Boqwana  
Tel No.: 0825516844  
Email Address [bongikhaya.boqwana@ectransport.gov.za](mailto:bongikhaya.boqwana@ectransport.gov.za)

**FOR COMPLAINTS, FRAUD, & TENDER ABUSE**

Call: 0800 701 701

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**T1.2: TENDER DATA**

The tender conditions are the Standard Conditions of Tender as contained in Annexure F of the CIDB Standard for Uniformity in Construction Procurement as per CIDB Board Notice No. 136 of 2015 published in Government Gazette No. 38960 of 10 July 2015 and as amended from time to time. (see www.cidb.org.za)

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 marked "F" in the above-mentioned Standard Conditions of Tender.

No	Clause	Wording
1	F.1.1	The employer is the DEPARTMENT OF TRANSPORT, Province of the Eastern Cape
2	F.1.2	<p>The tender documents issued by the employer comprise:</p> <p style="text-align: center;"><b><u>THE TENDER</u></b></p> <p><b>PART T1: TENDERING PROCEDURES</b></p> <p>T1.1: Tender Notice and Invitation to Tender</p> <p>T1.2: Tender Data</p> <p><b>PART T2: RETURNABLE DOCUMENTS</b></p> <p>T2.1: List of Returnable Documents</p> <p>T2.2: Returnable Schedules</p> <p style="text-align: center;"><b><u>THE CONTRACT</u></b></p> <p><b>PART C1: AGREEMENTS AND CONTRACT DATA</b></p> <p>C1.1: Form of Offer and Acceptance</p> <p>C1.2: Contract Data</p> <p>C1.3: Deed of Guarantee (pro forma)</p> <p><b>PART C2: PRICING DATA</b></p> <p>C2.1: Pricing Instructions</p> <p>C2.2: Bill of Quantities</p> <p><b>PART C3: SCOPE OF WORKS</b></p> <p>C3.1: Description of the Works</p> <p>C3.2: Engineering</p> <p>C3.3: Procurement</p> <p>C3.4: Construction</p> <p>C3.5: Management</p> <p><b>PART C4: SITE INFORMATION</b></p> <p>C4: Site Information</p>

3	F.1.4	<p>The Employer's agent is</p> <p>Name: Mr. P. Ngqola</p> <p>Address: Department of Transport, 1 Reynolds Street, Industrial Area, Grahamstown 6139</p> <p>Tel: 066 381 7987 Fax: 086 622 5131</p> <p>E-mail: <a href="mailto:phakamisa.ngqola@ectransport.gov.za">phakamisa.ngqola@ectransport.gov.za</a></p>
4	F.1.5.1	<p>The employer may accept or reject any variation, deviation, tender offer, or alternative tender offer, and may cancel the tender process and reject all tender offers at any time before the formation of a contract. The employer shall not accept or incur any liability to a tenderer for such cancellation and rejection, but will give written reasons for such action upon written request to do so.</p> <p>The Employer further reserves the right not to award a project to any tenderer found to be at a high risk of non/under-performance based on a risk assessment of the current workload or past performance of that tenderer.</p> <p>The successful Tenderer will be required to submit a valid and certified copy of their Letter of Good Standing from the Compensation Commissioner or FEMA within 21 days of receipt of their Letter of Award for this Tender.</p>
5	F.2.1	<p><b><u>A. ELIGIBILITY IN RESPECT OF CIDB REGISTRATION</u></b></p> <p>The following tenderers who are registered with the CIDB, or are *capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated (* tenderers who are capable of being so registered, or who have applied for registration but have not yet received confirmation of such registration, must provide, with this tender, acceptable documentary proof thereof):</p> <p>a) Contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulation, for a <b>GB</b> class of construction work; and</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> <li>1. Every member of the joint venture is registered with the CIDB;</li> <li>2. The lead partner has a contractor grading designated in the <b>GB</b> class of construction work; and</li> <li>3. The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations for a <b>GB</b> class of construction work</li> </ol>

**B. INDICATE THE FUNCTIONALITY WEIGHTING APPLICABLE TO THIS BID:**

**Note:** *Functionality may only be applied as a prequalification criterion. Such criteria is used to establish minimum requirements where after bids will be evaluated solely on the basis of price and preference.*

<b>Functionality Criteria</b>	<b>Weighting Factor</b>
Relevant Construction Works Experience on Previous Contracts of Similar Nature, Scope and/or Complexity	<b>30</b>
References from clients/consultants for projects of similar in nature and scope	<b>20</b>
Competence of key persons(s), professional and technical personnel	<b>30</b>
<b>Total</b>	<b>80 Points</b>

<b>Minimum functionality score to qualify for further evaluation</b>	<b>48 Points</b>
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*Total minimum qualifying score for functionality is sixty percent (60%)*

**NB: Please see Part F (Page T.2.10) for detailed functionality scoring**

**C. ELIGIBILITY IN RESPECT OF RISK TO EMPLOYER**

**Provision applicable to Evaluation Method 1**

Tender offers will be evaluated by an Evaluation Committee based on the technical and commercial risk criteria listed hereunder. Each criteria carries the same weight /importance and will be evaluated individually based on reports presented to the Evaluation Committee by the Professional team appointed on the project. A tender offer will be declared non-responsive and removed from any further evaluation if any one criterion is found to present an unacceptable risk to the employer.

In order for the evaluation reports to be prepared by the Professional Team, the tenderer is obliged to provide comprehensive information on form Part C: schedule of building construction work carried out by the tenderer in the past 10 years. Failure to complete the said form will cause the tender to be declared non-responsive and removed from any further consideration. The employer reserves the right to request additional information over and above that which is provided by the Tenderer on said form. The information must be provided by the Tenderer within the stipulated time as determined by the Project Manager, failing which the tender offer will *mutatis mutandis* be declared non-responsive

**C.1 Technical risk**

**C.1.1 Criterion 1: Quality of current and previous work**

Quality of current and previous work performed by the tenderer in the class of construction work stated above as per the evaluation report prepared by the professional team, based on its research and inspection of a representative sample of the tenderers current and previous work.

**C.1.2 Criterion 2: Contractual commitment**

Adherence to contractual commitments, demonstrated by the Tenderer in the performance on current and previous work, evaluated in terms of:

- a) The level of progress on current projects in relation to the project programme or, if such is not available/applicable to the contractual construction period in general.
- b) The degree to which previous projects have been completed within the contractual completion period and/or extensions thereto; and
- c) General contract administration, i.e compliance with contractual aspects such as laws and regulations, insurance, security, written contract instructions, subcontractors, time delay claims, etc. as can generally be expected in condition of contract.

		<p><b>C.2 Commercial risks:</b></p> <p>The level to which agreement with the Tenderer is reached in respect of the adjustment of rates which are considered imbalanced to be balanced or unreasonable and to eliminate errors or discrepancies, without changing the tendered total price, over and above the correction of arithmetical errors as provided for in F3.9</p>
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6	F.2.7	For particulars regarding a compulsory site inspection, see Notice and Invitation to Tender T1.1. Completion of the Attendance Register at the Briefing Meeting will be deemed as proof of attendance.
7	F.2.12	No alternative offers will be considered
8	F.2.13.1	Tenderers must only offer to provide services or supplies identified in the contract data to complete the Whole Works
9	F.2.13.3	Parts of each tender offer communicated on paper shall be submitted as an original.
10	F.2.13.5	The Employer's address for delivery of tender offers and identification details is as per the Notice and Invitation to Tender T1.1.
11	F.2.13.6/ F.3.5	A single envelope procedure <u>will be applicable</u>
12	F.2.15	The closing time for submission of tender offers is as per Notice and Invitation to Tender T1.1.
13	F.2.15	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted
14	F.2.16	The tender offer validity period is as per Notice and Invitation to Tender T1.1.
15	F.2.19	Access shall be provided for the following inspections, tests and analysis: Borrow pit testing and any verification of geotechnical data
16	F 3.4.1 F.3.4.2	The location for opening of the tender offers, immediately after the closing time thereof shall be as per Notice and Invitation to Tender T1.1

17	F 3.8.1	<p>Add the following to F3.8.1:</p> <p>“(d) <b>Eligibility:</b> Prospective tenderers will only be eligible to submit a tender if, in terms of clause F2.1 in Tender Data T1.2, Prospective tenderers will only be <b>eligible</b> to submit a tender if, in terms of clause F3.8.1 in Tender Data T1.2,</p> <p><b>Failure to comply with these eligibility criteria will cause the tender to be rejected.</b></p> <p>Where it is found that a specific tenderer is eligible for award of more than one contract, the employer reserves the right not to award more than one contract to such a tendering entity. Only if the Tenderer has submitted separate suitable Plant and Key Personnel for each tender/project may an additional contract be considered for award to a single tendering entity.</p>
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		<p><b>PHASE 1: LOCAL CONTENT</b></p> <p><b>i) Evaluation for local content</b></p> <ul style="list-style-type: none"> <li>• A minimum threshold must be scored for local content.</li> <li>• Failure to meet a minimum percentage for local content will automatically invalidate the bid for further consideration.</li> <li>• Failure to submit an exemption letter from the DTI will automatically invalidate the bid.</li> <li>• If the raw material or input to be used for a specific item is not available locally, bidders should obtain written authorization from the DTI should there be a need to import such raw material or input and a copy of this authorization letter must be submitted together with the bid document at the closing date and time.</li> <li>• An In-LoCo Inspection may be conducted prior awarding of this bid.</li> <li>• Schedule of Local content material, see SBD6.2 annexure C.</li> </ul>
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18	F.3.9. 1	<p>Add a new bullet: “In the event of there being any rate or rates which are declared to be an unacceptable commercial risk by the Employer, the Tenderer will be requested –</p> <p>(a) to justify any specific rate or rates, i.e. to give a financial breakdown of how such rate or rates were obtained,</p> <p>(b) and subsequently to consider amending and adjusting such rate or rates while retaining the Tender Total derived under sub-clause F.3.9.2 (c) unchanged and fixed. It must be understood that in the event of the tenderer refusing to adjust any rate or rates to the satisfaction of the Employer, such refusal may prejudice his Tender.”</p> <p>(c) The amount reflected on the form of offer and acceptance takes precedence over any other total amount indicated elsewhere in bidder’s tender submission. If the form of offer and acceptance has no value or figure, the bidder will be regarded as having made no offer.</p> <p>(d) A provisional sum of <b>(R50,000.00)</b> will be added to the contract sum of the successful bidder. It will be utilized as and when required by the client to appoint sub-contractors to execute identified services. The successful bidder will assist in the administration of the process and also in the payment of services by sub-contractors.</p> <p>(e) <b>Negotiation:</b> if the price / offer of the highest bidder(s) is believed not to be reasonable, the DEPARTMENT OF TRANSPORT through its SCM committees may negotiate the offer submitted with the highest bidder(s) with the intention to come to a reasonable &amp; acceptable offer. Bidders are not allowed to increase their offers during this process. Where there is no consensus with any of the preferred bidders, the client reserves the right to cancel the bid process.</p> <p>(f) Bid closing: it is the responsibility of the bidders to ensure that bid documents/proposals are submitting on or before closing time and at the correct location as the DEPARTMENT OF TRANSPORT will not take responsibility of wrong delivery. Bidders who are using courier services for delivery is at the correct place/location and time as the DEPARTMENT OF TRANSPORT will not be held responsible for wrong delivery.</p> <p>(g) Tenders shall remain valid for a period 90 days after the closing date. The DEPARTMENT OF TRANSPORT does not bind itself to accept the lowest bid or another bid and reserves the right to accept the whole or part of the bid.</p>								
19	F.3.11	<p>The procedure for the evaluation of responsive tenders is <b>Method 2 (Financial Offer, and Preferences)</b>.</p> <table border="1"> <thead> <tr> <th></th> <th>Maximum number of tender evaluation points</th> </tr> </thead> <tbody> <tr> <td>Price Component</td> <td>80</td> </tr> <tr> <td>Preferential Component</td> <td>20</td> </tr> <tr> <td>Total evaluation points</td> <td><b>100</b></td> </tr> </tbody> </table>		Maximum number of tender evaluation points	Price Component	80	Preferential Component	20	Total evaluation points	<b>100</b>
	Maximum number of tender evaluation points									
Price Component	80									
Preferential Component	20									
Total evaluation points	<b>100</b>									

**Calculation of Points for Price****(P<sub>s</sub>)**

The points scored for Price will be calculated using the following formula:

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

Where  $P_s$  = points scored for price by tender under consideration  
 $P_{\min}$  = price of lowest acceptable tender  
 $P_t$  = price of tender under consideration

**F5.3.12. Please note that bidders who make it to this stage will automatically proceed through to the following stage.**

The following criteria shall apply:-

- The tender will be evaluated according to the preferential procurement model in the preferential Procurement Policy Framework Act (PPFA 5 of 2000): Preferential Procurement Regulations, 2022 as well as the SCM Policy of the Department of Transport.

**1.1. Price:**

- 80 points will be awarded to the bidder submitting the lowest price (all other bidders will receive points proportionately thereto):

**1.2. Calculation of points for specific goals**

- The tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender

PREFERENTIAL SPECIFIC GOALS POINTS TABLE		
The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
<b>Historically Disadvantaged Individuals</b>		
(a) black ownership	4	
<b>Women ownership:-</b>		
(b) women ownership	2	
<b>Youth ownership:-</b>		
© youth ownership	4	
<b>People with Disability:-</b>		
(d) Disabled people ownership	2	
<b>Locality:-</b>		
(e) Within the KSD LM	8	

**NB points for Specific goals A to D shall be calculated according to the percentage ownership on each category as it appears on CIPRO certificate and ID copy.**

**Bidders are required to submit, together with their bids, the following:**

Service providers must submit proof of its Specific Goals points claimed / status of contributor.

The supporting documents required to verify points claimed for Specific Goals to be in line with the specified requirements which include:

- Disability Ownership: valid medical documentary proof.
- Military Veterans Ownership: valid proof of veteran status.
- Preferred address on CSD will be used for Locality.

The Central Supplier Database will be used to verify the specific goals other than the specific goals stated under paragraph 1.3

A bid will not be disqualified from the bidding process if the bidder does not submit a certificate substantiating the SPECIFIC GOALS. Such bidders will score 0 out of maximum of 20 points for SPECIFIC GOALS



**F.3.13 Tender offers will only be acceptable if:**

- a) the Bidders must be registered with the Construction Industry Development Board in an appropriate contractor grading designation (All parties to submit this information in the case of a Joint Venture);  
or the List of Restricted Suppliers managed by the National Treasury ([www.treasury.gov.za](http://www.treasury.gov.za)) in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;
- b) the Bidders has not abused the Employer's Supply Chain Management System;
- c) the Bidders has not failed to perform on any previous contract with the Employer;
- d) all relevant certified information is submitted with the Tender;
- e) all other Tender Conditions are complied with.
- f) Tenderers are to meet the minimum Functionality requirements specified in Clause F2.1(B)

**PROVINCE OF THE EASTERN CAPE**

**DEPARTMENT OF TRANSPORT**

**TENDER NO. SCMU10-23/24-0029**

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS  
IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF  
36 MONTHS**

<p><b>THE TENDER</b> <b>PART 2 (OF 2): RETURNABLE DOCUMENTS</b></p>
---

**T2.1 List of Returnable Documents**

**T2.2 Returnable Documents**

## Note to Bidders:

The information contained on these forms, plus the supporting information, will be used in the first stages of the evaluation of Tenders.

### T2.1 List of Returnable Documents

#### 1. Forms to be fully completed

FORM	DESCRIPTION	Checklist
SBD 1	INVITATION TO TENDER	Y <input type="checkbox"/> / N <input type="checkbox"/>
A.	CERTIFICATE OF BIDDERS'S ATTENDANCE AT COMPULSORY CLARIFICATION MEETING	Y <input type="checkbox"/> / N <input type="checkbox"/>
B.	CERTIFICATE OF AUTHORITY FOR SIGNATORY	Y <input type="checkbox"/> / N <input type="checkbox"/>
C.	SCHEDULE OF ROADS MAINTENANCE/ROADS CONSTRUCTION WORK CARRIED OUT BY THE BIDDERS IN THE PAST 10 YEARS	Y <input type="checkbox"/> / N <input type="checkbox"/>
D.	SCHEDULE OF CONSTRUCTION PLANT – including Letter of Intent if plant is to be hired	Y <input type="checkbox"/> / N <input type="checkbox"/>
E.	NOT APPLICABLE	Y <input type="checkbox"/> / N <input type="checkbox"/>
F.	FUNCTIONALITY EVALUATION CRITERIA AND POINT ALLOCATION	Y <input type="checkbox"/> / N <input type="checkbox"/>
G.	NOTICES TO TENDERERS	Y <input type="checkbox"/> / N <input type="checkbox"/>
H	JOINT VENTURE DISCLOSURE FORM	Y <input type="checkbox"/> / N <input type="checkbox"/>
I	RATES FOR SPECIAL MATERIALS	Y <input type="checkbox"/> / N <input type="checkbox"/>
J	CONTRACTOR'S KEY PERSONNEL AND DETAILED CV'S	Y <input type="checkbox"/> / N <input type="checkbox"/>
K	AUDITOR DETAILS	Y <input type="checkbox"/> / N <input type="checkbox"/>
L	DECLARATION – FULFILLMENT OF THE CONSTRUCTION REGULATIONS, 2014	Y <input type="checkbox"/> / N <input type="checkbox"/>
M	PROOF OF REGISTRATION WITH THE CONSTRUCTION INDUSTRY DEVELOPMENT BOARD	Y <input type="checkbox"/> / N <input type="checkbox"/>
N	CENTRAL SUPPLIER DATABASE (CSD)	Y <input type="checkbox"/> / N <input type="checkbox"/>
O	PROOF OF REGISTRATION WITH THE BARGAINING COUNCIL	Y <input type="checkbox"/> / N <input type="checkbox"/>
T2.2R	COMPULSORY ENTERPRISE QUESTIONNAIRE	Y <input type="checkbox"/> / N <input type="checkbox"/>
SBD 4	DECLARATION OF INTEREST	Y <input type="checkbox"/> / N <input type="checkbox"/>
SBD 6.1	PREFERENCE POINTS CLAIM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017 (Form SBD 6.1) – including B-BBEE Certificate, EME and QSE Affidavits	Y <input type="checkbox"/> / N <input type="checkbox"/>
SBD 6.2	LOCAL CONTENT IN TERMS OF PPR 2017	Y <input type="checkbox"/> / N <input type="checkbox"/>
SBD 8	DECLARATION OF BIDDERS'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES	Y <input type="checkbox"/> / N <input type="checkbox"/>
SBD 9	CERTIFICATE OF INDEPENDENT TENDER DETERMINATION	Y <input type="checkbox"/> / N <input type="checkbox"/>

#### THESE FORMS MUST BE COMPLETED USING **BLACK INK**

Where the space provided in the bound document is insufficient, separate schedules may be drawn up in accordance with the given formats and bound into a separate ring-bound document. These schedules shall then be bound together with a suitable index /contents page and submitted with the tender documents. All such schedules must be signed, and clearly marked as appendices to these relevant forms.

#### 2. Other documents that will be incorporated into the Contract

- C1.1 Offer and Acceptance
- C1.2 Contract Data
- C2.2 Pricing Schedule

## **T2.2 RETURNABLE DOCUMENTS**

**SBD 1: INVITATION TO BID**

**PART A  
INVITATION TO BID**

**YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF TRANSPORT**

BID NUMBER:	SCMU10-23/24-0029	CLOSING DATE:	23 April 2024	CLOSING TIME:	11h00
DESCRIPTION	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS				

**THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT:

<b>Department of Transport</b>
<b>Room 7-69, Botha Sigcau Building, 7<sup>th</sup> Floor</b>
<b>Corner Owen and Leads Road , Mthatha</b>

**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					

	TCS PIN:		<b>OR</b>	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	<input type="checkbox"/> Yes	<input type="checkbox"/> No

IF YES, WHO WAS THE CERTIFICATE ISSUED BY?

AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX	<input type="checkbox"/>	AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)
	<input type="checkbox"/>	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)
	<input type="checkbox"/>	A REGISTERED AUDITOR NAME:

**[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT(FOR EMEs& QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]**

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	Yes No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	Yes No [IF YES ANSWER PART B:3 BELOW ]
---	----------------------------------	--	---

SIGNATURE OF BIDDER	.....	DATE	
---------------------	-------	------	--

CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)

TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE (ALL INCLUSIVE)	
-------------------------------	--	---------------------------------	--

**BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO: TECHNICAL INFORMATION MAY BE DIRECTED TO:**

DEPARTMENT/ PUBLIC ENTITY	Department of Transport (SCM)	CONTACT PERSON	Mr. BD.Boqwana
CONTACT PERSON	Mrs. T. Mafani	TELEPHONE NO	082 551 6844
TELEPHONE NUMBER	0726901534	E-MAIL ADDRESS	<a href="mailto:bongikhaya.boqwana@ectransport.gov.za">bongikhaya.boqwana@ectransport.gov.za</a>

**TERMS AND CONDITIONS FOR BIDDING**

<b>1. BID SUBMISSION:</b>	
1.1.	BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2.	ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED--(NOT TO BE RE-TYPED) OR ONLINE
1.3.	BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
1.4.	WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
1.5.	THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, JBCC PBA Ed. 4.1 of March 2005 AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.
<b>2. TAX COMPLIANCE REQUIREMENTS</b>	
2.1	BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2	BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3	APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
2.4	BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
2.5	IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.
2.6	WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
<b>3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>	
3.1.	IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.2.	DOES THE BIDDER HAVE A BRANCH IN THE RSA? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.3.	DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.4.	DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA? <input type="checkbox"/> YES <input type="checkbox"/> <input checked="" type="checkbox"/> NO
<p>IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.</p>	

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

**A: CERTIFICATE OF ATTENDANCE AT COMPULSORY CLARIFICATION MEETING**

<b>Project title:</b>	<b>EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS</b>		
<b>Tender No:</b>	<b>SCMU10-23/24-0029</b>	<b>Reference no.:</b>	<b>SCMU10-23/24-0029</b>
<b>Closing date:</b>	<b>23 April 2024</b>		

This is to certify that I, \_\_\_\_\_ representing \_\_\_\_\_ in the company of \_\_\_\_\_ visited the site on: **09 April 2024.**

I have made myself familiar with all local conditions likely to influence the work and the cost thereof. I further certify that I am satisfied with the description of the work and explanations given at the site inspection meeting and that I understand perfectly the work to be done, as specified and implied, in the execution of this contract.

Name of tenderer	Signature	Date

Name of ECDOT representative	Signature	Date

**SIGNED ON BEHALF OF BIDDERS:** .....

**B: CERTIFICATE OF AUTHORITY FOR SIGNATORY**

Signatory for companies shall confirm his/her authority thereto by attaching a duly signed and dated copy on the company letterhead of the relevant resolution of the board of directors to this form.

**Failure to submit a duly signed resolution will render the tender non-responsive.**

***An example is given below:***

“By resolution of the board of directors passed at a meeting held on .....

Mr./Ms. ...., whose signature appears below, has been duly authorized

to sign all documents in connection with **TENDER NO. SCMU10-23/24-0029 EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS**

and any Contract that may arise therefrom on behalf of

(Name of Bidders in block capitals)

.....

SIGNED ON BEHALF OF THE COMPANY: .....

IN HIS/HER CAPACITY AS: .....

DATE: .....

SIGNATURE OF SIGNATORY: .....

WITNESSES: 1. ....

2. ....



**C: SCHEDULE OF BUILDING CONSTRUCTION WORK CARRIED OUT BY THE TENDERER IN THE PAST 10 YEARS**

The Bidders must list **ONLY similar building construction contracts** successfully completed by their company in the past 10 (Ten) years. A copy of the Letter of Award with confirmation letter from Client for those contracts currently being executed.

EMPLOYER (NAME & TEL NO)	NAME OF EMPLOYER OR REPRESENTATIVE (NAME & TEL NO)	NATURE OF WORK	VALUE OF WORK (INCLUSIVE OF VAT)	YEAR COMPLETED

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**D: SCHEDULE OF CONSTRUCTION PLANT**

This section is not applicable

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**F: FUNCTIONALITY EVALUATION CRITERIA AND POINT ALLOCATION**

No.	Criteria	Evaluation Indicators		Applicable Value
1.	<b>RELEVANT CONSTRUCTION WORKS EXPERIENCE ON PREVIOUS CONTRACTS OF A SIMILAR NATURE, SCOPE AND/OR COMPLEXITY</b>			<b>30</b>
	Provide a descriptive list of all completed construction related projects of similar nature, scope and value to this tender for the last 5 years in relation to: Name of Employer, Contract number, Contract sum, Contractual commencement date, Contractual completion date and date of certificate of practical completion.  <b>Note:</b> Section C (Page T.2.8 above to be <b>fully</b> completed and signed)	One Construction related project of similar nature, scope and complexity at <b>R400,000.00</b> or higher	<b>6</b>	
		Two Construction related projects of similar nature, scope and complexity each at <b>R400,000.00</b> or higher	<b>12</b>	
		Three Construction related projects of similar nature, scope and complexity each at <b>R400,000.00</b> or higher	<b>18</b>	
		Four Construction related projects of similar nature, scope and complexity each at <b>R400,000.00</b> or higher	<b>24</b>	
		Five Construction related projects of similar nature, scope and complexity each at <b>R400,000.00</b> or higher	<b>30</b>	
	<b>Name of project</b>	<b>Client</b>	<b>Short Description of project</b>	<b>Final Project Value</b>
1				
2				
3				
4				
5				
No.	Criteria	Evaluation Indicators		Applicable Value
2.	<b>REFERENCES FROM CLIENTS/CONSULTANTS FOR PROJECTS OF SIMILAR NATURE, SCOPE AND COMPLEXITY</b>			<b>20</b>
	Please provide signed reference letters with letterheads from Consultants/Clients confirming your company's involvement for the construction projects listed in item 1 above.	One reference letter from consultants and / or clients for completed Construction related project	<b>4</b>	
		Two reference letters from consultants and / or clients for completed Construction related project	<b>8</b>	
		Three reference letters from consultants and / or clients for completed Construction related project	<b>12</b>	
		Four reference letters from consultants and / or clients for completed Construction related project	<b>16</b>	
		Five reference letters from consultants and / or clients for completed Construction related project	<b>20</b>	
	<b>Name of Company</b>	<b>Value of Project as measured for final account</b>	<b>Letter attached</b>	

1.	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	No <input type="checkbox"/> Yes <input type="checkbox"/>		
2.		No <input type="checkbox"/> Yes <input type="checkbox"/>		
3.		No <input type="checkbox"/> Yes <input type="checkbox"/>		
4.		No <input type="checkbox"/> Yes <input type="checkbox"/>		
5.		No <input type="checkbox"/> Yes <input type="checkbox"/>		
No.	Criteria	Evaluation Indicators	Applicable Value	
3.	<b>COMPETENCE OF KEY PERSON(S), PROFESSIONAL AND TECHNICAL PERSONNEL</b>		<b>30</b>	
	Provide the following information for the Site/Contract Manager: <ul style="list-style-type: none"> <li>A detailed CV</li> <li>Certified copies of built environment academic qualifications,</li> <li>A summary of completed projects as the Site Agent or Contracts Manager who will be employed full time on site on this contract.</li> </ul> Note: part J (Page T.2.20 to be fully completed)	1-3 years relevant construction experience as Site Agent or Contracts Manager with qualification or, 4-6 years relevant construction experience as Site Agent or Contracts Manager without qualification.	6	
		4-6 years relevant construction experience as Site Agent or Contracts Manager with qualification or, 6-8 years relevant construction experience as Site Agent or Contracts Manager without qualification.	12	
		6-8 years relevant construction experience as Site Agent or Contracts Manager with qualification or, 9-11 years relevant construction experience as Site Agent or Contracts Manager without qualification.	18	
		9 years or more relevant construction experience as Site Agent or Contracts Manager with qualification or, 12 years or more relevant construction experience as Site Agent or Contracts Manager without qualification.	24	
No	Name of the Key Person	Academic Qualification and years of experience	Position/Portfolio	CVs and Qualification attached
1				No <input type="checkbox"/> Yes <input type="checkbox"/>
2				No <input type="checkbox"/> Yes <input type="checkbox"/>
3				No <input type="checkbox"/> Yes <input type="checkbox"/>
4				No <input type="checkbox"/> Yes <input type="checkbox"/>
5				No <input type="checkbox"/> Yes <input type="checkbox"/>
<b>Minimum Qualifying Score for Functionality</b>				<b>80</b>

NB: 'Qualification' stated herein refers to any construction related academic qualification NQF level 6 or higher.

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**G: NOTICES TO TENDERERS**

In submitting my/our tender, the tender sum given in my/our tender form has been based on the following Notice(s) to Bidders. (Signed copies of all Notices to Bidders are to be attached to this page).

NOTICE NO.	SUBJECT MATTER OF NOTICE

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**H: JOINT VENTURE DISCLOSURE FORM**

Tenderers submitting tenders as a joint venture are to attach a signed copy of the Joint Venture Agreement.

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**PRO-FORMA FOR JOINT VENTURES:**

**Certificate of Authority for Joint Ventures**

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize Mr/Ms ....., authorised signatory of the company ....., acting in the capacity of lead partner, to sign all documents in connection with the tender offer an any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
		Signature: ..... Name: ..... Designation: .....
<p style="text-align: center; opacity: 0.5; font-size: 2em;">Pro-Forma</p>		Signature: ..... Name: ..... Designation: .....
		Signature: ..... Name: ..... Designation: .....
		Signature: ..... Name: ..... Designation: .....

**JOINT VENTURE DISCLOSURE FORM**

---

**GENERAL**

- i) All the information requested must be filled in the spaces provided. If additional space is required, additional sheets may be used and attached to the original documents.
- ii) A copy of the joint venture agreement must be attached to this form, in order to demonstrate the Affirmable, Joint Venture Partner's share in the ownership, control, management responsibilities, risks and profits of the joint venture, the proposed joint venture agreement must include specific details relating to:
  - a) the contributions of capital and equipment
  - b) work items to be performed by the Affirmable Joint Venture Partner's own forces
  - c) work items to be performed under the supervision of the Affirmable Joint Venture Partner.
- iii) Copies of all written agreements between partners concerning the contract must be attached to this form including those, which relate to ownership options and to restrictions/limits regarding ownership and control.
- iv) ABE partners must complete ABE Declaration Affidavits.
- v) The joint venture must be formalised. All pages of the joint venture agreement must be signed by all the parties concerned. A letter/ notice of intention to formalise a joint venture once the contract has been awarded will not be considered.
- vi) Should any of the above not be complied with, the joint venture will be deemed null and void and will be considered non-responsive.
- vii) A joint venture that is awarded a contract with Department of Transport must be registered as a separate company with the Registrar of Businesses.
- viii) The joint venture must be registered with South African Revenue Services.
- ix) A separate bank account must be in place for the joint venture.

**1. JOINT VENTURE PARTICULARS**

- a) Name .....
- b) Postal address.....  
.....  
.....



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c) Physical address .....

.....

.....

d) Telephone .....

e) Fax .....

**2. IDENTITY OF EACH NON-AFFIRMABLE JOINT VENTURE PARTNER**

**2.1(a)** Name of Firm.....

Postal Address .....

Physical Address .....

Telephone .....

Fax .....

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

**2.2(a)** Name of Firm.....

Postal Address .....

Physical Address .....

Telephone .....

Fax .....

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

*(Continue as required for further non-Affirmable Joint Venture Partners)*

**3. IDENTITY OF EACH AFFIRMABLE JOINT VENTURE PARTNER**

**3.1(a)** Name of Firm.....

Postal Address .....

Physical Address .....

Telephone .....

Fax .....

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

**3.2(a)** Name of Firm.....

Postal Address .....

Physical Address .....

Telephone .....

Fax .....

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

**3.3(a)** Name of Firm.....

Postal Address .....

Physical Address .....

Telephone .....

Fax .....

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

4. **BRIEF DESCRIPTION OF THE ROLES OF THE AFFIRMABLE JOINT VENTURE PARTNERS IN THE JOINT VENTURE**

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

5. **OWNERSHIP OF THE JOINT VENTURE**

- a) **Affirmable Joint Venture Partner ownership percentage(s) .....%**
- b) ***Non-Affirmable Joint Venture Partner ownership percentage(s) .....%***
- c) **Affirmable Joint Venture Partner percentages in respect of: \***

- (i) **Profit and loss sharing .....**
- (ii) **Initial capital contribution in Rands .....**  
.....  
.....

(\*Brief descriptions and further particulars should be provided to clarify percentages).

- (iii) **Anticipated on-going capital contributions in Rands .....**  
.....  
.....  
.....

- (iv) **Contributions of equipment (specify types, quality, and quantities of equipment) to be provided by each partner.**  
.....  
.....  
.....

**SIGNED ON BEHALF OF THE TENDERER:** .....

**I: RATES FOR SPECIAL MATERIALS**

Price adjustments for variations in the costs of special materials are not allowed.

**SIGNED ON BEHALF OF THE TENDERER:** .....

**J: CONTRACTOR’S KEY PERSONNEL & DETAILED CV’S**

The Bidders must state below the key management staff who will be available and intended for use on this contract. Relevant detailed CV’s including certificates for qualifications and professional registration (if applicable) as well as indicating their previous experience **must be attached** otherwise they will not meet minimum requirements for the eligibility criteria.

POSITION	NAME	BUILDING CONSTRUCTION RELATED EXPERIENCE	
		Years	Qualifications
Contracts Manager			
Site Agent			
Safety Officer			

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**K: AUDITOR DETAILS**

The Bidders shall provide details of his auditing accountant.

**Auditor Details -** Firm Name: .....  
Address: .....  
Account Number:.....  
Contact Person: .....  
Tel No.: .....  
Fax No.: .....

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**L: DECLARATION: FULFILMENT OF THE CONSTRUCTION REGULATIONS - 2014**

In terms of regulation 5(1) of the Construction Regulations, 2014 (hereinafter referred to as the Regulations), promulgated on 7 February 2014 in terms of Section 43 of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) the Employer shall not appoint a contractor to perform construction work unless the Contractor can satisfy the Employer that his/her firm has the necessary competencies and resources to carry out the work safely and has allowed adequately in his/her tender for the due fulfillment of all the applicable requirements of the Act and the Regulations.

Definition of a Competent Person:

“Competent person” means any person having the knowledge, training, experience and qualifications specific to the work or task being performed: Provided that where appropriate qualifications and training are registered in terms of the provisions of the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995), these qualifications and training shall be deemed to be the required qualifications and training;

Tenderers shall answer the questions below:

- 1 I confirm that I am fully conversant with the Regulations and that my company has (or will acquire/procure) the necessary competencies and resources to timeously, safely and successfully comply with all of the requirements of the Regulations. (Tick)

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

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

- 2 Indicate which approach shall be employed to achieve compliance with the Regulations (Tick)

Own resources, competent in terms of the Regulations (refer to 3 below)	<input type="checkbox"/>
Own resources, still to be hired and/or trained (until competency is achieved)	<input type="checkbox"/>
Specialist subcontract resources (competent) – specify: ..... ..... ..... ..... ..... .....	<input type="checkbox"/>

- 3 Provide details of proposed key persons, competent in terms of the Regulations, who will form part of the Contract team as specified in the Regulations (CVs to be attached):

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

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4 Provide details of proposed training (if any) that will be undergone:

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

5 List potential key risks identified and measures for addressing risks:

See the Preliminary Hazard Identification and Risk Assessment contained in the attached Health and Safety Specifications.

**Note: The successful Bidders must submit a project specific Occupational Health and Safety Plan to be approved by the Client within 21 days of being awarded the contract.**

6 I have fully included in my tender rates and prices (in the appropriate payment items provided in the Bill of Quantities) for all resources, actions, training and any other costs required for the due fulfillment of the Regulations for the duration of the construction and defects repair period.  
(Tick)

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

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

SIGNATURE OF PERSON AUTHORISED TO SIGN THIS TENDER:

..... ID NO: .....



**M: PROOF OF REGISTRATION WITH THE CONSTRUCTION INDUSTRY  
DEVELOPMENT BOARD**

Tenderers shall attach to this page, a recent printout of proof from the CIDB website verifying their valid CIDB registration.

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**N: CENTRALIZED SUPPLIER DATABASE (CSD)**

Tenderers must be registered on the Central Supplier Database at National Treasury prior to the Award of a tender, and the Bidders' **Tax status must be compliant** (National Treasury SCM Instruction #4A of 2016/2017: Central Supplier Database);

I, the undersigned, confirm the following details of the firm/company's registration on the National Treasury Central Supplier Database:

Supplier Name: .....

Supplier CSD umber: .....

**SIGNED ON BEHALF OF THE BIDDERS:** .....

**O: PROOF OF REGISTRATION WITH THE BARGAINING COUNCIL (BCCEI)**

This is **not** applicable for this tender

**SIGNED ON BEHALF OF THE BIDDERS:** .....

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EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE  
CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

**FORM T2.2R: COMPULSORY ENTERPRISE QUESTIONNAIRE**

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

<b>Section 1: Name of enterprise:</b> .....		
.....		
<b>Section 2: VAT registration number, if any:</b> .....		
.....		
<b>Section 3: CIDB, registration number, if any:</b> .....		
.....		
<b>Section 4: Particulars of sole proprietors and partners in partnerships</b>		
<b>Name*</b>	<b>Identity number*</b>	<b>Personal income tax number</b>
* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners		
<b>Section 5: Particulars of companies and close corporations</b>		
Company registration number .....		
.....		
Close corporation number .....		
.....		
Tax reference number .....		
.....		
<b>Section 6: The attached SBD4 must be completed for each tender and attached as a tender requirement</b>		
<b>Section 7: The attached SBD6.1 and SBD6.2 must be completed for each tender and attached as a tender requirement</b>		
<b>Section 8: The attached SBD8 must be completed for each tender and attached as a tender requirement</b>		
<b>Section 9: The attached SBD9 must be completed for each tender and attached as a tender requirement</b>		
The undersigned, who warrants that he/she is duly authorized to do so on behalf of the enterprise:		
i) authorizes the Employer to verify Tax Compliance Status from the South African Revenue Services or the Centralised Suppliers Database (CSD);		
ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;		
iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise,		

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control over the enterprise appears, has within the last five years been convicted of fraud corruption;  
iv) confirms that i/we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and  
v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

*Enterprise name* \_\_\_\_\_

\* The schedule should be used where tenders are subject to the Local Government: Municipal Finance Management Act.

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**SBD 4: DECLARATION OF INTEREST**

**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<sup>1</sup> 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

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

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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<sup>2</sup> 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.

<sup>2</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

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.....  
Signature

.....  
Date

.....  
Position

.....  
Name of bidder



EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

SBD4:

**DECLARATION OF EMPLOYEES OF THE STATE OR OTHER STATE INSTITUTIONS**

1. In terms of section 30 of the Public Service Act;

No employee shall perform or engage himself or herself to perform remunerative work outside his or her employment in the relevant department, except with the written permission of the executive authority of the department.

2.

Are any of the shareholders/ directors of your company employed by the State?	Yes/No
---	--------

3. "State" means –

- (a) Any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) Any municipality or municipal entity;
- (c) Any provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.
- (f) Any Parastatal (A company or agency owned or controlled wholly or partly by the government).

4. Should you indicate "yes" above, please provide the following details:

No	NAME & SURNAME OF DIRECTOR	STATE INSTITUTION WHERE EMPLOYED	ID NUMBER	EMPLOYEE/ PERSAL NUMBER
1				
2				
3				
4				
5				

5. Please note: The "state" is clearly defined in paragraph 3 above. In the event that "no" is selected and subsequently any false declaration are detected, the non-disclosure of such "state employment" will be deemed as "fraud". Therefore the state may reject the Quotation and in addition may proceed with further action should this declaration prove to be false.

6. **DECLARATION**

I, (NAME & SURNAME).....ID NUMBER.....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 AND 4 ABOVE IS CORRECT.

.....  
Signature

.....  
Date

.....

.....

Position Name of Bidder

**SBD 6.1**

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

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

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

**1. GENERAL CONDITIONS**

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and

**1.2 To be completed by the organ of state**

*(delete whichever is not applicable for this tender).*

- a) The applicable preference point system for this tender is the 80/20 preference point system.
- b) Either the 80/20 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

**1.4 To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	<b>POINTS</b>
<b>PRICE</b>	80
<b>SPECIFIC GOALS</b>	20
<b>Total points for Price and SPECIFIC GOALS</b>	<b>100</b>

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated

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 or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

**2. DEFINITIONS**

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

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

**3.1. POINTS AWARDED FOR PRICE**

**3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS**

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

**80/20**

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

**3.2.1. POINTS AWARDED FOR PRICE**

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

**80/20**

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

Where

$P_s$  = Points scored for price of tender under consideration  
PERIOD OF 36 MONTHS

$P_t$  = Price of tender under consideration

$P_{max}$  = Price of highest acceptable tender

#### 4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
  - (b) any other invitation for tender, that either the 80/20 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
- then the organ of state must indicate the points allocated for specific goals for both the 80/20 preference point system.

**Table 1: Specific goals for the tender and points claimed are indicated per the table below.**

***(Note to organs of state: Where either the 80/20 preference point system is applicable, corresponding points must also be indicated as such.***

***Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)***

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PREFERENTIAL SPECIFIC GOALS POINTS TABLE		
The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
<b>Historically Disadvantaged Individuals</b>		
(a) black ownership	4	
<b>Women ownership:-</b>		
(b) women ownership	2	
<b>Youth ownership:-</b>		
© youth ownership	4	
<b>People with Disability:-</b>		
(d) Disabled people ownership	2	
<b>Locality:-</b>		
(e) Within the KSD LM	8	

**DECLARATION WITH REGARD TO COMPANY/FIRM**

4.3. Name of company/firm.....

4.4. Company registration number: .....

4.5. TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Public Company
- Personal Liability Company
- (Pty) Limited
- Non-Profit Company
- State Owned Company

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I 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 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
- (a) disqualify the person from the tendering 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 tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted 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, if deemed necessary.

..... <b>SIGNATURE(S) OF TENDERER(S)</b>	
<b>SURNAME AND NAME:</b>	.....
<b>DATE:</b>	.....
<b>ADDRESS:</b>	..... ..... ..... .....

**GENERAL CONDITIONS OF CONTRACT**

- **The latest General Conditions of Contract [GCC] and Contract Law shall be applicable to this Quotation and obtainable by visiting the National Treasury website at [www.treasury.gov.za](http://www.treasury.gov.za)**
- **Bidders must familiarize themselves with these GCCs**

**SBD 6.2: 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 and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

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

Where

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

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

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

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation

**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:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
Steel Reinforcement	100%

3. Does any portion of the goods or services offered have any imported content?  
 (**Tick applicable box**)

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

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](http://www.reservebank.co.za)

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

<b>Currency</b>	<b>Rates of exchange</b>
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/industrialdevelopment/ip.jsp>. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

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

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

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

- (a) The facts contained herein are within my own personal knowledge.
  
- (b) I have satisfied myself that:
  - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
  
- (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:** \_\_\_\_\_

Annex C

SATS 1286.2011

**Local Content Declaration - Summary Schedule**

**Note: VAT to be excluded from all calculations**

<b>Tender No.</b>	SCMU10-23/24-0029	
<b>Tender description:</b>	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	
<b>Designated product(s)</b>	STEEL PRODUCTS AND COMPONENTS	
<b>Tender Authority:</b>		
<b>Tendering Entity name:</b>	Pula <input type="text"/>	EU <input type="text"/>
<b>Tender Exchange Rate:</b>		
<b>Specified local content %</b>	100%	

Tender item no's	List of items	Calculation of local content						Tender summary			
		Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)	Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)	(C16)	(C17)	(C18)	(C19)
Item 11, Page 43	(a) Type 193 fabric reinforcement							636			

<b>Signature of Bidders from Annex B</b>	(C20) Total tender value	<input type="text"/>
	(C21) Total Exempt imported content	<input type="text"/>
	(C22) Total Tender value net of exempt imported content	<input type="text"/>
	(C23) Total Imported content	<input type="text"/>
	(C24) Total local content	<input type="text"/>
Date: _____	(C25) Average local content % of tender	<input type="text"/>



PROVINCE OF THE EASTERN CAPE

DEPARTMENT OF TRANSPORT

TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

**The Tender – Part 2 – Returnable Documents**

TENDER NO. SCMU10-23/24-0029

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS  
IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36  
MONTHS**

**CONTRACT**  
**PART 1 (OF 4): AGREEMENTS AND CONTRACT DATA**

- C1.1 Form of Offer and Acceptance**
- C1.2 Contract Data**
- C1.3 Form of Security (Pro Forma)**

PROVINCE OF THE EASTERN CAPE

DEPARTMENT OF TRANSPORT

TENDER NO. SCMU10-23/24-0029

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS  
IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD  
OF 36 MONTHS**

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

**1. OFFER**

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

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS**

The Bidders, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the tender schedules, and by submitting this offer has accepted the tender conditions.

By the representative of the Bidders, deemed to be duly authorized, signing this part of this form of offer and acceptance, the Bidders 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 Agreement 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 Service Provider in terms of the Conditions of Contract identified in the Contract Data.

**OFFER SIGNATURE BLOCK**

**Authorised Signatory for the Tenderer:**

**Witness:**

.....  
Signature

.....  
Signature

.....  
Name

.....  
Name

.....  
Capacity

.....  
Date

**Tenderer** .....

(Name and address of organization)

**2. ACCEPTANCE**

By signing this part of this Form of Offer and Acceptance, the employer identified below accepts the Tenderers 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 Tenderers offer shall form an agreement between the employer and the Bidders upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the Contract are contained in

**Part C1: Agreements and Contract Data (which includes this Agreement)**

**Part C2: Pricing data**

**Part C3: Scope of Work**

**Part C4 : Site Information**

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

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 Bidders and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule, which must be duly signed by the authorised representative(s) of both parties.

The Bidders shall, within two weeks after receiving a completed copy of this agreement including the schedule of deviation (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 at, or just after, the date this Agreement comes into effect. Failure to fulfil any of the 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 Bidders receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the Bidders (now contractor), within five (5) 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.



ACCEPTANCE SIGNATURE BLOCK

**For The Employer**

**Witness**

.....  
Signature

.....  
Signature

.....  
Name

.....  
Name

.....  
Capacity  
for the **Employer:**  
**Department of Transport**  
**Room C1, Stellenbosch Park Building,**  
**Flemming Street,**  
**King Williams Town,**  
**5601**

.....  
Date

**3. SCHEDULE OF DEVIATIONS**

**Notes:**

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

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

By the duly authorized representatives signing this schedule of deviations, the employer and the Bidders 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 Bidders 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 Bidders of a completed signed copy of this agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

DEPARTMENT OF TRANSPORT  
PROVINCE OF THE EASTERN CAPE  
TENDER NO. SCMU10-23/24-0029

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IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36  
MONTHS**

**C1.2: CONTRACT DATA  
(PART 1)**

**PART 1: DATA PROVIDED BY THE EMPLOYER**

**CONDITIONS OF CONTRACT**

The **JBCC** Series 2000 Principal Building Agreement (Edition 4.1 of March 2005) prepared by the Joint Building Contracts Committee is applicable to this contract.

**CONTRACT VARIABLES**

**The Schedule**

The **Schedule** contains all variables referred to in this document and is divided into part 1: contract data completed by **employer** and part 2: contract data completed by the **contractor**. Part 1 must be completed in full and included in the tender documents. Both the part 1 and part 2 form part of this agreement.

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.

No.	Clause	Description
<b>PART 1: PRE-TENDER INFORMATION</b>		
<b>42.1 CONTRACTING AND OTHER PARTIES</b>		
	42.1.1	<b>Employer:</b> <b>The Department of Transport, Eastern Cape</b> Postal Address: <b>Private Bag X1605</b> <b>Grahamstown</b> <b>6139</b> Tel: +27 46 602 8128 Fax: 086 622 5131
	[1.2]	Physical address: <b>1 Reynolds Street</b> <b>Industrial Area</b> <b>Makanda</b>

		<b>6139</b>
	42.1.2 [5.1]	<p><b>Principal Agent: Professional services</b></p> <p>Postal Address: <b>1 Reynolds Street Industrial Area Makanda 6139</b></p> <p>Tel: +27 663817987 Fax: 086 622 5131 Email: <a href="mailto:phakamisa.ngqola@ectransport.gov.za">phakamisa.ngqola@ectransport.gov.za</a></p>
	42.1.3 [5.1]	<p><b>Agent (1) Civil/Structural : Professional services</b></p> <p>Postal Address: <b>Private Bag X1605 Grahamstown 6139</b></p> <p>Tel: +27 46 602 8128 Fax: 086 622 5131 Email: <a href="mailto:phakamisa.ngqola@ectransport.gov.za">phakamisa.ngqola@ectransport.gov .za</a></p>
	42.1.2 [5.2]	<p><b>Agent (2) Quantity Surveyor - The Department of Transport, Eastern Cape</b></p> <p>Postal Address: <b>Private Bag X1605 Grahamstown 6139</b></p> <p>Tel: +27 663817908 Fax: 086 622 5131 Email: <a href="mailto:Sonwabo.somhlahlo@ectransport.gov.za">Sonwabo.somhlahlo@ectransport.gov.za</a></p>
	42.1.3 [5.2]	<p><b>Agent (3) N/A</b></p> <p>Postal Address: <b>N/A</b></p> <p>Tel: N/A Fax: N/A Email: <a href="#">N/A</a></p>
	<b>42.2</b>	<b>CONTRACT DETAILS</b>
	42.2.1	<b>Works</b> description:
	42.2.2	<b>Site</b> description:
	42.2.4 [31.11.2#]	<p>Specific options that are applicable to a <b>State</b> organ only</p> <p>Where so:</p> <p>1) Interest rate legislation: The interest rate applicable will be as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public</p>

<p>[11.2#] [31.4.2#] [40.2.2#] [26.1.2#]</p>		<p>Finance Management Act, 1999 (Act No.1 of 1999)</p> <p>2) Lateral Support insurance to be effected by the <b>contractor</b>      <b>Yes</b> <input type="checkbox"/>      <b>No</b> <input checked="" type="checkbox"/></p> <p>3) Payment will be made for <b>materials and goods</b>      <b>Yes</b> <input checked="" type="checkbox"/>      <b>No</b> <input type="checkbox"/></p> <p>4) Dispute resolution by litigation      <b>Yes</b> <input checked="" type="checkbox"/>      <b>No</b> <input type="checkbox"/></p> <p>5) Extended <b>defects</b> liability period applicable to the following elements: <b>Not Applicable</b></p>																		
<p>42.2.6 [15.3]</p>		<p>Period for the commencement of the <b>works</b> after the <b>contractor</b> takes possession of the <b>site</b>: Ten (10) <b>working days</b>.</p>																		
<p>42.2.7</p>		<p>For the <b>works</b> as a whole</p>																		
<p>[24.3.1] [30.1]</p>		<p>The date for <b>practical complete</b> shall be <b>12 months</b> from the <b>commencement date</b> and the penalty per <b>calendar day</b> shall be <b>R350.00</b></p>																		
<p>42.2.8 [24.3.1] [28.1]</p>		<p>For the <b>works</b> as a whole:</p> <p>The date for <b>practical completion</b> from the <b>commencement date</b> and the <b>penalty per calendar day</b>:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 35%; text-align: center;">Date</th> <th style="width: 35%; text-align: center;">Penalty Amount</th> </tr> </thead> <tbody> <tr> <td><b>Section 1</b></td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td><b>Section 2</b></td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td><b>Section 3</b></td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td><b>Section 4</b></td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td><b>Section 5</b></td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table>		Date	Penalty Amount	<b>Section 1</b>	N/A	N/A	<b>Section 2</b>	N/A	N/A	<b>Section 3</b>	N/A	N/A	<b>Section 4</b>	N/A	N/A	<b>Section 5</b>	N/A	N/A
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<b>Section 4</b>	N/A	N/A																		
<b>Section 5</b>	N/A	N/A																		
<p>42.2.9 [1.2]</p>		<p>The <b>law</b> applicable to this agreement shall be that of: <b>The Republic of South Africa</b></p>																		
<p><b>42.3</b></p>		<p><b>INSURANCES</b></p>																		
<p>42.3.1 [10.1#, 10.2#, 12.1#]</p>		<p>Contract works insurance to be effected by <b>contractor</b></p> <p><input checked="" type="checkbox"/> To the minimum value of the <b>contract sum</b> plus 10% with a deductible not exceeding 5% of each and every claim</p> <p>Or</p> <p><input type="checkbox"/> For the minimum sum of <b>R_____ ( )</b> with a deductible not exceeding 5% of each and every claim</p>																		
<p>42.3.2 [10.1#, 10.2#, 12.1#]</p>		<p>Supplementary insurance is required      <b>Yes</b> <input checked="" type="checkbox"/>      <b>No</b> <input type="checkbox"/></p> <p>To the minimum value of the <b>contract sum</b> plus 10%</p>																		
<p>42.3.3 [11.1#, 12.1#]</p>		<p>Public liability insurance to be effected by the <b>contractor</b></p> <p><input checked="" type="checkbox"/> To the minimum value of the R5 million (Five Million Rands only) with a deductible not exceeding 5% of each and every claim</p> <p>Or</p> <p><input type="checkbox"/> For the minimum sum of <b>R_____ ( )</b> with a deductible not exceeding 5% of each and every claim</p>																		

	42.3.4 [11.2#, 12.1#]	Support insurance to be effected by the <b>contractor</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> For the sum of R <b>insert amount (insert amount in words)</b>
	<b>42.4</b>	<b>DOCUMENTS</b>
	42.4.2 [3.7]	Three (3) copies of the construction documents will be supplied to the <b>contractor</b> at no cost
	42.4.3	<b>Bill of quantities / Lump sum document</b> schedule of rates drawn up in accordance with <input checked="" type="checkbox"/> Standard System of Measuring Building Work (seventh edition as amended) Or <input type="checkbox"/> Other: ( <b>Specify</b> )
	42.4.5 [3.4]	<b>JBCC Engineering General Conditions</b> are to be included in the <b>contract documents</b> : Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	42.4.6 [31.5.3]	The <b>contract value</b> is to be adjusted using <b>CPAP</b> indices: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Alternative Indices (If applicable) _____
	42.4.7 [3.10]	Details of changes made to the provisions of <b>JBCC</b> standard document
1	1.1	<b>COMMENCEMENT DATE</b> – Means the date that the <b>agreement</b> , made in terms of the Form of Offer and Acceptance, comes into effect <b>CONSTRUCTION GUARANTEE</b> – means a guarantee at call obtained by the contractor on the <b>commencement date</b> and ending on the date of <b>practical completion</b> <b>CORRUPT PRACTICE</b> – 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 <b>FRAUDULENT PRACTICE</b> – 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 <b>INTEREST</b> – 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) <b>PRINCIPAL AGENT</b> – means the person or entity appointed by the <b>employer</b> and named in the <b>schedule</b> . In the event of a <b>principal agent</b> not being appointed, then all the duties and obligations of a <b>principal agent</b> as detailed in the <b>agreement</b> shall be fulfilled by a representative of the <b>employer</b> as named in the <b>schedule</b> <b>SECURITY</b> – means a form of security provided by the <b>employer</b> or <b>contractor</b> , as stated in the <b>schedule</b> , from which the <b>contractor</b> or <b>employer</b> may recover expense or loss
2	1.6	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:
3	1.6.4	No clause
4	3.2.1	Add at the end thereof: The <b>contractor</b> shall supply and keep a copy of the <b>JBCC Series 2000 Principal Building Agreement and Preliminaries</b> applicable to his contract on the <b>site</b> , to which the <b>employer, principal agent and agents</b> shall have access at all times.
5	3.10	Replace the second reference to “ <b>principal agent</b> ” with the word “ <b>employer</b> ”

6	4.3	No clause
7	5.1.2	Under clause 41 – Include reference to 32.6.3; 34.3; 34.4 and 38.5.8 in terms of which the <b>employer</b> has retained its authority and has not given a mandate to the <b>principal agent</b> and in terms of which the <b>employer</b> shall sign all documents
8	10.5	Add the following as 10.5  <b>Damage to the works</b> (1) Without in any way limiting the <b>contractor's</b> obligations in terms of the terms of the contract, the <b>contractor</b> shall bear the full risk of damage to and/or destruction of the <b>works</b> and hereby indemnifies and holds harmless the <b>employer</b> against any such damage. The <b>contractor</b> shall take such precautions and security measures other steps for the protection and security of the <b>works</b> as the <b>contractor</b> may deem necessary. (2) The <b>contractor</b> shall at all times proceed immediately to removed or dispose of any debris arising from damage to or destruction of the <b>works</b> and to rebuild, restore, replace and/or repair the <b>works</b> (3) The <b>employer</b> shall carry the risk of damage to or destruction of the <b>works</b> and material paid for by the <b>employer</b> that is the result of the excepted risks as set out in 10.6 (4) Where the <b>employer</b> bears the risk in terms of this contract, the <b>contractor</b> shall, if requested to do so, reinstate any damage or destroyed portions of the <b>works</b> and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof
9	10.6	Add the following as 10.6  <b>Injury to Persons or loss of or damage to Properties</b> (1) The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any liability, loss, claim or proceeding whether arising in common la 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 <b>works</b> unless due to any act or negligence of any person for whose actions the <b>employer</b> is legally liable (2) The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or personal property or property contiguous to the <b>site</b> , whether belonging to or under the control of the <b>employer</b> or any other body or person, arising out of or in the course of or by reason of the execution of the <b>works</b> unless due to any act or negligence of any person for whose actions the <b>employer</b> is legally liable (3) The <b>contractor</b> shall upon receiving a <b>contract instruction</b> from the <b>principal agent</b> cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the <b>employer</b> shall be entitled to cause it to be made good and to recover the cost thereof from the <b>contractor</b> or to deduct the same from amounts due to the <b>contractor</b> (4) The <b>contractor</b> shall be responsible for the protection and safety of such portions of the premises placed under his control by the <b>employer</b> for the purpose of executing the <b>works</b> until the issue of the <b>certificate of practical completion</b> (5) Where the execution of the <b>works</b> 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 <b>contractor</b> , 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 <b>works</b> has been completed (6) The <b>contractor</b> 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 <b>works</b>
10	10.7	<p>Add the following as 10.7</p> <p><b>HIGH RISK INSURANCE</b></p> <p>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:</p>
	10.7.1	<p><b>Damage to the works</b></p> <p>The <b>contractor</b> shall, from the <b>commencement date</b> of the <b>works</b> until the date of the <b>certificate of practical completion</b>, bear the full risk of and hereby indemnifies and holds harmless the <b>employer</b> against any damage to and/or destruction of the <b>works</b> consequent upon a catastrophic ground movement as mentioned above. The <b>contractor</b> shall take such precautions and security measures and other steps for the protection of the <b>works</b> as he may deem necessary</p> <p>When so instructed to do so by the <b>principal agent</b>, the <b>contractor</b> shall proceed immediately to removed and/or dispose of any debris arising from damage to or destruction of the <b>works</b> and to rebuild, restore, replace and/or repair the <b>works</b>, at the <b>contractor’s</b> own costs</p>
	10.7.2	<p><b>Injury to persons or loss of or damage to property</b></p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies and holds harmless the <b>employer</b> 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 person injuries to or the death of the death of any person whomsoever resulting from arising out of or caused by a catastrophic ground movement as mentioned above</p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or personal property or property contiguous to the <b>site</b>, whether belonging to or under the control of the <b>employer</b> 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</p>
	10.7.3	<p>It is the responsibility of the <b>contractor</b> 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 <b>contractor’s</b> obligations in terms of the contract, the <b>contractor</b> shall, within twenty one (21) <b>calendar days</b> of the <b>commencement date</b> but before commencement of the <b>works</b>, submit to the <b>employer</b> proof of such insurance policy, if requested to do so.</p>
	10.7.4	<p>The <b>employer</b> shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the <b>contractor’s</b> 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 <b>contractor</b> 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 <b>contractor</b> and for this purpose all these contracts shall be considered one indivisible whole.</p>
	15.1.1	No clause
	15.1.4	<p>Add 15.1.4 as follows:</p> <p>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) <b>calendar days</b> of <b>commencement date</b></p>
	15.2.1	<p>Amend as follows:</p> <p>“Give the <b>contractor</b> possession of the <b>site</b> within ten (10) <b>working days</b> of the <b>contractor</b> complying with the terms of 15.1.4</p>
	20.1.3	No clause



21.0	No clause
26.1.2	Add # next to 26.1.2
29.2.5	No clause
31.12	Delete the following: "Payment shall be subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due."
32.5.1, 32.5.4 and 32.5.7	Add the following to the end of each of these clauses: ".....due to no fault of the <b>contractor</b> "
34.1	Remove #
34.2	Add # next to 34.2
34.13	Replace "seven (7) <b>calendar days</b> " with "twenty one (21) <b>calendar days</b> " and delete the words: "subject to the <b>employer</b> giving the <b>contractor</b> 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	Refuses or neglects to comply strictly with any of the conditions of contract
36.1.4	Estate being sequestrated; liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa
36.1.5	In the judgment of the employer, has engaged in <b>corrupt</b> or <b>fraudulent practices</b> in competing for or in executing the contract
36.3	Remove reference to "No clause", and replace " <b>principal agent</b> " with " <b>employer</b> "
36.7, 37.5 and 38.7	Add the following: "Notwithstanding any clause to the contrary, on cancellation of this <b>agreement</b> either by the <b>employer</b> or the <b>contractor</b> , or for any reason whatsoever, and the contractor shall on written instruction, discontinue with the <b>works</b> on a date stated and withdraw himself from the <b>site</b> . The <b>contractor</b> 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"
37.3.5 and 38.5.4	Replace "ninety (90)" with "one hundred and twenty (120)"
39.3.5	Add the following words at the end thereof: "within one hundred and twenty (120) <b>working days</b> of completion of such report"
40.2.2	Under clause 41 – replace "one (1) year" with "three (3) years"
40.6	Under clause 41 – remove reference to no clause
40.7.1	Change "(10)" to "(15)"
	Add the following to the end thereof: Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the <b>mediator</b> and related costs

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DEPARTMENT OF TRANSPORT

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**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON  
PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM  
FOR A PERIOD OF 36 MONTHS**

**C1.2: CONTRACT DATA (PART 2)**

**PART 2: DATA PROVIDED BY THE CONTRACTOR**

No.	Clause	Description
1	42.5.1	The Contractor is ..... <i>[The Legal name of the Contractor].</i>
2	42.5.1	The Contractor's address for receipt of communications and notices is: Telephone: ..... Facsimile: ..... E-mail: ..... Address (Postal): ..... Address (Physical): ..... ..... ..... ..... ..... TAX / VAT Registration No:.....
3	42.5.2	The accepted <b>contract sum</b> inclusive of <b>tax</b> is R ..... Amount in words: ..... .....
4	42.5.3 [31.3]	The latest day of the month for the issue of an interim <b>payment certificate</b> : .....
5	42.5.4 [32.12]	The preliminaries amounts shall be paid in terms of: <b>Option A</b> <input type="checkbox"/> <b>Option B</b> <input type="checkbox"/>
6	42.5.5 [32.12]	The preliminaries amounts shall be adjusted in terms of: <b>Option A</b> <input type="checkbox"/> <b>Option B</b> <input type="checkbox"/>
7	42.5.7 [14]	<b>The security to be provided by the contractor:</b> 1. Variable <b>construction guarantee</b> of 12.5% of the <b>contract sum</b> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> 2. Fixed <b>construction guarantee</b> of 7.5% of the <b>contract sum</b> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> 3. Payment reduction of 10% of the value certified in the <b>payment certificate</b> [14.7.1] <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/>

No.	Clause	Description
		<p><b>NB: Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-term Insurance Act, 1998 (Act 53 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.</b></p>
	<p>42.5.8 [29.7.2]</p>	<p>The annual building holiday period after commencement of the <b>construction period</b>:</p> <p>From: _____ to _____</p>
	<p><b>42.6</b> 42.6.1</p>	<p><b>DOCUMENTS</b></p> <p><b>Contracts documents</b> marked annexed hereto:</p> <p>Priced <b>bill of quantities</b>: <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> marked as: _____</p> <p><b>Lump sum document</b>: <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> marked as: _____</p> <p><b>Guaranteed</b>: <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> marked as: _____</p> <p><b>Contract drawings</b>: <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> marked as: _____</p> <p>Other documents: <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> (<i>Attach additional pages if more space is required</i>)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS  
IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36  
MONTHS**

**CONTRACT  
PART 2 (OF 4): PRICING DATA**

- C2.1 Pricing Instructions**
- C2.2 Bill of Quantities**

## C2.1: PRICING INSTRUCTIONS

1. Where possible the Contractor is to use local labour throughout the project.
2. The **bills of quantities** forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**; i.e. the Standard Conditions of Tender, Conditions of Contract, Contract Data, Specifications (including Project Specifications), Drawings and all other relevant documentation.
3. The Bill comprises items covering the Contractor's profit and costs of general liabilities and of the construction of Temporary and Permanent Works.

Although the Tenderer is at liberty to insert a rate of his own choosing for each item in the Bill, he should note the fact that the Contractor is entitled, under various circumstances, to payment for additional work carried out and that the Principal Agent is obliged to base his assessment of the rates to be paid for such additional work on the rates the Contractor inserted in the Bill.

4. Descriptions in the Bill of Quantities are abbreviated and may differ from those in the Standardized and Project Specifications. No consideration will be given to any claim by the Contractor submitted on such a basis. The Bill has been drawn up generally in accordance with the *The Standard System of Measuring Building Works (7<sup>th</sup> Edition)* and the *Model Preambles for Trades 2008* (both published by the ASAQS). Should any requirement of the measurement and payment clause of the appropriate Standardized or Project Specification(s) be contrary to the terms of the Bill or, when relevant, to the Standard System of Measuring Building Works and Model Preambles 2008, the requirement of the appropriate Standardized, Project, or Particular Specification as the case may be, shall prevail.
5. Unless stated to the contrary, items are measured net in accordance with the Drawings without any allowance having been made for waste.
6. The amounts and rates to be inserted in the Bill of Quantities shall be the full inclusive amounts to the Employer for the work described under the several items. Such amounts shall cover all the costs and expenses that may be required in and for the construction of the work described, and shall cover the costs of all general risks, profits, taxes (but excluding value-added tax), liabilities and obligations set forth or implied in the documents on which the Tender is based.
7. An amount or rate shall be entered against each item in the Bill of Quantities, whether or not quantities are stated. An item against which no amount or rate is entered will be considered to be covered by the other amounts or rates in the Bill.

The Tenderer shall also fill in a rate against the items where the words "rate only" appear in the amount column. Although no work is foreseen under these items and no quantities are consequently given in the quantity column, the tendered rates shall apply should work under these items actually be required.

Should the Tenderer group a number of items together and tender one sum for such group of items, the single tendered sum shall apply to that group of items and not to each individual item, or should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed to be nil.

The tendered rates, prices and sums shall, subject only to the provisions of the Conditions of Contract, remain valid irrespective of any change in the quantities during the execution of the Contract.

The **contract sum** must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the **bills of quantities** must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.

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8. The quantities of work as measured and accepted and certified for payment in accordance with the Conditions of Contract, and not the quantities stated in the Bill of Quantities, will be used to determine payments to the Contractor. The validity of the Contract shall in no way be affected by differences between the quantities in the Bill of Quantities and the quantities certified for payment.

**Ordering of materials** are not to be based on the Bill of Quantities, but only on information issued for construction purposes.

9. Products and materials specified using **trade names** are not necessarily the products and materials that must be supplied. Rather; the trade names are an indication of the quality of products and materials required for the project.

Eastern Cape Department of Transport inspectorate must approve all materials prior to installation.

10. For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

Unit	:	The unit of measurement for each item of work as defined in the Standardized, Project or Particular Specifications
Quantity	:	The number of units of work for each item
Rate	:	The payment per unit of work at which the Tenderer tenders to do the work
Amount	:	The quantity of an item multiplied by the tendered rate of the (same) item
Sum	:	An amount tendered for an item, the extent of which is described in the Bill of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units

11. The units of measurement indicated in the Bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:

mm	=	millimetre
m	=	metre
km	=	kilometre
km-pass	=	kilometre-pass
m <sup>2</sup>	=	square metre
m <sup>2</sup> -pass	=	square metre-pass
m <sup>3</sup>	=	cubic metre
m <sup>3</sup> -km	=	cubic metre-kilometre
kW	=	kilowatt
kN	=	kilonewton
kg	=	kilogram
t	=	ton (1 000 kg)
%	=	per cent
PC Sum	=	Prime Cost Sum
Prov Sum	=	Provisional Sum

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**C2.2: BILL OF QUANTITIES**



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<b>CONTRACT PART 3 (OF 4): SCOPE OF WORKS</b>		
	<b>ITEM</b>	<b>PAGE</b>
<b>C3.1</b>	<b>Description of the Works</b>	<b>C3.2</b>
<b>C3.2</b>	<b>Engineering (N/A)</b>	<b>C3.6</b>
<b>C3.3</b>	<b>Procurement</b>	<b>C3.7</b>
<b>C3.4</b>	<b>Construction</b>	<b>C3.8</b>
<b>C3.5</b>	<b>Management</b>	<b>C3.128</b>

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**C3.1: DESCRIPTION OF THE WORKS**

**C3.1.1 EXTENT OF THE WORKS**

The Scope of the Works entails the construction of new eight (8) low cost housing project and the proposed work will include but not limited to the following:

- Site Establishment.
- Earthworks
- Building works
- Minor electrical works (fittings and wiring only)

**C3.1.2 ORDER OF THE WORKS**

The contractor is to order works as they deem fit or per instruction by the Principal Agent.

**C3.1.3 LABOUR-INTENSIVE WORKS**

Employer's objectives:

The employer's objectives are to deliver public infrastructure using labour-intensive methods in accordance with EPWP Guidelines.

Labour-intensive works:

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work.

Labour-intensive competencies of supervisory and management staff:

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 "National Certificate: Supervision of Civil Engineering Construction Processes" and Site Agent/ Manager at NQF level 5 "Manage Labour-Intensive Construction Processes" or equivalent QCTO qualifications (See Appendix C) at NQF outlined in Table 1

### C3.1.4 GENERIC LABOUR-INTENSIVE SPECIFICATIONS

Contractors are referred to the Guidelines for the Implementation of Labour-intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP) for the generic labour-intensive specification applicable to the contract.

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- trenches having a depth of less than 1.5 metres
- stormwater drainage
- roads
- sidewalks and non-motorised transport infrastructure
- water and sanitation

#### **Precedence**

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail.

#### **Hand excavateable material**

Hand excavateable material is:

##### **a) granular materials:**

- i) whose consistency when profiled may in terms of table 2 be classified as very loose, loose, medium dense, or dense; or
- ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

##### **b) cohesive materials:**

- i) whose consistency when profiled may in terms of table 2 be classified as very soft, soft, firm, stiff and stiff / very stiff; or
- ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

#### **Note**

- 1) A boulder is material with a particle size greater than 200mm, a cobble and gravel is material between 60 and 200mm.
- 2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

<b>Table 2: Consistency of materials when profiled</b>			
<b>GRANULAR MATERIALS</b>		<b>COHESIVE MATERIALS</b>	
<b>CONSISTENCY</b>	<b>DESCRIPTION</b>	<b>CONSISTENCY</b>	<b>DESCRIPTION</b>
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of a geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

### **Trench excavation**

All hand excavateable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

### **Compaction of backfilling to trenches (areas not subject to traffic)**

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers;

- a) to 90% Mod AASHTO;
- b) such that in excess of 5 blows of a dynamic cone penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or
- c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

### **Excavation**

All excavateable material including topsoil classified as hand excavateable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand. Any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

**Clearing and grubbing**

Grass and bushes shall be cleared by hand.

**Shaping**

All shaping shall be undertaken by hand.

**Loading**

All loading shall be done by hand. Haulage equipment should be selected in a manner that allows loading by hand to the greatest extent possible.

**Haul**

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

**Offloading**

All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage.

**Spreading**

All material shall be spread by hand.

**Compaction**

Small areas may be compacted by hand provided that the specified compaction is achieved. Appropriate rollers should be used where higher (than can be achieved by hand) levels of compaction are required or for large areas.

**Grassing**

All grassing shall be undertaken by sprigging, sodding, or seeding by hand.

**Stone pitching and rubble concrete masonry**

All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must to be collected, loaded, off loaded and placed by hand.

Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Grout shall be mixed and placed by hand.

**Manufactured Elements**

Elements manufactured or supplied by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. Where the mass of an element exceeds 55 kg, consideration should be given to the size of the element relative to its total mass related to the number of workers who would be needed to lift such mass

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**C3.2: ENGINEERING**

**NOT APPLICABLE**



# EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

## C3.5 : MANAGEMENT

### C3.5.1 MANAGEMENT OF THE WORKS

#### C3.5.1.1 Applicable standards

The following documents and COLTO standards and associated specification data are applicable and form part of the Contract :

- i) **Volume 1** : The JBCC Series 2000 Principal Building Agreement (Edition 4.1 of March 2005), which the Bidders must purchase himself.
- ii) **Volume 2** : PW 371-A: Construction Works General Specifications (Edition 2.1 of July 2014) and PW 371-B: Construction Works Particular Specifications (Edition 2.2 of December 2015) issued by Department of Public Works available on [www.publicworks.gov.za](http://www.publicworks.gov.za) (bidders to download these documents themselves)
- iii) **Volume 3** : This document
- iv) **Volume 4** : Set of Drawings issued with Volume 3
- v) Health and Safety Specification (may be bound in at the back of Volume 3 or issued as a separate volume)



**Part C3: SCOPE OF WORK**

**SECTION D: OCCUPATIONAL HEALTH AND SAFETY SPECIFICATIONS**

## Part C3: SCOPE OF WORK

### PROJECT SPECIFICATION

### OCCUPATIONAL HEALTH AND SAFETY SPECIFICATIONS

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## C1. INTRODUCTION

### C1.1 List of Abbreviations

AIA	Approved Inspection Authority
BoQ	Bill of Quantities
CC	Compensation Commissioner
CRs	Construction Regulations
DRPW	Department of Roads and Public Works of the Eastern Cape Provincial Government
DME	Department of Mineral and Energy
DMR	Driven Machinery Regulations
DoL	Department of Labour
FEMA	Federated Employers Mutual Association
GAR	General Administration Regulations
GSR	General Safety Regulations
HIRA	Hazard Identification Risk Assessment
H&S	Health and Safety
LI	Labour Intensive
MS	Method Statements
MH&SA	Mine Health and Safety Act No. 29 of 1996 (as amended)
OH	Occupational Health
OHSA	Occupational Health and Safety Act No. 85 of 1993 (as amended)
OHSS	Occupational Health and Safety Specification
PSHSS	Project Specific Health and Safety Specification
PC	Principal Contractor
PPE	Personal Protective Equipment
ER	Engineer's Representative
RHCS	Regulations for Hazardous Chemical Substances
SANS	South African National Standards (Authority)
SMME	Small, Micro, Medium Enterprise
SWP	Safe Work Procedure

## C1.2 Definitions

The definitions used will be those set out in the Regulation Gazette No 7721 of 18 July 2003 with the following additions:

**Client:** The Head of Department, Department of Transport of the Province of the Eastern Cape.

**DoT:** The Department of Transport for the Province of the Eastern Cape.

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

**Engineer:** Means a competent person appointed by the Client 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 Project 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.

**Mine:** Any excavation from which material (soil, gravel, stone etc.) is taken for use in the construction site.

**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 and haul roads which are reasonably required for the activities for the Principal Contractor, and approved for such use by the Engineer.

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

### C1.3 Key Role-Players

Client Representatives: Bongikhaya Boqwana (Construction supervisor)  
G. Chikwava (OHS officer)

Engineer: Phakamisa Ngqola

### C1.4 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)  
Committee of Land Transport Officials (COLTO) South African Roads Specifications for Road and bridge Construction  
Traffic Safety Manual (SARTSM) Chapter 2, Volume 13 of 1999  
Road Traffic Safety Act No. 93 of 1996 (as amended)

## C2. PREAMBLE

The Department of Roads and Public Works (DRPW) is tasked to provide infrastructure within the Eastern Cape including the construction of roads and civil structures.

Each year fatalities and serious injuries mar the reputation of the Construction Industry. The DRPW has a responsibility to limit such injuries by ensuring a zero tolerance approach to Contractors and those affiliated to a particular project. Thus a high premium is placed on the H&S of DRPW stakeholders, which include its employees, professional service providers, public and its physical assets. The responsibilities that the Department and relevant stakeholders have toward its employees are captured in 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.

The DRPW, as the Client and its Health and Safety (H&S) Agent acting on its behalf, shall provide a project specific Health & Safety Specification (PSHSS) for the project and provide it to the Principal Contractor/s making a bid or appointed to perform construction work for the project, or parts thereof.

### C2.1 Purpose of the Occupational Health and Safety Specification (OHSS)

The OHSS is a performance specification to ensure that the Client (DRPW) and any bodies that enter into formal agreements with the Client, i.e. Engineers, Principal Contractors (PC) and Contractors, achieve an acceptable level of OHS performance. The Client has a zero tolerance to non-compliance and the endangering of the lives of workers, and the public, thereby being placed at risk.

No advice, approval of any document required by the OHSS (i.e. hazard identification and risk assessment, action plans) or any other form of communication from the Client shall be construed as an acceptance by the Client. Nor shall such communication relieve or absolve the PC from any obligation or from achieving compliance with legal requirements. The PC remains responsible for achieving the required performance levels and must sign an OHS S.37.2 mandatory agreement with the Client.

The H&S Specification 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.

### **C3. IMPLEMENTATION OF THE OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION (OHSS)**

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. Failure to do so will be noted as a serious offense, and will result in a penalty, stoppage of part of, or the whole works, with no extension of time or allowable claims; this includes the submission of an approved health and safety plan

This specification must be read in conjunction with the OHS Act, its 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. is detailed in the tender document, and is to be taken into account when developing the H&S plan and associated documentation. The detailed design risk assessment is included, as is a summary of risks identified as attached.

The OHS Act S.37.2 Mandatory Agreement found in the Tender Document must be fully completed by the PC. 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 H&S Agent. Failure to comply with this requirement will result in a penalty, stoppage of part of, or the whole works, with no extension of time or allowable claims.

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 a similar system must be implemented between all their Contractors.

The H&S Agent will visit the project at least monthly, or more frequently if deemed necessary to ensure compliance. All activities on the site and all appropriate documentation will be monitored and reported on to the Client, Engineer and Contractor. Non-conformances will be issued and penalties or work stoppage instructions will be issued where appropriate. Communication between the H&S Agent and the PC will be through the Engineer or Engineer's Representative (ER) as determined at the commencement of the project.

### **C4. REQUIREMENTS AT TENDER STAGE**

Tenderers are required to submit a pre-tender H&S plan with their Tender submission.

The documentation submitted will be used to assess the competence of the tenderer, as required by the CRs, therefore the information submitted needs to be complete and as close as possible to the final product.

Adequate pricing for H&S is also 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 the following information is submitted as part of the H&S plan with his completed Tender:

A project specific H&S Plan in line with this project specification which will be subject to approval by the H&S 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 Construction Regulations 2003;

A valid Letter of Good Standing;

At least one copy of minutes of previous Occupational Health and Safety Committee meetings;  
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;  
A copy of the latest DMR audit of a mine previously worked on (if applicable), and Detailed technical method statements for approval by the ER and appropriate risk assessments and safe work procedures for approval by the H&S Agent:  
Site establishment;  
Clearing and grubbing;  
Opening and establishing quarries and borrow pits;  
Haul road construction, and  
Construction of the site laboratory, offices and accommodation  
Appointments of the following, with the relevant CVs: Construction Supervisor, Construction Health and Safety Officer, Risk Assessor, Fall Protection Planner, First Aider.  
An organogram of the site relationships showing at least the above appointments by name.

Further method statements are to be submitted prior to, and during the project which will require the approval of the ER before work on that aspect or activity can commence.

#### **PRE-START UP ACTIVITIES:**

Once the H&S plan has been approved there may well be additional documentation that includes appointments, emergency arrangements or further method statements and risk assessments. The inclusion of such aspects for personnel or Contractors commencing work at this time is required to be approved and verified by the Engineer and H&S Agent.

#### **C5. SPECIFIC PROJECT RISKS AND REQUIREMENTS**

The aspects covered in Sections 6.4 to 6.7 have been noted as risk areas in the design hazard identification and risk assessment (HIRA), and are to be noted when developing the H&S plan and associated documentation. The COLTO Standard Specification (among other) document was used to develop the HIRA, and the same reference format is used. Where particular risks are noted, further requirements may be specified. Identification of low or medium risks does not mean there is no risk involved. In depth HIRAs and management systems are required to limit as much risk as possible as required in OHSA. Requirements for H&S systems, standards, PPE etc. are noted (but are not limited to), and the management thereof should be included in the documentation.

Technical method statements are to be developed for all key activities as they relate to the programme and approved by the ER. HIRA are to be developed using the approved method statements. Method statements are to incorporate the following information: plant, equipment, labour requirements, method of working and the duration of each activity.

H&S method statements and safe work procedures (SWPs) (or safe operating procedures (SOPs) are to be used by key site staff for daily activities and supervisors need to ensure the site, workers and the public are kept safe. The environmental issues may be included, but will need to be approved by the Environmental Consulting Officer (ECO).

## C6. GENERAL REQUIREMENTS

### C6.1 Summary of Risks identified during Design

#### C6.1.1 General Requirements and Provisions (Series 1000)

Information in this series cover the start-up aspects of the project, with a number of the activities (excluding establishment) lasting the duration of the contract.

#### C6.1.2 Drainage (Series 2000)

#### C6.1.3 Earthworks and Pavement Layers of Gravel or Crushed Stone (Series 3000)

#### C6.1.4 Asphalt Pavements and Seals (Series 4000)

#### C6.1.5 Ancillary Roadworks (Series 5000)

#### C6.1.6 Concrete Pavements (Series 7000)

#### C6.1.7 Specified Hazardous Chemical Substances

The following lists of products or type of substance are those that have been identified as likely to be used on the project. Where the PC is likely to supply the product as the product has not been specified, safer alternatives should be considered. Medical surveillance will be required for those

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.
Asphalt	Inhalation will cause headaches, nausea, respiratory, eye and skin irritation. Carcinogen. Burns from hot mix. Hydrogen sulphide and carbon monoxide emitted as by-product. Breaking or cutting will release silica (crystalline)
Retro-reflective Road paint	High levels of volatiles, Products have narcotic effect
Lime	Dust, eye and respiratory irritation
Petrol/Diesel/Lubricants	Storage tanks/ bowsers 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.



DEPARTMENT OF TRANSPORT EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	
Creosote (pre-treated poles)	Eye and skin irritation, severe 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

**C7. NOTIFICATION OF COMMENCEMENT OF CONSTRUCTION WORK**

The PC shall notify the Provincial Director of the Department of Labour (DoL) in writing, in the form of the Annexure A in the CRs. This shall occur after award of the contract, but before commencement of construction work. Proof of submission and/or receipt must be provided. Work will not commence without the Notification being correctly completed and signed by the Client. The Notification shall only be signed by the Client following the approval in writing by the H&S Agent.

Work will not commence without the Notification being correctly completed and signed by the Client and proof of receipt by the Department of Labour received. The Notification shall only be signed by the Client following the approval in writing by the H&S Agent, or the Client.

Where changes to the conditions given in the submission are required (i.e. other Contractors, completion dates, increase in workers), a revised Annexure A must be submitted to the Department of Labour. It is preferable that the completion date includes the defect liability period. A copy of the notification form and any further submissions must be kept in the H&S file.

**C8. HEALTH AND SAFETY PLAN FRAMEWORK**

The 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 a H&S system that will address the requirements of the project.

The current legislative requirements, SANS codes 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 the design HIRA, as playing a role in reducing the overall risk of a particular activity, or section of the project. The H&S Agent may from time to time request additions or systems as they relate to the works at the time.

The PC must include in his Health and Safety file an organogram showing all appointments and responsibilities on site. This must include names of personnel where possible.

The PC is to prepare one or more site layout drawings to indicate at least the following:

- positions of emergency personnel and equipment at the site camp, or each fixed working area;
- traffic routes for plant and pedestrians, parking;
- storage areas (flammable stores, materials etc.)

Such drawings could be the same as those required by the ECO. Such layouts are to be updated regularly throughout the project.

## **C8.1 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). 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 H&S 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 H&S Officer.

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

### **C8.1.1 Construction Supervision**

Competent supervisors who are appointed to manage part or all of the works must have had training and/or experience in the area of responsibility. All site supervisors must show evidence of basic training in H&S, and an understanding or training in areas of responsibility (i.e. risk assessments, method statements etc.).

Multiple competent supervisors may be appointed where justified by the scope and complexity of the works. Curriculum Vitae (CVs) are to be submitted for approval by the Engineer, Agent, and/or Client. Each supervisor will be held responsible for the safety of working teams and subordinates, housekeeping and stacking and storage of materials.

### **C8.1.2 Construction Health and Safety Officer**

The PC will employ at least one competent, full-time H&S Officer for the duration of the contract. If the Client approves, a part-time CHSO may be used on small projects.

The H&S Officer's CV is to be submitted for approval by the Engineer as well as the H&S Agent, preferably at the pre-construction phase. 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 or similar (e.g. NEBOSH;), with a minimum of two years exposure to Civil Engineering Construction 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 H&S officer must have the competence to evaluate the Contractors Health and Safety plans. The CHSO must hold a valid driver's license.

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

The Construction Supervisor assisted by the H&S Officer 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 H&S Officer at all times. No new workers or Contractors may commence work without approval or following the H&S plan as submitted. Failure to do so will be considered a serious offence.

The H&S Officer shall not be the same person as the Traffic Safety Officer, but will be responsible for ensuring that daily traffic management is adequately managed for all teams.

A close out meeting will be held at the end of each formal audit by the H&S Agent and findings will be issued in the form of site instructions. Senior site staff will be obliged to attend the close out meeting.

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 H&S Agent and the H&S Officer. The H&S Officer will be responsible for collating the H&S documentation (electronically) at the close out of the project. A list of the typical aspects that should be provided is available as an Annexure to this document.

#### C8.1.3 Traffic Safety Officer (TSO)

The PC is to appoint a competent TSO. The TSO shall be responsible to the H&S Officer. The CV of the TSO is to be submitted to the Engineer and H&S Agent for approval. Attention is drawn to the provisions of Section 1500 of the COLTO specifications as given in the Contract Data and Scope of Work. Furthermore, no workers will be allowed to be transported in open vehicles, or with plant and materials.

Traffic accommodation drawings will be provided by the Engineer, and any changes suggested or required are to be discussed and approved by the Engineer. Speed controls must be clearly stipulated and managed. Speed limits must be strictly adhered to by all construction traffic. Unreasonable limits may be revised by the Engineer and/or H&S agent. Additional care must be taken where workers and construction traffic interface. This should be in the form of flagmen to direct trucks and adequate signage as directed by the Engineer.

A system of recording daily traffic accommodation is to be provided. Photographs are to be taken following the placement of the accommodation to prove compliance. All daily records must be signed by the ER.

It must be noted that further penalties are specified for non-compliances in this PSHSS.

#### C8.1.3 Other Appointments

Other critical appointments, such as the Risk Assessor, Emergency Co-Ordinator, First Aider, Incident Investigator, etc. must be of competent persons. The Client, Engineer and H&S Agent reserve the right to accept or reject any such appointment if the appointee is not considered to be adequate for the post.

#### C8.2 Health and Safety Representatives and Committee

H&S Representatives are to be appointed following the start-up of the project, to be made up from both permanent and Contractors or local labour. Representatives from local labour can be appointed to represent such labour for the duration of the contract. Local labour should not be responsible for H&S duties unless appropriate training has been provided and the H&S Officer deems such labour competent to do so. Development in H&S of such labour would be an advantage to the community and the PC. H&S Representatives are to be actively involved with H&S and serve on the H&S Committee.

The H&S Officer shall ensure there is a H&S Committee made up of active site staff and H&S Representatives, representing each work area, including all Contractors. Meetings will be held at least monthly, and more frequently if so instructed. Key site staff is to be

appointed. Issues arising from the H&S Agent audits are to be discussed, as well as all H&S related issues.

Minutes are to be distributed and discussed among all workers and Contractors and records kept thereof.

Failure to do so will be deemed to be a moderate offence.

### C8.3 Appointment of Competent Contractors

The Principal Contractor is to ensure compliance with the Clients 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 H&S 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 PCs 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 Mandatary (37.2) 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 H&S Officer is to ensure the level of H&S documentation is appropriate:

Mandatary agreements in place

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 of, the activities being stopped and/or penalties implemented.

## C9. GENERAL RISK MANAGEMENT

### C9.1 Health Risks and Medical Surveillance

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

Ergonomic risks are to be noted, especially where there are LI components, and all workers (including those of Contractors) are to be included in the medical surveillance programme.

Workers will be exposed to noise, dust, volatiles and vibration (whole body and upper body) due to the type of plant, materials specified and the general nature of the works. Silica and general environmental monitoring for the general construction, as well as works at borrow pit and the quarry have been allowed for in the BoQ, as well as the allowance for medical surveillance.

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.

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);  
Spirometry (lung function testing);  
Chest X-rays;  
Liver function testing (volatiles), and  
Any other tests identified as relevant

Failure to do so will be considered a serious offence.

#### C9.1.1 Noise Risks

All plant and equipment is to be measured for noise levels as soon as the majority of plant is on site (including Contractors). Findings are to be discussed at the H&S Committee and H&S Representatives and Supervisors are to ensure that noise zones are identified and wearing of PPE in them is enforced. All plant brought in by plant hire companies is to be compliant with the Noise Induced Hearing Loss Regulations.

Audiometric testing of all workers is to be included in the medical surveillance programme. Double audiometric testing at pre-employment and single tests thereafter is required. These should be repeated annually and as part of the exit medical. 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.

Failure to do so will be considered a serious offence.

#### C9.1.2 General Environmental Conditions

Compliance with the Environmental Regulations (as amended), among others is required. Environmental monitoring of ventilation, lighting and dust 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.

Any spillages of substances which could be toxic to persons must be dealt with adequately. The Contractor must include his spillage removal system in the OHS Plan.

#### C9.2 Emergency Procedures

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

##### C9.2.1 First Aiders and First Aid Equipment

Competent, trained First Aiders are to be formally appointed for the project. If the project is in a remote area, at least 3 workers are to be trained to Level 3. In urban areas and close to medical assistance 2 Level 3 first aiders are required. First aiders are to be available at all times and be able to cover each working team. Further first aiders from the community or SMMEs, if not already accredited, are to be sent for accredited first aid training. Contractors are expected to ensure compliance and manage their own first aiders and equipment.

The PC shall provide an on-site First Aid Station with first aid facilities, including first aid boxes containing, at least the requirements to manage the type of emergencies identified. It is suggested that all supervisors carry an appropriately stocked first aid kit in their vehicles at all times.

##### C9.2.2 Fires and Emergency Management

The PC must ensure that any fire risks will be managed appropriately. Trained fire fighters could be appointed at offices or areas where fire risks are deemed high. The emergency plan is to include the risk of fire at site camps, on site and related to any specific activities.

Fire extinguishers will be appropriate for the risk and in sufficient numbers to deal with the type of fires that could occur. Every item of heavy plant, e.g. Graders, TLBs, Rollers etc., must be fitted with an appropriate fire extinguisher.

### C9.2.3 Incident Management and Compensation Claims

The PC will ensure there is a management system to investigate all incidents. All serious incidents involving any form of disabling injury or fatality are to be reported to the Engineer and H&S Agent telephonically immediately. This shall be confirmed in writing as soon as possible after the incident. Full details are to be included in the H&S meetings, and each site meeting. The details are also 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.

### C9.3 Personal Protective Equipment (PPE) and Clothing

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

Hard hats;

Protective footwear;

Reflective bibs or vests and overalls;

Eye and ear protection, and

Any other necessary PPE identified from SDSs or risk assessments.

Adequate quantities of PPE shall be kept on site at all times. 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; this must include the company policy on the issue and replacement of PPE.

Any person found on site without the necessary PPE will be removed from site until the PPE is supplied and worn, and penalties may be issued per non-compliance.

### C9.4 Occupational Health and Safety Signage

On-site H&S signage is required. Signage shall be posted up at the appropriate fixed or temporary working areas, on scaffolding, and other potential risk areas/operations including vehicles. 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 signage is required.

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

'no unauthorised entry';

'report to site office';

'site office';

'beware of overhead work';

'hard hat area' or other PPE requirements noted;

First aid box positions (including vehicles), and

Fire extinguishers

Signs shall be posted permanently or temporarily at areas of work onsite indicating that a construction site is being entered and that persons should take note of safety requirements.

The Contractor shall establish a system for controlling and recording entrance to the Site office and camp area.

#### C9.5 Induction of Employees and Visitors, General H&S Training

A 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 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.

Any person found on site without proof of induction will be removed from site until the proof is supplied and, and penalties may be issued for non-compliance.

#### C9.6 Use of Support Work, Scaffolding and other Temporary Works

Where temporary works are envisaged on the project, these must be properly designed and signed off by a competent person. In these instances a competent person is defined as a Professional Engineer (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. Where the scaffolding, and /or support work is to be supplied and designed by a specialist company, care must be taken to comply with all the requirements of the supplier. Records and registers are to be properly completed and kept in the H&S file.

All formwork must be designed and approved by a competent person.

Failure to do so will be considered a serious offence.

#### C9.7 Testing Laboratory and the use of Radioactive Equipment

A joint laboratory may be required, or a service provider will be appointed for the project. The service provider will be seen as a Contractor, or where appointed as a joint laboratory, as a PC. All the H&S rules and requirements are to be met. Where appointed as a PC, the H&S Agent will be responsible for approving the initial H&S plan and ensuring on-going compliance. All other requirements of the construction PC are to be met. Each PC is to be familiar with the H&S rules of each party. Mandatory agreements, Inductions and Emergency requirements among other are to be addressed and managed to ensure limitation of H&S risks.

The use of radioactive equipment for the measuring of compaction parameters shall conform to the requirements of the "Code of Practice for the safe use of soil moisture and density gauges containing radioactive sources" as published by the Department of Health: Directorate: Radiation Control Soil revised September 2001. Method statements, risk assessments and the appropriate training will be required. Failure to do so will be considered a serious offence.

#### C9.8 Transportation of Workers on Site

Transportation of workers shall comply with the relevant legislative requirements. Vehicles used to transport workers to, from, or on site, shall have secure seats with seat belts and be covered.



The cover shall be securely fixed to the vehicle. No equipment or materials shall be transported in the same vehicle at the same time as workers. Failure to transport workers in a safe manner will be regarded as a serious offence. Tenderers must indicate in their OHS plans what type of transport is envisaged and how this will be managed.

Failure to do so will be considered a serious offence.

#### C9.9 Quarries, Borrow Pits, Crushers, Blasting and Batch Plants

It must be noted that the use of quarries and borrow pits falls under the Mine Health and Safety Act ((290f1966 and its Regulations. Work in these areas must comply with these requirements and separate appointments and CoPs will be required.

Where single or multistage crushers are established on site, for quarries or borrow pits, the requirements of the MH&SA as well as the OH&SA and Regulations shall apply. Dust suppression systems (water or closed systems) and regular monitoring are required. The added requirement of Chest X rays for workers is to be added to pre-employment medicals and repeated 2 yearly thereafter.

The Department of Mineral Resources (DMR), as well as the H&S Agent will carry out audits on this aspect of the project. Non-conformances raised by either party will require closeout within specified time periods negotiated at the time.

Whichever form of batch plant is used, for mixing concrete or slurries for surfacing, guards and protection of nip points, emergency stops etc. are to be appropriately managed by competent supervision. Edge protection, movement of plant and dust management are required.

All blasting must comply with the Explosives Act No. 15 of 2003 and the OHSA and MH&SA or other legislation as applicable. Method statements and risk assessments will be required before blasting will be permitted. The Engineer and H&S Agent will be required to approve the arrangements. Should a blasting Contractor be used, the requirements relating to the management of Contractors shall apply. The requirements listed in the Amendments to the Standard Specification should be referred to.

Failure to do so will be considered a serious offence.

#### C9.10 Management of Plant and Equipment

A substantial amount of large plant and equipment is likely to be used. Close control of the PCs 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 H&S Agent's audit. All daily inspection records are to be kept in the H&S file. Registers are not to be more than 1 week behind. Plant hire or haulage Contractors are to comply with the requirements, and comply with all H&S standards for the project.

Only competent, fit plant operators are to be used. Medical certificates of fitness are required for all operators. Noise levels are to be displayed on plant.

Any plant or slings used to lift plant or material require annual load testing by an AIA. Operators are to be adequately trained and certified to operate cranes. 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 TSO and 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.

#### C9.11 Excavations

Steep slopes require careful management. The Geotechnical report is available and is to be utilised to assess ground conditions. Shoring may be required, where indicated in the Geotechnical report or by the Engineer. The PC is to ensure that the Community Liaison Officer (CLO) and the local community, schools and general public are aware of the dangers of open excavations.

As far as possible water should be kept out of excavations and no work should take place when water is standing in an excavation unless the excavation supervisor has approved such work.

The H&S Officer is to ensure that all Contractors follow the same requirements as they relate to excavations. The Engineer may stop work at any time should the working area be deemed unstable. Method statements are to be approved by the Engineer and risk assessments are required. Workers are to be trained in the risks and protection measures, and the appropriate PPE is to be issued as highlighted in the risk assessments.

A competent person is to be appointed to manage excavations. All equipment and conditions are to be checked daily prior to work commencing. Communal registers for excavations on site are not permitted. Excavations should preferably not be open beyond what can be worked daily. Where excavations need to remain open, all excavations are to be properly protected, candy striped tape is not acceptable. Plastic mesh supported on adequate droppers 1m high should be used (approved by the Engineer). Berms are required to be a safe distance from the edge of the excavation. Stepped excavations are encouraged.

Adequate numbers of ladders are to be available to ensure safe access and egress from excavations. Ladders are required for excavations of greater than 1000mm, and the ladder is to extend at least 1m above the edge of the excavation. No wooden ladders are allowed on site. Registers are to be kept current and placed in the H&S file.

Failure to do so will be considered a serious offence.

#### C9.12 Inclement Weather

High levels of humidity and temperatures during the summer months may be experienced. Workers are at greater risk of heat exhaustion where the discomfort index rises above 100. A weather station has been allowed for to monitor temperature and humidity specifically. Should the discomfort index rise above 105, work may be partially or totally stopped. During winter in areas known for cold weather, notice must be taken of the wind-chill factor. Workers must be supplied with adequate protective clothing and shelters provided as necessary.

Flooding may occur during the rainy season. High winds may be experienced and to limit dust or danger when working at heights, a wind speed should be set at which work may be stopped or the workers in an affected area moved.

The emergency plan is to include how these and other weather extremes identified are to be managed. The general aspects as detailed in the Environmental Regulations will be applied.

All decisions regarding work stoppage will be decided between the PC, the H&S Officer and the Engineer.

Failure to manage specific conditions or address issues timeously will be considered a serious offence.

#### C9.13 Auditing

External auditing by the H&S Agent will be done at least monthly or more frequently if deemed required by the H&S Agent, Client or Engineer. The site will be inspected and the documentation audited relative to the activities and H&S plan. The H&S Officer of the PC must accompany the Client, or the H&S Agent, on all audits and inspections.

The PC will ensure that all their Contractors are audited at least monthly prior to the H&S Agents monthly audits. Audits may be done more frequently where short term contracts are in place, or deemed high risk. Audit results will be acted upon and non-conformances and penalties issued. The Client, Engineer or H&S 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.

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

#### C9.14 Communication on Site

All communication on site will be done through the Engineer to the PC 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.

#### C9.15 Care of Workers on Site (Welfare)

Adequate toilets, clean, safe drinking water and decent shelter will be afforded workers at all times.

Toilets will be within reasonable distance of workers, or placed with each working team in safety, with reasonable privacy. Only bacterial or enzyme based products may be used in portable toilets; the use of products containing formaldehyde is not allowed. The ratio of portable toilets on site will be a minimum of 1:10. Daily cleaning and increased removal of waste may be required if deemed necessary. Proof of safe disposal of waste will be required. Waste Removal Contractors or the PC are to ensure the appropriate H&S systems are available to limit exposure to sewage.

Hand washing facilities will be provided. The Environmental and Facilities Regulations will be adhered to at all times.

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

#### C9.16 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. Penalties may also be applied by the Client, OHS Agent or Engineer.

#### C9.17 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, they should be so placed as to avoid damage especially if they cross portions of the site. 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.

#### C9.18 Traffic Accommodation

Traffic accommodation is covered under section 1500 of the COLTO specifications which form part of this contract and as amended by the requirements listed in the Amendments to the Standard Specification.

#### C9.19 Working Over Water

Where circumstances, such as work on bridges, require that persons are working over water, a suitable fall protection plan must be put in place. A risk analysis of the danger of drowning must be carried out to determine the necessity for the wearing of life jackets and the presence of rescue equipment in case of a fall into the water.

If the river is subject to flash flooding, a suitable warning system must be developed to avoid any person being caught in the flood when working in or near the river.

#### C10. 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):

- The PSHSS;
- The H&S Plan;
- 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.;
- Record of Competencies;
- Training Records.
- Permits;
- Method statements;
- Risk assessments;
- Safe work procedures;

Emergency and injury management;  
SDSs;  
Medical surveillance records;  
Registers, and  
Records of audits, minutes etc.

#### C10.1 Supporting Documentation

The following list is not absolute, and the PC is expected to assess if any further information should be submitted as supporting documentation, as it relates to the H&S plan. The inclusion of other, relevant documents is encouraged.

All documents as required by the Act and Regulations, including (but not limited to):  
Proof of registration with the Compensation Commissioner or FEMA;  
Proposed Organogram;  
Appointments under the Regulations;  
Examples of internal audits;  
Inspection registers of plant and equipment;  
Non-conformance system;  
Information relating to hazardous materials used and stored on site with SDSs;  
All Method Statements, Hazard Identification and Risk Assessments for the project;  
All Health and Safety Plans for the project;  
Examples of minutes of all relevant meetings related to H&S;  
Registers for all plant and equipment  
Incident records, including investigations and results, and  
Medical certificates of fitness and medical surveillance programme.

The H&S File shall closed out following the hand-over of the project. A list will be made available and the contents will be agreed to between the H&S Agent and the PC towards the end of the project.

#### C11. 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.

The following constitute examples of the types of non-conformances that will attract penalties:

Minor Penalty: R50.00 / count	Medium Penalty: R500.00 / count and a non-conformance	Severe Penalty: R5000.00 / count, a non-conformance and / or activity stoppage
Non-use of PPE supplied	Toilets not supplied or regularly serviced Lack of drinking water	Contractors working without Health and Safety Plan approval
Non completion of registers for plant and equipment on site	Contractors not audited	Workers transported in contravention of the OHS plan or legal requirements
Lack of H&S signage at work areas	Working without training or the appropriate H&S Method Statements	Invalid Letters of Good Standing
Tools and equipment identified in poor condition during inspections	Legal non-conformances identified during the previous audit and not addressed within the agreed time frame	Non-compliance with traffic accommodation requirements: layout or physical conditions
	No monthly OHS report at site meeting to report on	Fall protection harness not tied off / not worn
	No certificates of fitness for workers as required	Any breach of legal requirements
	Working without approved Method Statements	

#### C11.1 Failure to Comply with Provisions

Failure or refusal on the part of the contractor 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 or the Client's H&S Agent, shall be sufficient cause for the engineer to apply penalties as follows:

A penalty as shown in the Table above shall be deducted for each and every occurrence of non-compliance with any of the requirements of the PSHSS. In addition a time-related penalty of R500,00 per hour over and above the fixed penalty shall be deducted for non-compliance to rectify any non-conformance within the allowable time after a site instruction to this effect has been given by the ER or Engineer. The site instruction shall state the agreed time, which shall be the time in hours for reinstatement of the defects. Should the Contractor fail to adhere to this instruction, the time-related penalty shall be applied from the time the instruction was given.

#### C12. MEASUREMENT AND PAYMENT

The payment items for Occupational Health & Safety are contained in Schedule C of 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 Part C2.1 of this document.

##### Item and Unit

EB.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

EB.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

- (a) The Principal Contractor has notified the Provincial Director of the Department of Labour in writing of the project, Annexure A to the Regulations.
- (b) The Principal Contractor has made the required initial Appointments of Employees and Contractors.
- (c) The Client has approved the Principal Contractor's project Health and Safety Plan.
- (d) The Principal Contractor has set up his Health and Safety File.

EB.03 Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations (Month (Mth))

Page C3.159

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.

EB.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.

EB.05 Provision of 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 full time basis, his overheads, transport and all others items necessary for the proper carrying out of his duties, which include the induction and training of all persons 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 of time spent on the project.

EB.06 Costs of Medical Certificates and Medical Surveillance (Unit (No))

This item shall cover all costs involved in the obtaining of baseline, periodic (at least annually) and exit medical certification and conducting medical surveillance for all workers and especially operators of Construction vehicles and mobile plant as contemplated in CR 21(d) (ii); Workers at Heights, Regulation 8 (2) (b) of the Construction Regulations and Workers exposed to hazardous chemicals including bituminous fumes under Regulation 7 of the HCSR; for temporary workers and workers exposed to noises at or above the limits given in the Noise-Induced Hearing Loss Regulations, as stipulated above.

Workers in the permanent employ of the Contractor will only be paid for if their certificates require updating. Chest X-rays will be required in the case of workers who may be exposed to high concentrations of dust (silica).

EB.06 a) Initial (baseline) medical examinations, including audiometric and lung function testing.

EB.06 b) Periodic examinations

EB.06 c) Exit examinations

EB.07 Induction Training (Unit (No))



This item shall cover all costs incurred for the health and safety inductions as set out in 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.

EB.08 Environmental Monitoring (Unit (No) of tests)

EB.08 a) Air Quality Monitoring

Payment for this item shall cover all costs incurred in testing and monitoring the environment in respect of general health hazards including the presence of hazardous chemicals, as required by the Construction Regulations and the Mine Health and Safety Act.

EB.08 b) Compliance with Amendment of the Occupational Exposure Control Limit for Silica in Table 1 of the Hazardous Chemical Substances Regulations (February 2010)

EB.08 a) Air sampling in situ (Unit (No))

EB.08 b) Analysing samples (Unit (No))

EB.08 c) Tests on Workers (Unit (No))

The rates for these items shall include for all air monitoring, air sample testing and tests on workers for silica exposure as required by the above amendment. It should be noted that these items must be under the control of an authorised inspection authority which would normally be a registered H&S Hygienist or Occupational Health Practitioner familiar with the Hazardous Chemical Regulations and include for all necessary costs in this regard including travelling to and from site and all required reporting.

EB.09 Establishment of Noise Levels (Unit (No))

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.

EB.10 Payment for Health and Safety Representatives at meetings (Unit Hr)

The rate for this item shall cover the cost to the Contractor of the attendance of Health and Safety representatives at monthly meetings and shall compensate the Contractor for loss of productive time at these meetings

EB.11 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.

EB.12 Transportation of Workers (Lump Sum)

The Lump Sum tendered under this Item shall cover all costs involved in the safe transportation of workers as outlined above. Payment will be made in equal amounts for the duration of the contract.

EB.13 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

Notwithstanding any statements in section 1300 of the COLTO Specifications, should the Certificate of Practical Completion be issued after the Contractual Completion date no payment will be made under items C.02 and C.03 for the period between the Contractual Completion date and the date of issue of the Certificate of Practical Completion. This, however does not relieve the Principal Contractor of any of his legal responsibilities for Occupational Health and Safety in terms of the Act and Regulations

## ANNEXURE A

### RECORDS TO BE KEPT ON SITE

ITEM	CR	RECORD TO BE KEPT	RESPONSIBLE PERSON
1.	3(3)	Notification to Provincial Director – Annexure A Available on site	Principal Contractor
2.	4(3)	Copy of Principal Contractor's Health & Safety Plan Available on request	Client (Consultant)
3	4.(g)	A Valid Letter on Good Standing in respect of Workman's Compensation	Principal Contractor
4	5(6)	Copy of Principal Contractor's Health & Safety Plan As well as each Contractor's Health & Safety Plan Available on request	Principal Contractor
5	5(7)	Health & Safety File opened and kept on site (including all documentation-required in respect of the OHSA & Regulations. Available on request	Principal Contractor
6.	5(8)	Consolidated Health & Safety File handed to Client on completion of Construction work. To include all documentation required by the OHSA & Regulations.	Principal Contractor
7.	5(9)	Comprehensive and Updated List of all Contractors on site, the agreements between the parties and the work being done.	Principal Contractor
8.	6(7)	Keep record on the Health & Safety File of the input by Construction Health and Safety Officer [CR 6 (6)]	Principal Contractor
9.	7(2)	Risk Assessments, kept up to date and available on site for inspection	Principal Contractor
10.	7(9)	Proof of Health & Safety Induction Training	Every Employee on site
11.	8(3)	Construction Supervisor [CR 6 (1)] has latest updated version of Fall Protection Plan [CR 8 (1)]	Principal Contractor
12.	9(2)(b)	Inform Principal Contractor in writing of dangers and hazards relating to construction work	Designer of Structure
C.	9(3)	All drawings pertaining to the design of structure On site available for inspection	Principal Contractor
14.	9(4)	Record of inspection of the structure [First 2 years – once every 6 months, thereafter yearly]	Owner of Structure
15.	9(5)	Maintenance records – safety of structure Available on request	Owner of Structure

16.	10(1)(d)	Drawings pertaining to the design of formwork structure. Kept on site, available on request	Principal Contractor
17.	11(3)(h)	Record of excavation inspection On site available on request	Principal Contractor
18.	15(11)	Suspended Platform inspection and performance test records. Kept on site available on request	Principal Contractor
19.	17(8)(c)	Material Hoist daily inspection entered and signed in record book kept on the premises	Principal Contractor
20.	17(8)(d)	Maintenance records for Material Hoist Available on site	Principal Contractor
21.	18(9)	Records of Batch Plant maintenance and repairs On site available for inspection	Principal Contractor
22.	19(2)(g)(ii)	Issuing and collection of cartridges and nails or studs (Explosive Powered Tools) recorded in register – recipient signed for receipt as well as return	Principal Contractor
23.	21(1)(d)	Findings of daily inspections (prior to use) of Construction Vehicles and Mobile Plant	Principal Contractor
24.	22(d)	Record of temporary electrical installation inspections [once a week] and electrical machinery [daily before use] in a register and kept on site	Principal Contractor
25.		Copies of all appointments made in regard to safety supervisors and inspectors	Principal Contractor
26.		Record of safety inspections on equipment using radioactive materials.	Principal Contractor
27.		Any other records as required by the Client or his OHS Agent	

ANNEXURE B

PROVINCE OF THE EASTERN CAPE  
DEPARTMENT OF TRANSPORT

HEALTH AND SAFETY (H&S) PRE-TENDER REPORT

Tenderers are required to submit a pre-tender H&S plan with their Tender submission.

The following requirements were set in the tender documentation and have been utilized to assess the completeness of the documentation presented with the submission of tenders. These requirements fulfil the requirements of the Client in terms of the Construction Regulations, Regulation 4(4). They are to be read in addition to the Act and Regulations but are not a substitute for them.

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.:

Scoring as follows:

Not supplied or not adequate	0
Supplied and complete	1

If the tenderer has not completed any projects then Items 4 and 5 need not be supplied. A letter to this effect must be attached.

PROVINCE OF THE EASTERN CAPE  
DEPARTMENT OF TRANSPORT  
TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

Tenderers are required to achieve a minimum of 10 out of a total of 17 for their tenders to be considered.

Legal or Specification Reference (Construction Regulations - CRs)	Pre-Tender Requirement H&S	Tenderers Response	Max Score	Actual Score
CRs 5.1	A project specific H&S Plan in line with this project specification which will support the CRs, therefore the information submitted needs to be complete and as close as possible to the final product. See check sheet		1	
CRs 4.(h)	Adequate pricing for H&S is also 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.		1	
CRs 4.4	A declaration to the effect that he has the competence and necessary resources to carry out the work safely in compliance with the Construction Regulations 1003;		1	
	At least one copy of minutes of previous Occupational Health and Safety Committee meetings; Incident Investigation Reports for other projects of a similar nature undertaken by the tenderer		1	
			1	
CRs 7.1	Detailed technical method statements for approval by the ER and for approval by the H&S Agent: Site establishment; Clearing and grubbing; Construction of offices and accommodation, and Proposed site layouts		1 1 1 1	
CR 7.1	Appropriate safe work procedures: Site establishment; Clearing and grubbing; Construction of offices and accommodation, and		1 1 1	

Proposed site layouts	1
<b>FINAL SCORE</b>	<b>17</b>

## ANNEXURE C

### TENDER STAGE OCCUPATIONAL HEALTH AND SAFETY PLAN EVALUATION

Tenderers will be scored on their response to various facets of the Health and Safety Specification in the Tender Document.

Failure to achieve a score of 60 % will render the tender non-responsive.

Proof of the evaluation must be given under the remarks column.

1	General Scoring	Is the Specification Project Specific? If not then the score is	0
		Response present and satisfactory	1
		Not present	0

OHS Act / Regulation	Specification Section	Description	Max Score	Score
6.2	7.1	Construction supervisor	1	
6.6	7.1.2	Construction H&S Officer	1	
	7.1.3 (spec sect 1500)	Traffic Safety Officer	1	
	5.1	Health Risks and Medical Surveillance		
NIHLR	5.1.1	Noise Risks	1	
	5.2	Emergency Procedures		
GSR 3	5.2.1	First Aiders and First Aid Equipment	1	
CR 27	5.2.2	Fires and Emergency Management	1	
GAR	5.2.3	Incident Management and Compensation Claims	1	
GSR 2	5.3	Personal Protective Equipment (PPE) and clothing	1	
GSR 2B	5.4	Occupational Health and Safety Signage	1	
CR 7 (8;9)	5.5	Induction of Employees and Visitors, General H&S Training	1	
CR 21	5.6	Management of plant and equipment	1	
CR11	5.7	Excavations	1	
CR 8	5.8	Working at Heights	1	
CR 8	5.8.1	Fall protection plan	1	
DMR 11/CR 20	5.9	Cranes and lifting equipment	1	
DMR 11	5.9.1	Tower cranes	1	
CR 10	5.10	Temporary works	1	

CR 18	5.13	Batch Plans	1	
CR4(1)(d)	5.15	Auditing	1	
	5.16	Communication on Site	1	
CR 28 Facilities Regs.	5.17	Care of Workers on Site (Welfare)	1	

	Additional Requirement s			
		Organogram	1	
	1.3	Declaration of competency	1	
CR 7 (1)		Method Statements (SWPs)		
		a) Site Establishment	1	
		b) Clearing and Grubbing	1	
		c) Excavations	1	
CR4.1 (h)		Has pricing for OHS been allowed for?	1	
		TOTAL SCORE	28	0
		TOTAL PERCENTAGE		0.00

## ANNEXURE D

### NOTIFICATION OF CONSTRUCTION WORK (ANNEXURE A)

#### Regulation 3 of the Construction Regulations, 2003

1. (a) Name and postal address of principal Contractor:  
  
(b) Name and telephone number of principal Contractor's contact person:
2. Principal Contractor's compensation registration number:
3. (a) Name and postal address of Client:  
  
(b) Name and telephone number of Client's contact person or agent:
4. (a) Name and postal address of designer(s) for the project:  
  
(b) Name and telephone number of designer's contact person:
5. Name and telephone number of principal Contractor's construction supervisor on site appointed in terms of regulations 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 LOCAL OFFICE OF THE DEPARTMENT OF LABOUR WHERE THE PROJECT WILL TAKE PLACE, 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.  
A LETTER OF CONFIRMATION IS TO BE KEPT IN THE OHS FILE

ANNEXURE E

AGREEMENT IN TERMS SECTION 37.2 OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 1993  
(ACT NO. 85 OF 1993, AS UPDATED IN GOVERNMENT GAZETTE 7721 OF 18 JULY 2003)

THIS AGREEMENT is made  
at;.....,

on this the, ..... day of ....., in the year  
.....

between

\_\_\_\_\_

(hereinafter called "the Client") of the one part, herein represented by;

..... in his capacity

as.....

and delegate of the Client in terms of the Client's standard powers of delegation pursuant to the provisions of Act No 7 of 1998.

and

\_\_\_\_\_



(hereinafter called "the Mandatory") of the other part, herein represented by

.....in his capacity as  
.....

and being duly authorised by virtue of a resolution appended hereto as Annexure A.

WHEREAS the Client is desirous that certain works be constructed, viz  
CONTRACT NO: ....., and  
has accepted a tender by the Mandatory for the construction, completion & maintenance of  
such works and whereas the Client and the Mandatory have agreed to certain arrangements  
and procedures to be followed in order to ensure compliance by the Mandatory with the  
provisions of the Occupational Health and Safety Act 1993 (Act 85 of 1993 as updated);

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

1 The Mandatory shall execute the work in accordance with the contract documents  
pertaining to this contract;

2 This Agreement shall hold good from its commencement date, which shall be the  
date determined in terms of the Form of Offer and Acceptance, or other date decided upon,  
in the Contract Data, to either;

a) The date of the final certificate issued or as contained in this Volume  
..... of the contract documents pertaining to this Contract, or

b) The date of termination of the Contract;

3 The Mandatory declares to be conversant with the following:

All the requirements, regulations and standards of the Occupational Health and Safety Act  
(Act 85 of 1993 as updated), hereinafter referred to as "The Act", together with its  
amendments and with special reference to the following Sections of The Act.

Section 8: General duties of clients to their employees;

Section 9: General duties of clients and self-employed persons to persons other than  
employees;

Section 10: General duties of manufacturers and others regarding articles and  
substances for use at work;

Section 37: Acts or omissions by employees or Mandatories, and

Sub-section 37(2) relating to the purpose and meaning of this Agreement.

c) The Contractor shall ensure that he familiarises himself with the requirements of  
the Company's health and safety specification developed for the project, and that  
he, his employees and any other Contractor s employed during the project comply  
with them. The Contractor shall ensure that all health and safety documentation  
required by with the Company's health and safety plan is maintained for the  
duration of the project.

4 In addition to the requirements of conditions of contract (as amended by the Contract Data of the contract documents pertaining to this Contract), the Mandatory agrees to execute all the works forming part of this Contract and to operate and utilize all machinery, plant and equipment in accordance with The Act.

The Mandatory is responsible for the compliance with the Act by all his Contractors, whether or not selected and/or approved by the Client.

The Mandatory warrants that all his own and his Contractors' workmen are covered in terms of the Compensation for Occupational Injuries and Diseases Act 1993 as amended, which cover shall remain in force whilst any such workmen are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Client upon signature of the agreement.

The Mandatory undertakes to ensure that he and/or subcontractors and/or their respective clients will at all times comply with the following conditions:

The Mandatory shall assume the responsibility in terms of Section 16.1 of the Occupational Health and Safety Act. The mandatory shall not delegate any duty in terms of Section 16.2 of this Act without the prior written approval of the Client. If the mandatory obtains such approval and delegates any duty in terms of section 16.2 a copy of such written delegation shall immediately be forwarded to the Client.

All incidents referred to in the Occupational Health and Safety Act shall be reported by the Mandatory to the Department of Labour as well as to the Client. The Client must further be provided with copies of all written documentation relating to any incident.

The Client hereby obtains an interest in the issue of any formal enquiry conducted in terms of section 32 of the Occupational Health and Safety Act into any incident involving the Mandatory and/or his employees and/or his Contractors.

The Mandatory shall conduct such risk assessments, method statements and safe work practices as may be necessary during the course of the contract and shall ensure that all staff are informed of these. Proof of this shall be placed in the project Health and Safety file.

Adherence to the Contractor's Health and Safety plan must be enforced including the application of penalties for non-conformance as set out in the Client's Health and Safety Specification.

In witness thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

PROVINCE OF THE EASTERN CAPE  
DEPARTMENT OF TRANSPORT  
TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

SIGNED FOR AND ON BEHALF OF THE  
CLIENT:.....

WITNESS:

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

NAME (IN CAPITALS)

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

Date .....

SIGNED FOR AND ON BEHALF OF THE MANDATORY:.....

WITNESS:

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

NAME (IN CAPITALS)

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

Date .....

PROVINCE OF THE EASTERN CAPE  
DEPARTMENT OF TRANSPORT  
TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

ANNEXURE F

LEGAL REQUIREMENT AND REGISTER AUDIT									
ITEM	LEGAL REF	REF TO SPEC.	RECORDS TO BE KEPT	SCORE	FINDINGS FROM LEGAL AND PHYSICAL INSPECTIONS	ACTION BY	START DATE	CLOSE OUT DATE	REQUIRED ACTIONS/ COMMENTS
1			Updated project H&S Organogram						
2	OHSA SPEC.	8.1	16.1						
			16.2						
3	16 (1) and (2)		CV of 16.1						
			CV of 16.2						
4	CR 6 (1) and (2)		Designation of Construction Supervisor(s) and Subordinate Person(s)						
			CR 6.1						
			CR 6.2						
			CV's on file						
5	OHSA S. 17; GAR 7	8.2	H&S Representatives appointed						
			Monthly inspections completed						
			Representation						

			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. 9CMU19-23/24-0029						
			from Contractors H&S Committee appointed						
	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS								
6	OHSA S. 18; GAR 5	8.2	Minutes on file						
			H&S representatives reports discussed						
			Incidents discussed						
			Signed by Chair/CEO						
			Evidence of minutes noted						
7	GAR 4		Copy of OH&S Act (Act 85 of 1993)						
			Available on site.						
			Posters displayed						
			Copy of Contract document available on site.						
8	CR 4 (c), 5 (f)	5	Written proof of registration / Letters of good standing available on Site List of PC and Contractors on site						

9	OHSA S.37.2	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 Copy of the Mandatory (S37(2)) agreement between the PC and Client						
10	OHSA S.37.2		Mandatory agreements between PC and Co-Contractors						
11	CR 3(3)	7	Notification to Provincial Director – Annexure A. Copy available on site  Reply from DoL						
12	CR 4(3)	6	Copy of Principal Contractor's Health & Safety Plan Available on request.  Letter of approval from Agent.						
13	CR 5.(6) 5 (7)		Health & Safety File opened and kept on site (including all documentation-required in respect of the OHSA &						

			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029						
EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS			Regulations						
			Available at all times						
14	CR 5(6) (9)	8.3	Copy of Principal Contractor's Health & Safety Plan provided to Contractors						
15	CR 5.12	8.3	Letters of approval for each contractor on file						
			List of Contractors on site						
16		5.1	Copies of Technical Method Statements approved by RE (GCC 12.3.1)						
			Register available, signed by RE						
17	CR 6.6 CR 6.8	8.1.2	H&S officer appointed and approved.						
			Traffic Safety Officer appointed and approved						

			CV's available						
18	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES	9.2.1	PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT Tender No/SCMU10-23/24-0029 ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS First tender appointed and approved.						
			Certificates available						
19	CR 7(2) OHSA 14 CR 7(4)	5.1	Risk Assessments: Up to date and available on site for inspection Review and monitoring programme adhered to (All RAs to be listed) Carrying Passengers on vehicles Excavations (manual and machinery) Fuel supply Material handling and storage Moving of Construction Vehicle Operating of Front End Loader Safe use of hand tools						



	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES		Signs to control traffic						
			Site Establishment						
			Traffic accommodation						
		9.5	Workers trained in risk assessments						
20	CR 7.1 (c)	5.1	Safe Work Procedures						
			List of available SWPs						
		9.5	Workers trained in SWPs						
			Proof of training verified						
21	OHSA SECT. 13 CR 7(9)	9.5	Induction programme available						
			Proof of induction training available						
22	CR 8		Fall Protection:						
			Appointment of Competent person						
			CV on file						
			Included in Risk Assessment						
			Addressed in emergency plan						
			Other site inspection						

			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 findings Registers available EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS						
23	CR 9(2)(b) (3)		Structural Information from Designer:						
			Geo-science technical report						
			Design loading of the structure						
			Methods & sequence of construction						
			Design risk assessment						
			Addenda H&S Specification						
24	CR 10(1)(d)	9.6	Support Work and Formwork:						
			Competent persons appointed						
			CVs available						
			Design						
			Erection, maintenance, use and dismantling						
			Design drawings						

			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 available on site Risk Assessment included Registers in line with support work and formwork noted in site inspection						
25	CR 11(3)(h)	9.11	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS Excavations: Competent persons appointed CVs available Depth of excavations on site Shoring in use Registers in line with open excavations noted at site inspection						
26	CR 11 (f) GSR 13A	9.11	Ladders: Competent person appointed Registers kept Registers for ladders noted on site						

27	ER 10 CR 12	9.9	PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS						
			Blasting.						
			Competent person/s Appointed in writing for Demolition work						
			CV on file						
			Site Risk Assessment carried out						
			Method Statement available						
			Compliance with Explosive Regulations						
			Pre-shift Inspection register kept						
Quarry permit in place									
28	CR 15(11)		Suspended Platforms:						
			Competent person appointed						
			CV on file						
			Suspended Platform inspection and performance test records						
Registers for platforms noted on site									

29	CR 17(8)(c) (d)	EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 Material Hoist Competent person appointed CV on file						
			Maintenance records available						
			Daily inspection register						
30	CR 18(9)		Batch Plant:						
			Appointment of Competent person						
			Registers for maintenance, cleaning and repairs						
			Risk Assessment carried out						
			Batch Plant to be inspected weekly by a competent person.						
			Inspections register available						
31	CR 21		Construction Vehicles:						
			Appointment of competent operators						
			Identity Document						
			Competency						

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS			PROVINCE OF THE EASTERN CAPE Certificate						
			DEPARTMENT OF TRANSPORT Drivers Licence						
			TENDER NO. SCMU10-23/24-0029 PDP						
			Medical Certificate						
			Plant and machine lists available						
			Inadequacies noted on site						
			Registers on file noting daily inspections						
9.8	Transportation of workers								
32	CR 22		Temporary Electrical Installations:						
			Appointment of competent person						
			CV on file						
			Services identified and protected						
			Certificates of Compliance for installations						
			Daily electrical machinery register						
			Quarterly inspections						

33	DMR 18 CR 20	RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 <b>Cranes and Lifting Equipment</b> <b>Competent person appointed</b>						
			CV on file						
			Identity Document						
			Competency certificate						
			Drivers licence						
			PrDP						
			Medical certificate						
			Cranes & Lifting tackle identified/numbered on Register						
			Log Book kept for each individual Crane						
			Inspection:						
			- All cranes - daily by operator						
			- 6 monthly						
			- Other cranes - annually by comp. person						
			- Lifting tackle(slings/ropes/chain slings etc.) - 3 monthly						
			Risk Assessment carried out						

			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS Driven Machinery compliance re excavators and TLBs being used						
34	CR 25		Stacking & Storage Supervisor:						
			Appointed per work area						
			CVs Available						
			Include site conditions						
			Spoil areas Register available per area						
35	Dept Health Code of Practice	9.7	Use of Radioactive Equipment						
			Competent operator with certificate						
			Regular leak and other testing						
			Proper storage and signage						
			Register available						
36	GSR 2		PPE:						
			Included in Risk Assessment						
			PPE used and						



			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 enforced Training to use (Induction) EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS Records of Issue kept Registers for condition checks						
37	GSR 9 PER		Welding/Flame Cutting Equipment Competent Person(s) appointed CVs available Equipment identified/number ed and entered into a register Gas cylinders and store inspected and safe Types of welding on site (List) Equipment inspected monthly and register available						
38	RHCSs CR 7, 23		Hazardous Chemical Use and Storage						

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029 Competent Person/s appointed CVs available						
			Risk Assessments include use of HCSs						
			Register of HCS kept/used on Site						
			Flammable Store						
			Bulk fuel storage						
			Safety Data Sheets on file and utilised						
			Permit to store fuel in place						
39	PER		Pressure Equipment (PEs):						
			Competent person appointed						
			Fire Extinguishers inspected and up to date						
			Inspection Registers						
40	GSR 3	9.2.1	Emergency Management:						
			First aiders available through project						
			Level 3						
			Check First aid						

			PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029						
		EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	boxes) First aid boxes through site Registers available (noted on site)						
41	GAR	9.2	Incident Management:						
			Emergency co-ordinator appointed						
			CV available						
			Emergency plan appropriate						
			Emergency level included in Risk Assessments						
			Workers trained						
			Incident reports available and complete						
			Incident Investigator						
42	MHSA	9.9	Crushing Plant/Quarry						
			Competent person appointed (3.1)						
			Written Proof of Competence of above appointee available on Site including CV						

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES			PROVINCE OF THE EASTERN CAPE REPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029						
			Risk Assessment carried out						
			Method statements						
			Lock out system						
			Electrical certificate.						
			Machinery checked and register kept						
			All permits up to date						
43	MHSA (R3)	9.9	Borrow Pits						
			Competent person appointed (3.1)						
			CVs on file						
			COPs on file						
			Risk Assessment carried out						
			Method statements						
44	MHSA		Codes of Practice						
			Approval by DME						
45	DMR 2		Revolving						

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES			<small>PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMU10-23/24-0029</small> <b>Machinery</b> <b>Exposed revolving parts to be countersunk, enclosed or guarded</b>						
			Projecting shaft or spindle end be guarded by a cap or shroud						
			Stop/start controls						
			Controls appropriate						
			Emergency stops/system						
46	CRs RHCS's MHSA	8.1	Medical Surveillance Programme						
			Pre-placement						
			Periodic						
			Exit						
			Workers at height						
			Plant operators						
			DME Annual Medical report						
47	CR 21	Sect. 1500 Main Spec 8.1.3 SARTSM Chap. 13 Vol. 2	Traffic Accommodation						
			Competent person appointed						
			CVs available						
			Traffic plan according to SARTSM						

		EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS	Ch:13V01.2	PROVINCE OF THE EASTERN CAPE				
			Risk Assessments include traffic risks	DEPARTMENT OF TRANSPORT				
			Changes and registers signed by RE	TENDER NO. SCMU10-23/24-0029				
			Visual check on Traffic Control					
			Inspection Registers kept					
48	CR 28		Welfare Facilities:					
			Toilets available where crews are working/clean					
			Clean potable water available					
49		See Main Spec	HIV and AIDS programme					
50	NIHLR	9.1.1	Noise Risks					
			Noise Zones established					
			Hearing PPE supplied					
			Audiometric testing done					
			Records Kept					

RESPONSIBILITY		DATE
OHS AGENT SIGNATURE		DATE
PC SIGNATURE		DATE

PROVINCE OF THE EASTERN CAPE  
DEPARTMENT OF TRANSPORT  
TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

ENGINEER SIGNATURE		DATE
CLIENT SIGNATURE		DATE

ANNEXURE G			
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):			
1		2	
3		4	
OTHER:			
The following penalties are to be applied:			
Signature of RE			
Signature of H&S Officer/Site Agent			
Signature: of H&S Agent			
CLOSE OUT OF NON- CONFORMANCE			
VERIFIED BY AGENT	COMMENTS ON WHAT WAS DONE (ATTACH PROOF IF AVAILABLE)	DATE COMPLETED	
PHOTOGRAPHIC EVIDENCE, OR LIST OF ANNEXURE TO PROVE CLOSURE			
SIGNATURE OF H&S OFFICER OR SITE AGENT			
SIGNATURE OF ER			

NTHS



## ANNEXURE H

### 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:

- Client H&S Specification
- Principal Contractor's OHS Plan(s)
- Organograms
- Legal Appointments
- Notification to Department of Labour of commencement of work
- Letters of Good Standing for the Project
- Full files for all Contractors as well as their close out reports
- List of Contractors
- Letters of Approval of Contractors
- Mandatory Agreements
- Letters of Good Standing
- Appointments
- Incident Records
- Non- Conformance records
- Agent's Audits
- Method Statements
- Risk assessments
- Safe work procedures
- Medical surveillance certificates of fitness. Medical records are to be kept according to the OH&S Act as amended.
- All drawings for temporary structures (suspended beams/scaffolds etc)
- 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 OH&S Agent prior to any work commencing.

A copy of the as-built Drawings is to be placed on file by the Designers once complete.

PROVINCE OF THE EASTERN CAPE

DEPARTMENT OF TRANSPORT

TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

DESIGN HAZARD IDENTIFICATION AND RISK ASSESSMENT

DEPARTMENT OF TRANSPORT  
TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

Low	Med	High
1	4	12
2	6	18
3	8	27

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

GAR GSR SANS SABS NIHL OHS Act	General Administration Regulations General Safety Regulations South African National Standards South African Bureau of Standards Noise Induced Hearing Loss Occupational Health and Safety Act and Regulations 85 of 1993	GMR SWP MS HCS PrDP	General Machinery Regulations Safe Work Procedures Method Statements Hazardous Chemical Substances Professional Driving Permit
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PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCM/HA 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
COLTO SERIES GENERAL REQUIREMENTS AND PROVISIONS												
1202	Services Eskom, Telkom lines, underground water, and sewage. Telkom and Eskom will remove own services where required.	Yes	PC will expose and protect services. May be illegal connections Asbestos pipes	2	2	2	8	Competent supervision and adequate pre-task training will be required Removal of asbestos pipe to be according to the Asbestos Regulations All excavations open longer than 1 shift are to be demarcated with netting or similar, at least 1m from the edge of the excavation. MS and SWP are required for the exposure of services, and are to be approved by the ER prior to commencing the activity	2	2	1	4
1219	Water	Yes	All water will be treated as contaminated and maybe unfit for human consumption Potable water is available in the towns and rural water schemes are	3	2	2	12	Treatment of contaminated water will be required; water testing will take place regularly. Tankers of water may be required to be brought in from other sources	3	2	1	6

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
			available for use. Alternate water sources/supplies will have to be approved by DWA									
1302	Construction plant workshops and camps to be established and maintained by the contractor for the duration of the contract	Yes	A number of camps may be established and maintained for various activities to construct what is required to undertake the works	2	3	3	18	The PC will be required to submit with his pre-tender H&S plan the method statements, risk assessments and supporting documentation to ensure overall activities are managed.	2	3	2	12
1402	Offices and Laboratories	Yes	Offices required for staff and a Laboratory for onsite testing	2	3	3	18	All buildings to be to SANS requirements and according to specifications in the tender document	2	3	2	12
1403	Housing	Yes	Housing for the engineers employees who operate the laboratory	2	3	3	18	All buildings to be to SANS requirements and according to specifications in the tender document	2	3	1	6

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
1404	Electricity, Telkom, Water, Sewerage, Gas and Sanitation	Yes	Depends on the site chosen by the PC. May be septic tanks and or French drainage system. Temporary chemical toilets for use by workers Local or imported water supply, ESKOM, Telkom and gas supply River water is to be treated as contaminated, and workers may well be exposed when working around bridges and culverts	2	3	2	12	The ECO to provide the requirements relative to sanitary requirements on site. The PC will be required to submit with his pre-tender H&S plan the method statements, risk assessments and other supporting documentation to ensure start up activities are adequately managed. Please ensure adequate servicing of portable toilets in the very hot months, as the chemicals deteriorate more rapidly. Formaldehyde is used in the portable toilets	2	3	1	6
1502(a)	Traffic Safety	Yes	The whole site will require traffic accommodation All deviations and Stop/Go controls to be conspicuously sign posted There will be public and construction traffic on the	3	3	3	27	Construction drawings to be provided, all accommodation in line with SARTSM Ch 13 Vol 2. Method statements and risk assessments to	3	3	2	18

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
			road during construction					reflect management of same. Dedicated Traffic Safety Officer is to be employed to control these requirements				
1502(b)(f)	Temporary deviations	Yes	All deviations and temporary by-passes are to be approved by the RE	3	3	3	27	Construction drawings to be provided, all accommodation in line with SARTSM Ch 13 Vol 2. Method statements and risk assessments to reflect management of same.	3	2	1	6
1502(e)(h)	Are there specific concerns regarding public access?	Yes	Taxi /Bus stops and access to private property will be affected	3	3	3	27	Construction drawings to be provided, all accommodation in line with SARTSM Ch 13 Vol 2. Method statements and risk assessments to reflect management of same. Allowance will be made for access to private property	3	3	2	18

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
1502(i)	Traffic Safety Officer (TSO) will be appointed?	Yes	A team with at least 1 TSO to manage the traffic safety on site	3	3	3	27	Adequate competent TSO's to be appointed. TSO shall not be H&S Officer	3	3	2	18
1503(a)	Construction will be under traffic?	Yes	Construction in half widths and single lane closures will be used for the project (24 hr) Stop/Go required	3	3	3	27	Traffic safety teams to maintain 24 hour closures, construction drawings to be provided, all accommodation in line with SARTSM Ch 13 Vol 2. Stop/Go controllers are not to exceed specified shift hours	3	3	2	18
1503(b)	Erection of signage	Yes	Digging of holes and mounting of signs on poles, planting of poles, use of lifting equipment	3	3	3	27	PPE, Method Statement, Training, Lifting equipment to be certified as per DMR and other requirements of the OHS Act	3	3	2	18
1511	Dust from vehicles on the road	Yes	Dust suppression to be carried out in built areas and where employees are working and to improve driving visibility	3	3	3	27	Water tankers to spray roads as and when required	3	3	2	18



PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMLH0 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLAT ION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
1700	Clearing and Grubbing	Yes	All Material to be stock piled for further use. Conservation of top soil	3	3	3	27	Permission from the engineer for the disposal of materials Method Statements and Environmental approval	3	3	2	18
COLTO SERIES 2000												
2100	Drains	Yes	Open earth drains, Banks and dykes and sub-soil drains	2	2	2	8	Trenches kept to a minimum depth/ Excavations checked on a daily basis by competent person Method Statements, Risk Assessments, PPE	2	2	1	4
2200	Prefabricated culverts	Yes	Where in-situ casting is not preferred	2	2	2	8	Prefabricated culverts are to be to design specification. PPE, moving of castings with lifting equipment, Method Statement and Risk Assessment	2	2	1	4
2300	Concrete kerbing, concrete channelling, chutes and down pipes and concrete linings for	Yes	Pre-cast kerbs, in-situ concrete pavement construction in rural areas	2	2	2	8	Trenches kept to a minimum depth/ Excavations checked on a daily basis by competent	2	2	1	4

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
	open drains							person Method Statements and SWP				
COLTO SERIES 3000												
3100	Borrow Pits	Yes	Borrow pits will be spread to cover most of the site.	3	3	2	18	All borrow pits are to be fenced and only authorised personnel granted access. Method StatementsAll operators to be competent in their specific operationsRehabilitation of borrow pits	3	3	1	9
3200	Stock piling	Yes	Stock piling will take place at the different sites along the route	3	3	2	18	Permission from the engineer for the disposal of materials All stock pile areas are to be fenced and are to comply with the relevant safety regulations	3	3	1	9
3300	Haulage of material in tipper trucks	Yes	Material will be hauled on the entire project from a commercial source and borrow pits	3	3	2	18	Dust management, suppression, daily registers and competent operators Method statements and	3	3	1	9

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
								SWP required				
3400	Pavements	Yes	Excavation, compaction and placement of pavement	3	2	2	12	Alternative safe pedestrian passage is required where pavements are under construction Method statements and SWP required	3	2	1	6
3500	Stabilization	Yes	Use of chemicals to be in line with safety regulations and MSDS's	2	3	3	18	PPE, MSDS, Method statements and SWP required	2	3	2	12
3600	Crushed stone base	Yes	Transportation and storage on site Hauled from commercial source and stock piles	3	2	2	12	Method statements and SWP required	3	2	1	6
COLTO SERIES 4000												
COLTO SERIES 5000												
5100	Stonework	Yes	Transportation of material to site. Manual labour. Vehicle traffic	3	3	3	27	Method statements and SWP required PPE, DD Green gloves	3	3	2	18
5200	Gabions	Yes	Transportation of material to site. Manual labour. Vehicle traffic	3	3	3	27	Method statements and SWP required PPE, DD Green gloves	3	3	2	18

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
5400	Guardrails	Yes	Working on roadway while open to the traffic. PPE required and traffic control Steep drop offs	3	3	3	27	Method statements and SWP required Workers are to be issued with DD Green gloves, PPE,	3	3	2	18
5600/5700	Road signs & markings	Yes	Manual labour on roadway while open to traffic Use of crane truck - Use of ladders	3	3	3	27	Competent contractor should be employed for this task Inspections of equipment and inspector of equipment to be appointed Load test of equipment required Approved traffic control and daily plans	3	3	2	18
5800	Landscaping	Yes	Use of chemicals and manual labour Poisons, Phosphates and Herbicides	3	3	3	27	Method statements and SWP required MSDS's, PPE and training	3	3	2	18
<b>COLTO SERIES 6000</b>												
6100	Foundations	Yes	Transportation of material to site Excavations, Structures and culverts	3	3	3	27	Method Statements, SWP Operators to be competent	3	3	2	18

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
6200	Formwork	Yes	Manual construction of formwork Shutter oil Manual labour	2	3	2	12	All formwork to be inspected and certified Method Statements, SWP, Training and MSDS's	2	3	2	12
6300	Steel reinforcement	Yes	Steel fixing	3	3	3	27	Training, Method statements, medical surveillance and working at height	3	3	2	18
6400	Concrete	Yes	Precast lintels, beams and culverts Batch plant and pouring	3	3	3	27	Mixing and Transportation is to be conducted with compliance to all safety and road regulations All operators to be competent in their specific operations	3	3	2	18
	Demolitions	Yes	Demolish existing concrete culverts and bridges	3	3	3	27	SWP and Method statements are to be submitted before demolition is started Competent personnel, PPE, Correct disposal of rubble	3	3	1	9
6600	Bearings and Joints	Yes	Bridges will have bearings and joints	3	3	3	27	Method Statements, SWP, PPE, Specialised	3	3	2	18

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLAT ION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
								personnel				
<b>COLTO SERIES 7000</b>												
7100	Concrete Pavements	Yes	Excavations, compacting and pouring of concrete	3	3	3	27	Method Statements, SWP, PPE, Specialised personnel	3	3	1	9
7200	Reinforced earth	Yes	Retainer walls and Gabions	3	3	3	27	To be to engineers design. Checked on a regular basis	3	3	2	18
7400	Earth retaining systems	Yes	Retainer walls and Gabions	3	3	3	27	To be to engineers design. Checked on a regular basis	3	3	2	18
F1200	Concrete extensions	Yes	Some bridges and culverts will be widened	3	3	3	27	To be to engineers design. Checked on a regular basis	3	3	2	18
<b>OHS SPECIFICATIONS</b>												
OHS Specificati on	Drilling	Yes	Holes for blasting will take place as follows; Borrow Pits and Road, Method Statements	3	3	3	27	Use of competent blasting and drilling company, Method Statements, PPE, Risk Assessments, SANS Codes	3	3	2	18
OHS Specificati on	Preparation of blast areas	Yes	Preparation as per Method Statements	3	3	3	27	Use of competent blasting and drilling company, Method Statements, PPE, Risk	3	3	2	18

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCML10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
								Assessments, SANS Codes				
	Blasting	Yes	Blasting on the road	3	3	3	27	Use of competent blasting and drilling company, Method Statements, PPE, Risk Assessments, Sans Codes, OHS Act and SWP. Approval of blasting plan from the RE and OHSO at least 48 hours before the planned blast	2	3	2	12
	All materials will be considered containing Silica	Yes	Risk Assessments, medical surveillance and chest x-rays for all workers and operators	3	3	3	27	PC is to ensure compliance and medical surveillance is adequately managed	3	3	2	18
	Crane Work	Yes	Cranes could be used to position bridge beams and / or culverts	3	3	3	27	Certified contractor, Method Statements, certified operators	3	2	1	6

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
	Transportation	Yes	Vehicles will be used on entire project	3	3	3	27	All operators to have a valid licence, PrDP (P.G.D.) Certificate of competence and a valid medical certificate issued by an Occupational Health Practitioner Vehicles to have amber flashing lights, reverse warning hooters and daily check checks	3	3	2	18
OHS Specification	Hazardous Chemicals	Yes	HCS's will be used during the project	3	3	3	27	Medicals are required for persons using HCS Medical certificate issued by an Occupational Health Practitioner Method statements and SWP are to be in place	3	3	2	18
	Transportation	Yes	All vehicles to be identified as Construction Vehicles	3	3	3	27	Amber flashing lights, licensed competent operators	3	3	2	18
	Lifting Equipment	Yes	Lifting equipment will be used on the project	3	3	3	27	All lifting equipment is to be on a register All equipment to be tested according to DMR	2	3	1	6



PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
								18				
	Fire Fighting Equipment	Yes	Fire fighting equipment will be used on site	2	3	2	12	All fire fighting equipment to be recorded and tested according to SANS 1475	3	3	1	9
	First Aid Equipment	Yes	First Aid equipment will be used on site	3	3	3	27	All first aid equipment to be recorded and checked according to OHS Act GSR 3 Rural area and availability to emergency services is to be taken into account. Injuries resulting from the type of operations are to be taken into consideration for the provision of first aid equipment	3	3	1	9
	River work will be required in the dry season	Yes	There may be a need to construct coffer dams or pump water from excavations	3	3	3	27	Work in dry season, emergency plan, risk assessment, method statements and safe work procedures	3	2	2	12

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH40 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
	Hazardous Chemicals	Yes	Flammable materials	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Petrol	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Diesel	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Lubricants	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
OHS Specification	Hazardous Chemicals	Yes	Gas cylinders	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Asphalt	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Cement & cement bags	3	3	2	18	PPE, Method Statement, Training, Medicals and Induction and rotation of workers	3	3	1	9
		Yes	Road lime & lime bags	3	3	2	18	PPE, Method Statement, Training, Medicals and Induction and rotation of workers	3	3	1	9

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT TENDER NO. SCMH10 22/24 0020				Baseline Raw Design Risk				Residual Risk				
COLTO / LEGISLATION REF	Design aspect present	Yes / No	Describe the conditions and activities associated with the task	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category	Extra control measures necessary to reduce risk / Redesign	Likely Consequences of an Accident	Frequency of Exposure	Probability of Harm	Risk Rating and Risk Category
		Yes	Silica hard rock quarry	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Road marking paints	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Primers	3	3	3	27	Medicals, PPE, first aid equipment and limit workers in work area	3	3	2	18
		Yes	Portable toilets	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	2	2	12
		Yes	Shutter oils	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	3	2	18
		Yes	Additives for concrete	3	3	3	27	PPE, Method Statement, Training, Medicals and Induction	3	3	2	18

PROVINCE OF THE EASTERN CAPE

DEPARTMENT OF TRANSPORT

TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

PROVINCE OF THE EASTERN CAPE

DEPARTMENT OF TRANSPORT

TENDER NO. SCMU10-23/24-0029

EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD OF 36 MONTHS

PROVINCE OF THE EASTERN CAPE DEPARTMENT OF TRANSPORT

TENDER NO. SCMU10-23/24-0029

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS  
IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD  
OF 36 MONTHS**

**CONTRACT**  
**PART 4 (OF 4): SITE INFORMATION**

**PROVINCE OF THE EASTERN CAPE**

**DEPARTMENT OF TRANSPORT**

**TENDER NO. SCMU10-23/24-0029**

**EXPROPRIATION OF LAND AND RELOCATION OF HOUSES ON PROJECTS  
IMPLEMENTED USING IN-HOUSE CONSTRUCTION TEAM FOR A PERIOD  
OF 36 MONTHS**

**C4: SITE INFORMATION**

**C 4.1 Nature of the ground**

No geotechnical investigation conducted

**C 4.2 Additional site Information**

<b>ITEM</b>	<b>DESCRIPTION</b>
Additional Site Info	Site Location: Coffee Bay, Eastern Cape Site: Various Buildings (Low cost housing) Address: Various addresses as pointed out in the site briefing
Improvements on site	Not applicable
Adjacent Buildings	No adjacent buildings
Environmental issues	None identified as planning stage
Traffic Assessment	N/A
Heritage	No

**C 4.3 Subsoil Investigations, Borehole Records and Test Results**

Nil

**C 4.4 Reports obtained by the Employer concerning the physical conditions within the site or its surroundings, including mapping, hydro-graphic data and hydrological information**

Nil

**C 4.5 References to publicly available information about the site and its surroundings such as published papers and interpretations of the geotechnical investigation**

Nil

**C 4.6 Information about piped and other services below the surface of the site for contracts involving ground works and about hook-up and boundary details for contracts with plant interfaces, in addition to anything about the physical site which impacts upon the contract**

Nil

**C 4.7 Information about adjacent buildings and structures and about existing buildings and structures on the site (Restrictions for heavy loads etc)**

Nil

**C 4.8 Atmospheric and Environmental Criteria**

Nil

# **ANNEXURE 1**

# **BILLS OF QUANTITIES**





Item No	<b><u>BILL NO. 1</u></b>	Amount
	<b><u>PRELIMINARIES</u></b>	
	<b><u>MEANING OF TERMS "TENDER / TENDERER"</u></b>	
	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"	
	<b><u>PRELIMINARIES</u></b>	
	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".	
	<b><u>PRICING OF PRELIMINARIES</u></b>	
	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.	
	<b><u>SECTION A - JBCC PRINCIPAL BUILDING AGREEMENT</u></b>	
	<b><u>DEFINITIONS</u></b>	
1	A1.0 DEFINITIONS AND INTERPRETATION	
	Clause 1.0	
	Clause 1.1 Definition of " <b>Commencement Date</b> " is added:	
	" <b>COMMENCEMENT DATE</b> " means the date that the <b>agreement</b> , made in terms of the Form of Offer and Acceptance, comes into effect	
	Clause 1.1 Definition of " <b>Construction Guarantee</b> " is amended by replacing it with the following:	
	<b>Carried Forward</b>	R
	Bill No. 1 Preliminaries <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>	

**Brought Forward**

R

**"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 form 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:

**"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 "pre-paid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

**Carried Forward**

R

Bill No. 1

Preliminaries

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

**Brought Forward**

R

No clause

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

OBJECTIVE AND PREPARATION

2 A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

3 A3.0 DOCUMENTS

Clause 3.0

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

Clause 3.7 is amended by the addition of the following:

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

Clause 3.10 is amended by replacing the second reference to "**principal agent**" with the word "**employer**"

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

4 A4.0 DESIGN RESPONSIBILITY

Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward**

R

Bill No. 1

Preliminaries

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

		<b>Brought Forward</b>	<b>R</b>
5	<p>A5.0 EMPLOYER'S AGENTS</p> <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>Fixed: _____ Value: _____ Time: _____</p>		
6	<p>A6.0 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
7	<p>A7.0 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Note: A separate clause has been included in Section C: Specific Preliminaries of the <b>bills of quantities / lump sum document</b> for the <b>contractor</b> 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>Fixed: _____ Value: _____ Time: _____</p>		
8	<p>A8.0 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
9	<p>A9.0 INDEMNITIES</p> <p>Clause 9.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
10	<p>A10.0 WORKS INSURANCES</p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p> <p><b>10.5 Damage to the Works</b></p> <p>(a) Without in any way limiting the <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall bear the full risk of damage to and/or destruction of the <b>works</b> by</p>		
		<b>Carried Forward</b>	<b>R</b>
<p>Bill No. 1 Preliminaries <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

R

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 materials 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**
- (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

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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 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 may result in catastrophic ground movement evident by sinkhole or do line 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 deems 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, 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 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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**10.7.4** 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 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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

11 A11.0 LIABILITY INSURANCES

Clause 11.0

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

12 A12.0 EFFECTING INSURANCES

Clause 12.0

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

13 **A13.0 No Clause**

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EXECUTION

14 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:

15.1.4 And acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) **calender days** of **commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.4

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

15 A16.0 ACCESS TO THE WORKS

Clause 16.0

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

16 A17.0 CONTRACT INSTRUCTIONS

Clause 17.0

Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated** and **selected subcontractors**"

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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		<b>Brought Forward</b>	R
17	<p>A18.0 SETTING OUT OF THE WORKS</p> <p>Clause 18.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
18	<p>A19.0 ASSIGNMENT</p> <p>Clause 19.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
19	<p>A20.0 NOMINATED SUBCONTRACTORS</p> <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 <b>nominated subcontractors</b> executing work allowed for under provisional sums</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
20	<p>A21.0 SELECTED SUBCONTRACTORS</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with:</p> <p>No clause</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
21	<p>A22.0 EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
22	<p>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>		
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COMPLETION

- 23 A24.0 PRACTICAL COMPLETION  
 Clause 24.0  
 Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 24 A25.0 WORKS COMPLETION  
 Clause 25.0  
 Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 25 A26.0 FINAL COMPLETION  
 Clause 26.0  
 Clause 26.1.2 is amended by inserting "#" next to 26.1.2  
 Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 26 A27.0 LATENT DEFECTS LIABILITY PERIOD  
 Clause 27.0  
 Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 27 A28.0 SECTIONAL COMPLETION  
 Clause 28.0  
 Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 28 A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION  
 Clause 29.0  
 Clause 29.2.5 is amended by replacing it with:  
 No clause  
 Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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29 A30.0 PENALTY FOR NON-COMPLETION

Clause 30.0

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

PAYMENT

30 A32.0 ADJUSTMENT TO THE CONTRACT VALUE

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**"

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

31 A33.0 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

32 A34.0 FINAL ACCOUNT AND FINAL PAYMENT

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) **calender days**" with "twenty-one (21) **calender days**" and deleting the words "subject to the **employer** giving the **contractor** a tax invoice for the amount due"

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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33 A35.0 PAYMENT TO OTHER PARTIES

Clause 35.0

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

CANCELLATION

34 A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT

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 sequestrated, 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

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

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35 A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE

Clause 37.0

Clause 37.3.5 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"

Clause 37.0 is amended by the addition of the following clause:

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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

36 A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT

Clause 38.0

Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

Clause 38.0 is amended by the addition of the following clause:

38.7 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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

37 A39.0 CANCELLATION - CESSATION OF THE WORKS

Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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DISPUTE

38 A40.0 DISPUTE SETTLEMENT

Clause 40.0

Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"

Clause 40.6 is amended by removing the reference to:

No clause

Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:

Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the **mediator** and related costs

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

SUBSTITUTE PROVISIONS

39 A41.0 STATE CLAUSES

Clause 41.0

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

CONTRACT VARIABLES

40 THE SCHEDULE (C1.2)

Clause 42.0

Tenderers are referred to the Contract Data (C1.2) for variables pertaining to this contract

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**SECTION B - JBCC PRELIMINARIES**

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B1.0 DEFINITIONS AND INTERPRETATION

41 B1.1 Definition and interpretation

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

B2.0 DOCUMENTS

42 B2.1 Checking of documents

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

43 B2.2 Provisional bills of quantities

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

44 B2.3 Availability of construction documentation

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

45 B2.4 Interest of agents

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

46 B2.5 Priced documents

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

47 B2.6 Tender submission

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance C1.1"

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

B3.0 THE SITE

48 B3.1 Defined works area

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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49 B3.2 Geotechnical investigation  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

50 B3.3 Inspection of the site  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

No claims for extras arising from the contractor having failed to comply with this clause will be entertained

51 B3.4 Existing premises occupied  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

52 B3.5 Previous work - dimensional accuracy  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

53 B3.6 Previous work - defects  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

54 B3.7 Services - known  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

55 B3.8 Services - unknown  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

56 B3.9 Protection of trees  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

57 B3.10 Articles of value  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

58 B3.11 Inspection of adjoining properties  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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B4.0 MANAGEMENT OF CONTRACT

- 59 B4.1 Management of the works  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 60 B4.2 Programme for the works  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 61 B4.3 Progress meetings  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 62 B4.4 Technical meetings  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 63 B4.5 Labour and plant records  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS

- 64 B5.1 Samples of materials  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 65 B5.2 Workmanship samples  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 66 B5.3 Shop drawings  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_
- 67 B5.4 Compliance with manufacturers' instructions  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

B6.0 TEMPORARY WORKS AND PLANT

- 68 B6.1 Deposits and fees  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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69	B6.2 Enclosure of the works Fixed:_____ Value:_____ Time:_____		
70	B6.3 Advertising Fixed:_____ Value:_____ Time:_____		
71	B6.4 Plant, equipment , sheds and offices Fixed:_____ Value:_____ Time:_____		
72	B6.5 Main notice board Fixed:_____ Value:_____ Time:_____		
73	B6.6 Subcontractors notice board Fixed:_____ Value:_____ Time:_____		
	<u><b>B7.0 TEMPORARY SERVICES</b></u>		
74	B7.1 Location Fixed:_____ Value:_____ Time:_____		
75	B7.2 Water Fixed:_____ Value:_____ Time:_____		
76	B7.3 Electricity Fixed:_____ Value:_____ Time:_____		
77	B7.4 Telecommunication facilities Fixed:_____ Value:_____ Time:_____		
78	B7.5 Ablution facilities Fixed:_____ Value:_____ Time:_____		
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B8.0 PRIME COST AMOUNTS

79 B8.1 Responsibility for prime cost amounts  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

B9.0 ATTENDANCE ON N/S SUBCONTRACTORS

80 B9.1 General attendance  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

81 B9.2 Special attendance  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

82 B9.3 Commissioning - fuel, water and power  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

B10.0 FINANCIAL ASPECTS

83 B10.0 Statutory taxes, duties and levies  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

84 B10.2 Payment of preliminaries  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

85 B10.3 Adjustment of preliminaries  
Clauses 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**"  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

86 B10.4 Payment certificate cash flow  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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B11 GENERAL

87 B11.1 Protection of the works

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

88 B11.2 Protection/isolation of existing/sectionally occupied works

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

89 B11.3 Security of the works

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

90 B11.4 Notice before covering work

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

91 B11.5 Disturbance

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

92 B11.6 Environmental disturbance

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

93 B11.7 Works cleaning and clearing

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

94 B11.8 Vermin

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

95 B11.9 Overhand work

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

96 B11.10 Instruction manuals and guarantees

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

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97 B11.11 As built information  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

98 B11.12 Tenant installations  
Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

B12 SCHEDULE OF VARIABLES

99 B12.1 Schedule of variables

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**.

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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**12.1 PRE-TENDER INFORMATION**

12.1.1 **Provisional bills of quantities**  
[2.2] The quantities are provisional **YES**

12.1.2 **Availability of construction documentation**  
[2.3] Construction documentation is complete **NO**

12.1.3 **Interests of agents**  
[2.4] Details: The professional team has no financial interest in this contract

12.1.4 **Defined works area**  
[3.1] The works area is confined to Coffee Bay: Difference sites

12.1.5 **Geotechnical investigation**  
[3.2] Details: Details for GeoTech will be obtained from the principal agent

12.1.6 **Existing premises occupied**  
[3.4] Specific requirements: N/A new building

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**12.1.7 Previous work - dimensional accuracy**

[3.5] Details: N/A

**12.1.8 Previous work - defects**

[3.6] Details: N/A

**12.1.9 Service - known**

[3.7] Details: The services that are known and can be pointed out to the successful tenderer at the Site Handover Meeting

**12.1.10 Protection of trees**

[3.9] Specific requirements: To be confirmed with the principal agent at tender stage

**12.1.11 Inspection of adjoining properties**

[3.11] Specific requirements: Adjoining boundary walls to be inspected and full report to be given to the principal agent

**12.1.12 Enclosure of the works**

[6.2] Specific requirements: The Contractor is to safely close-off the areas where construction is taking place as to ensure the public safety

**12.1.13 Offices**

[6.4.3] Specific requirements: 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.

**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 size 3 x 3m, per typical drawing no. W503 attached to these Bills of Quantities, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA, painted sans serif lettering.

The notice board for the EPWP is also to be erected in accordance with the forgoing board.

**Carried Forward**

**R**

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		<b>Brought Forward</b>	<b>R</b>
<b>12.1.15 Subcontractors notice board</b>			
[6.6]	A notice board is required	NO	
	Specific requirements:	NONE	
<b>12.1.16 Water</b>			
[7.2]	Option A (by <b>contractor</b> )	YES	
	Option B (by <b>employer</b> - free of charge)	NO	
	Option C (by <b>employer</b> - metered)	NO	
<b>12.1.17 Electricity</b>			
[7.3]	Option A (by <b>contractor</b> )	YES	
	Option B (by <b>employer</b> - free of charge)	NO	
	Option C (by <b>employer</b> - metered)	NO	
<b>12.1.18 Telecommunications</b>			
[7.4]	Telephone	YES	
	Facsimile	YES	
	E-mail	YES	
<b>12.1.19 Ablution facilities</b>			
[7.5]	Option A (by <b>contractor</b> )	YES	
	Option B (by <b>employer</b> )	NO	
<b>12.1.20 Protection of existing/sectionally occupied works</b>			
[11.2]	Protection is required	N/A	
<b>12.1.21 Special attendance</b>			
[9.2]	<b>Subcontractor</b> (1) details:	N/A	
	<b>Subcontractor</b> (2) details:	N/A	
	<b>Subcontractor</b> (3) details:	N/A	
	<b>Subcontractor</b> (4) details:	N/A	
<b>12.1.22 Protection of the works</b>			
[11.1]	Specific requirements:		
		<b>Carried Forward</b>	<b>R</b>
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**Brought Forward** R

**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: NONE

**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

100 C1 CONTRACT DRAWINGS

The drawings issued with this 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 understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward** R

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**Brought Forward** R

101 C2 PREAMBLES

The document " Construction Works: Specifications: General Specification (PW371-A) Edition 2.0" is obtainable on the Department of Public Work'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

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 **bills of quantities**.

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

102 C3 TRADE NAMES

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

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

103 C4 IMPORTED MATERIALS AND EQUIPMENT

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.

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)

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

104 C5 VIEWING THE SITE IN SECURITY AREAS

The **site** is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer of the South African Police to obtain permission to enter the **site** for tendering purposes

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

**Carried Forward** R

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105 C6 COMMENCEMENT OF WORKS IN SECURITY AREAS

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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

106 C7 ENTRANCE PERMITS TO SECURITY AREAS

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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

107 C8 SECURITY CHECK OF PERSONNEL

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**

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

108 C9 PROHIBITION ON TAKING PHOTOGRAPHS

**N/A**

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward** R

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**Brought Forward** R

C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW1544) of the Department of Public Works 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 regards 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 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

109 C10.1 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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

110 C10.2 AWARENESS WORKSHOPS

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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

111 C10.3 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 **contract period**, all in accordance with the HIV/AIDS Specification

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward** R

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112    C10.4 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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

113    C10.5 MONITORING

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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

114    C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT

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 Health and Safety Specification that must be read together with and is deemed to be incorporated under this section of the Bills of Quantities.

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.

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward**      R

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**Brought Forward**      R

115 C11.1 ADDENDUM TO THE OCCUPATIONAL HEALTH AND SAFETY ACT: GOVERNING WORKPLACES IN RELATION TO CORONAVIRUS DISEASE 2019 (COVID 19) UNDER THE NATIONAL DISASTER ACT

It is required of the **contractor** to thoroughly study the ADDENDUM to the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities / lump sum document**

The **contractor** must take note that compliance with the Regulations incorporated in the ADDENDUM to 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 specifications contained in the Addendum governing workplaces in relation to coronavirus disease 2019 (covid19) under the national disaster act 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

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward**      R

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**Brought Forward**

R

116 C12 IMPLEMENTATION OF LABOUR INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) - **N/A**

The **contractor** shall comply with all the requirements of the "Code of Good Practice for Employments and Conditions of Works for Special Public Works Programme" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)

The **contractor** shall enter into an employment agreement with all workers and provide certified copies of such agreements and identity documents of the workers to the **principal agent** within 28 calendar days

The **contractor** shall maintain daily records with regard to the workers employed and shall, on monthly basis, submit a report to the **principal agent** in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in the said report all as defined in the "Guidelines for the Implementation of Labour intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)"

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward**

R

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**Brought Forward** R

117 C13 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS) -**N/A**

The **contractor** shall comply with Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS) as attached to these **bills of quantities**

The **contractor** shall identify a minimum of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them as per aforementioned specification and as elsewhere measured in these **bills of quantities**

The **contractor** shall liaise and co-ordinate with the **employer** and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers

The **contractor** shall avail the services of an adequately qualified foreman specifically for the EPWP- NYP youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers

Separate items which will be subject to re-measurement, have been included elsewhere in these **bills of quantities** to cover the direct costs associated with the employment and training of youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

118 C14 COMMUNITY LIAISON OFFICER (CLO) - **N/A**

The **contractor** shall employ a Community Liaison Officer (CLO) for the full duration of the contract.

Fixed:\_\_\_\_\_ Value:\_\_\_\_\_ Time:\_\_\_\_\_

**Carried Forward** R

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**Brought Forward** R

119 C15 USE OF LOCAL SMME's

It is the requirement of the **employer** that the **contractor** enhances the use of local Small, Micro and Medium Enterprises (SMME's) involved in the project. This is required to be done through the use of both traditional building techniques and **labour intensive construction techniques** careful and considered construction planning

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

(a) SMME's involvement of at least 30% of the contract value to be sourced from within 50km of the project site

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

120 C16 USE OF LOCAL BUILDING MATERIALS

Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province, and provided that:

- (a) Such materials comply in all respects with the specific requirements of PW371
- (b) The availability of such materials shall not adversely affect the desired progress of the specific works
- (c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof
- (d) Materials of at least 10% of the contract value to be sourced from within 50km of the project site
- (e) Material of at least 20% of the contract value to be sourced from within 400km of the project site

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried Forward** R

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**Brought Forward**      R

121      **C17 : EXPANDED PUBLIC WORKS PROGRAMME (EPWP)**

The **contractor** shall comply with all the requirements of the “Code of Good Practice for Employments and Conditions of Work for Special Public Works Programme” issued in terms of the “Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)” and the related “Ministerial Determination”, for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)

The **contractor** shall enter into an employment agreement with all workers and provide certified copies of such agreements and Identity documents of the workers to the principal agent within 28 calendar days.

The **contractor** shall maintain daily records with regard to the workers employed and shall, on monthly basis, submit a report to the **principal agent** in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in the said report all as defined in the “Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)”

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: \_\_\_\_\_ Value: \_\_\_\_\_ Time: \_\_\_\_\_

**Carried to Summary**      R

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO.2</u></b></p>			
<p><b><u>EARTHWORKS (PROVISIONAL)</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p>Tenderers are advised to visit the site to acquaint themselves fully as to the conditions on site as no claim in this regard will be entertained.</p>			
<p>Tenderers are to inspect the drawings issued with these Bills of Quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard</p>			
<p>Tenderers are to read the descriptions, which are intended as a means of identifying various facets of the work, in conjunction with the drawings. Tenderers shall allow for all costs in connection with the various items taking full cognisance of both the drawings and the Bills of Quantities. Tenderers shall notify the Quantity Surveyor in writing of any discrepancies encountered upon which clarification will be given by the Quantity Surveyor in writing to the Tenderer. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard</p>			
<p>Tenderers are to note that setting out of the works will be the complete responsibility of the Tenderer and they should therefore acquaint themselves with the site boundaries, site co-ordinates, datum levels etc. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard</p>			
<p><b>Carried Forward</b></p>		R	
<p>Bill No. 2            Earthworks (provisional)  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

The contractor shall identify and expose, where relevant, all underground services on site. He should liaise with all relevant authorities for the location and protection of these services.

The tenderers are advised to visit the site to acquaint themselves fully as to the conditions on site as no claim in this regard will be entertained.

Where specifications and descriptions in these Bills of Quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these Bills of Quantities shall take preference.

**The descriptions contained in these Bills of Quantities are to be read in conjunction with the drawings, schedules and specifications as prepared by the Principal Agent and the various specialist Consultants and are intended as a means of identifying the various facets of the work. Tenderers shall allow for all costs in connection with the various items taking full cognisances of drawings, schedule of finishes and the Bills of Quantities descriptions.**

Tenderers will be required to have sufficient teams on site, at all times, as to ensure that the programme dates are met. Tenderers are to allow for this in their tenders as no claim for additional teams or workmen will be entertained at a later stage.

Furthermore, tenderers are to study and acquaint themselves with the programme.

Tenderers are advised that no site accommodation will be provided for their use. As such tenderers are to allow for this item in their submitted rates, or under the items provided for in the Preliminary & General sections.

Final measurement of the works shall be made from either the construction drawings or from measurements taken on site to the nearest 0,01m and priced in accordance with the rates contained herein.

**Carried Forward**

Bill No. 2  
Earthworks (provisional)  
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R

R

**Brought Forward**

R

**Descriptions**

Descriptions are referred to in these Bills of Quantities are intended for REFERENCE PURPOSES ONLY and where discrepancies between the Bill items and the drawings occur, the drawings shall take preference. Such discrepancies shall be qualified by the tenderer and failure to do so shall indemnify the Employer and/or his agents against any additional costs, etc. resulting from such discrepancies.

**Items in General**

All items contained in this BoQ must be priced as installed complete as per Architect's and Engineering drawings and specifications.

**Proprietary products in descriptions**

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior tender closing written approval by the principal agent

**Nature of material to be excavated**

The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock"

**Carting away of excavated material**

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

**Carried Forward**

R

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<b>Brought Forward</b>		R
<u>Dewatering of excavations</u>		
The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise		
Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water		
<u>Density testing on filling</u>		
Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved.		
When additional testing is done on instruction of the principal agent and these tests are successful, they will be paid for additionally		
<u>Imported fill</u>		
"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"		
<b><u>SITE CLEARANCE</u></b>		
<u>Site clearance</u>		
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m2 528
<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>		
<b><u>EXCAVATIONS ETC</u></b>		
<u>Excavation in earth not exceeding 2m deep</u>		
2	Trenches	m3 155
<b>Carried Forward</b>		R
Bill No. 2 Earthworks (provisional) <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>		

<b>Brought Forward</b>				R
<u>Extra over trench and hole excavations in earth for excavation in</u>				
3	Soft rock	m3	8	
4	Hard rock	m3	8	
<u>Extra over all excavations for carting away</u>				
5	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m3	85	
<u>Risk of collapse of excavations</u>				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	471	
<u>Keeping excavations free of water</u>				
7	Keeping excavations free of all water other than subterranean water		Item	
<b><u>FILLING ETC</u></b>				
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 90% Mod AASHTO density</u>				
8	Backfilling to trenches, holes, etc	m3	70	
<u>Filling of natural gravel material G5 supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
9	Under floors, steps, pavings, etc	m3	109	
<b><u>WEED KILLERS, INSECTICIDES, ETC</u></b>				
<u>Soil insecticide in accordance with SANS 5859</u>				
10	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	363	
11	To bottoms and sides of trenches etc	m2	665	
<b>Carried Forward</b>				R
Bill No. 2 Earthworks (provisional) <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>				

<b>Brought Forward</b>		R
<b><u>TESTS</u></b>		
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>		
12	"Modified AASHTO Density" test	No 2
<b>Carried to Summary</b>		R
Bill No. 2 Earthworks (provisional) <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>		



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 3</u></b></p>			
<p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b></p>			
<p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><u>Proprietary products in descriptions</u></p>			
<p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior tender closing written approval of the Principal Agent</p>			
<p><u>Cost of tests</u></p>			
<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>			
<p><u>Breeze concrete</u></p>			
<p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); 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>			
<p><b>Carried Forward</b></p>		R	
<p>Bill No. 3 Concrete, formwork and reinforcement <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

Lightweight concrete

Lightweight concrete shall have a density of 600kg/m<sup>3</sup> for the top 50mm and 400kg/m<sup>3</sup> for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm

Formwork

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

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

Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described

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

**UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES**

**Carried Forward**

Bill No. 3  
Concrete, formwork and reinforcement  
**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

R

R

<b>Brought Forward</b>			R
	<u>10MPa/19mm concrete</u>		
1	Surface blinding under footings	m3	10
	<u>20MPa/19mm concrete</u>		
2	Apron	m3	25
3	Strip footings	m3	58
4	Concrete infill in foundation blockwork	m3	10
<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
	<u>25MPa/19mm concrete</u>		
5	Surface beds on waterproofing	m3	33
6	Mass concrete tank stand	m3	9
<b><u>TEST CUBES</u></b>			
7	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	7
<b><u>CONCRETE SUNDRIES</u></b>			
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>		
8	Surface beds, slabs, etc	m2	363
<b><u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u></b>			
	<u>Smooth formwork to sides</u>		
9	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	304
<b><u>MOVEMENT JOINTS ETC</u></b>			
<b>Carried Forward</b>			R
Bill No. 3 Concrete, formwork and reinforcement <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

<b>Brought Forward</b>			R
	<u>Saw-cut joints</u>		
10	3 x 30mm Saw-cut joints in top of concrete	m	99
	<b><u>REINFORCEMENT (PROVISIONAL)</u></b>		
	<u>Fabric reinforcement</u>		
11	Type 193 fabric reinforcement in concrete surface beds etc	m2	636
<b>Carried to Summary</b>			R
Bill No. 3 Concrete, formwork and reinforcement <b>Expropriation of Land and Relocation of Houses for the            In-House Projects for New Roads Construction</b>			

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 4</u></b>			
<b><u>MASONRY</u></b>			
<b><u>PREAMBLES</u></b>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Proprietary items or materials</u></b>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works</p>			
<b><u>BRICKWORK</u></b>			
<p>Brickwork to be laid in stretcher bond throughout</p>			
<b><u>Sizes in descriptions</u></b>			
<p>Where sizes in descriptions are given in brick units, "one brick" shall be the length and "half brick" the width of a brick</p>			
<b><u>Cement mortar</u></b>			
<p>Class I mortar to be used for all brickwork</p>			
<b><u>External walls, etc</u></b>			
<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 "Brixéal" bitumen emulsion waterproofing coating</p>			
<b>Carried Forward</b>		R	
<p>Bill No. 4  Masonry  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

R

**Brick reinforcement**

Descriptions of brickwork shall be deemed to include for steel reinforcing fabric as specified every fourth course in superstructure, every course between door height and wall plate above openings and every course in foundations. Additional reinforcement in lintels, etc are measured separately

**Face bricks**

Bricks shall be ordered timeously to obtain uniformity in size and colour

**Pointing**

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

**Samples, etc**

Rates for brickwork, faced brickwork, etc shall include for all required samples

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

**BLOCKWORK**

**FOUNDATIONS (PROVISIONAL)**

Blockwork (7MPa) in class II mortar

1	90mm Walls	m2	47
2	140mm Walls	m2	163

**SUPERSTRUCTURE**

Blockwork (7MPa) in 1:5 mortar

3	L-shaped piers	m3	1
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**Carried Forward**

R

Bill No. 4  
 Masonry

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

<b>Brought Forward</b>				R
4	90mm Walls	m2	138	
5	140mm Walls	m2	546	
6	140mm Walls in beamfilling	m2	28	
7	90mm Lintels one course high of 190 x 90 x 190mm U-blocks filled solid with 20MPa/10mm concrete (reinforcement elsewhere)	m	17	
8	140mm Lintels one course high of 190 x 140 x 190mm U-blocks filled solid with 20MPa/10mm concrete (reinforcement elsewhere)	m	64	
<b><u>BLOCKWORK SUNDRIES</u></b>				
9	180 x 70mm Concrete sill set flat and slightly projecting	m	49	
<u>Steel bar reinforcement</u>				
10	12mm Diameter mild steel bars built in horizontally	t	0.20	
<u>2,5mm Brickwork reinforcement</u>				
11	75mm Wide reinforcement built in horizontally	m	606	
12	150mm Wide reinforcement built in horizontally	m	2,138	
<u>Galvanised wire ties etc</u>				
13	4mm Diameter roof tie 400mm girth bent double, with one end built into blockwork and other end fixed to timber	No	145	
<u>Wall bonding ties</u>				
14	30mm Wide galvanised expanded steel wall bonding tie 700mm long built horizontally into blockwork at wall intersections, construction joints, etc	No	263	
<u>Air bricks etc</u>				
15	229 x 152mm Clay vermin proof air brick	No	40	
<b>Carried Forward</b>				R
Bill No. 4 Masonry <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>				

**Brought Forward**

R

**FIBRE-CEMENT WINDOW SILLS**

"Everite" or equal approved sills in single lengths bedded in class I mortar including galvanised metal fixing lugs etc

16

15 x 150mm Wide sills set flat and slightly projecting

m

49

**Carried to Summary**

R

Bill No. 4

Masonry

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**



Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 5</u></b></p>			
<p><b><u>WATERPROOFING</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>Waterproofing</u></b></p>			
<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>			
<p>All surfaces that are to receive coating must be free from oil, grease, wax, dirt or any other form of foreign matter that might affect adhesion. Typically concrete may require grit blasting. Spalled surfaces or those containing large blowholes and other such defects should be repaired using approved waterproofing mortar. Care must be taken when choosing the repair mortar to ensure that it has all necessary approvals for contact with potable water. If the surface contains small blow holes, typically less tha 1mm wide, the coating can be applied directly onto the substrate without the need for treatment.</p>			
<p>Where the screed does not conform to these requirements then a self levelling screed is to applied and the rates are to include for the testing of the existing screed as described above.</p>			
<p><b>Carried Forward</b></p>		R	
<p>Bill No. 5          Waterproofing  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

<b>Brought Forward</b>		R
<b><u>Proprietary items or materials</u></b>		
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works		
<b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b>		
<u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u>		
1	In walls, under cills etc.	m2 49
<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>		
2	Under surface beds	m2 688
<b><u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC</u></b>		
<u>Approved polysulphide sealing compound including backing cord, bond breaker etc.</u>		
3	3 x 10mm In saw cut joints in floors	m 99
<b>Carried to Summary</b>		R
Bill No. 5 Waterproofing <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>		

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO 6</u></b></p>			
<p><b><u>ROOF COVERINGS, CLADDINGS, ETC</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<p>Tenders are advised to carefully study the full intent and meaning of "Construction Works: Specifications (PW371-A Edition 2.1 of July 2014 and PW371-B Edition 2.2 of December 2015)" before pricing this bill as these standards shall apply to all items of work on this project. Additional Supplementary Preambles have been incorporated. Where these are at variance with PW371-A &amp; B such Supplementary Preambles will take precedence.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>Roof Construction</u></b></p>			
<p>Roofing plan to be consulted for specific rafter and purlingsizes detailed design drawing. All loadings on roof trusses to be calculated in accordance with SANS 0160. All timber members to be designed in according to SANS 0163.</p>			
<p><b>Carried Forward</b></p>		R	
<p>Bill No. 6          Roof coverings, claddings, etc.  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

R

**Roof sheeting installation certificate:**

Timber roof trusses to comply with requirements of SABS Spec 0163 and to be constructed out of S.A Pine. Contractor to supply roof completion certificate from approved certifying agent in order for practical completion to be effected. The certificate is to cover the installation of roof sheeting, guttering and trusses. The certificate is to be supplied by an independent roofing inspector such as Mitek confirming that the trusses have been manufactured and installed to the governing SABS specifications and truss manufacturers instructions. In addition to this, confirmation from the roof sheeting manufacturer that the installation has been completed in terms of their instructions and governing SABS specifications is to be included. Truss Shop Drawings to be submitted to the architect for approval. Allow 2 weeks for approval. To be approved by architect 4 weeks prior to truss orders been placed.

**PROFILED METAL SHEETING AND ACCESSORIES**

0.47mm Chromadeck or similar approved galvanised IBR profile sheet steel and accessories fixed to timber purlins (elsewhere) as per manufacturers specifications.

1	Roof covering with pitches not exceeding 25 degrees	m2	495
2	Ridge cappings 450mm girth	m	77
3	Ridge end cap	No	16
4	Narrow and broad flute closers	m	166

**ROOF AND WALL INSULATION**

"Alutherm AP" (Polyester Fibre) 40mm thick or equal approved roof insulation laid below roof covering on purlins as per manufacturer's specification

5	Insulation blanket laid taut over purlins (at approximately 1000mm centres) and fixed concurrent with roof covering with stapled longitudinal flap joints, including fixing at top and bottom edges to purlins with and including hoop iron straps	m2	495
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**Carried to Summary**

R

Bill No. 6

Roof coverings, claddings, etc.

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO 7</u></b></p>			
<p><b><u>CARPENTRY AND JOINERY</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p><b><u>Particle board:</u></b></p>			
<p>Particle board shall comply with the following specifications:</p>			
<p>a) SABS 1300 Particle board: exterior and flooring type</p>			
<p>b) SABS 1301 Particle board: interior type</p>			
<p><b><u>Joinery:</u></b></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><b><u>Fixing</u></b></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><b><u>Decorative laminate finish:</u></b></p>			
<p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>			
<p><b><u>STRUCTURAL TIMBERWORK ETC</u></b></p>			
<p>Carried Forward</p>		R	
<p>Bill No. 7            Carpentry and Joinery  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

**PLATE NAILED TIMBER ROOF TRUSS  
CONSTRUCTION ETC**

SUPPLEMENTARY PREAMBLES

Trusses are at maximum 1200mm centres

Roof covering is IBR sheeting on purlins @18 degrees pitch

Ceiling is 6.4mm gypsum boards on 38 x 38mm brandering

References given in descriptions refer to the respective types of trusses detailed on the architect's/engineer's drawings numbered (TBC) accompanying these bills of quantities for tender purposes

Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences

SA Pine

- |   |   |      |
|---|---|------|
| 1 | <p>Prefabricated roof construction for double pitched roof 11 600mm x 8 130mm on plan x 1900mm high overall with three gable ends, with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, valley runners, 38 x 152 T bracing, etc. 84m2 total roof area (on flat) [Nozizwe Zikholisile]</p>       | Item |
| 2 | <p>Prefabricated roof construction for double pitched roof 11 600mm x 8 130mm on plan x 1900mm high overall with three gable ends, with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, valley runners, 38 x 152 T bracing, etc. 84m2 total roof area (on flat) [Philda Nontobeko Mboniswa]</p> | Item |

R

**Carried Forward**

R

Bill No. 7

Carpentry and Joinery

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

<b>Brought Forward</b>		R
3	Prefabricated roof construction for double pitched roof 7772mm x 6400mm on plan x 1080mm high overall with two gable ends, with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, valley runners, 38 x 152 T bracing, etc. 50m2 total roof area (on flat) [Sibezula]	Item
4	Prefabricated roof construction for pyramid shaped roof 6300mm x 5770mm on plan x 1080mm high overall with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, 38 x 152 T bracing, etc. 24m2 total roof area (on flat) [Vuyani]	Item
5	Prefabricated roof construction for double pitched roof 11 600mm x 8 130mm on plan x 1900mm high overall with three gable ends, with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, valley runners, 38 x 152 T bracing, etc. 84m2 total roof area (on flat) [Nosebenzile Ngexe]	Item
6	Prefabricated roof construction for double pitched roof 11 600mm x 8 130mm on plan x 1900mm high overall with three gable ends, with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, valley runners, 38 x 152 T bracing, etc. 84m2 total roof area (on flat) [Nombonelo Mhlakulo]	Item
7	Prefabricated roof construction for pyramid shaped roof 6300mm x 5770mm on plan x 1080mm high overall with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, 38 x 152 T bracing, etc. 24m2 total roof area (on flat) [Nosebenzile - Rondavel]	Item
<b>Carried Forward</b>		R
Bill No. 7 Carpentry and Joinery <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>		

<b>Brought Forward</b>		R
8	<p>Prefabricated roof construction for pyramid shaped roof 6300mm x 5770mm on plan x 1080mm high overall with trusses at 1200mm centres, jack rafters, one hip set, 38 x 114mm wall plate, 38 x 75mm purlins at 1150mm centres with 38 x 50mm wrought tilting batten at eaves, 38 x 76mm permanent bracing, 38 x 152 T bracing, etc. 24m<sup>2</sup> total roof area (on flat) [Nombonelo - Rondavel]</p> <p><b><u>EAVES, VERGES, ETC</u></b></p> <p><u>"Everite FC77" pressed fibre-cement (Colour: Off-white):</u></p>	Item
9	<p>12 x 225mm Fascia boards including galvanized steel H-profile jointing strips.</p>	m 166
10	<p>12 x 200 x 80mm Barge boards including galvanized steel H-profile jointing strips.</p>	m 112
<b><u>TIMBER DOORS, WINDOWS, ETC</u></b>		
<b><u>DOORS, ETC</u></b>		
<u>Wrought doors hung to steel frames</u>		
11	<p>44mm Batten door 813 x 2032mm high of 110 x 40mm top, middle and bottom ledges and braces and covered with tongued and grooved V-jointed one side vertical boarding</p>	No 13
<u>Hollow core flush doors with commercial veneer</u>		
12	<p>44mm Door 813 x 2032mm high</p>	No 14
<b>Carried to Summary</b>		R
<p>Bill No. 7            Carpentry and Joinery  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>		



Item No	Quantity	Rate	Amount
<b><u>BILL NO. 8</u></b>			
<b><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></b>			
<b><u>PREAMBLES</u></b>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Descriptions:</u></b>			
<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 elsewhere</p>			
<b><u>BULKHEAD</u></b>			
<p>Ceiling boards shall only be cut down the length to form infill panels against walls, where such panels shall not be less than 300mm wide and shall be in single lengths to the width of ceiling wherever possible.</p>			
<p>Plasterboard bonding plaster shall be a light weight retarded semi-hydrate gypsum plaster, applied in two thicknesses by the trowel-float-trowel method, to a total thickness of not less than 6mm, well pressed into the wire scrim over the joints between the ceiling boards and finished with a very thin layer of finish plaster. The finish plaster shall be applied as soon as the second layer of bonding plaster stiffens. All screw holes &amp; imperfections to be skimmed, before sanding smooth for painting</p>			
<b>Carried Forward</b>		R	
<p>Bill No. 8          Ceilings, partitions and access flooring  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

R

**SUPPLEMENTARY PREAMBLES**

**Descriptions:**

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete

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 elsewhere

**BULKHEAD**

Ceiling boards shall only be cut down the length to form infill panels against walls, where such panels shall not be less than 300mm wide and shall be in single lengths to the width of ceiling wherever possible.

Plasterboard bonding plaster shall be a light weight retarded semi-hydrate gypsum plaster, applied in two thicknesses by the trowel-float-trowel method, to a total thickness of not less than 6mm, well pressed into the wire scrim over the joints between the ceiling boards and finished with a very thin layer of finish plaster. The finish plaster shall be applied as soon as the second layer of bonding plaster stiffens. All screw holes & imperfections to be skimmed, before sanding smooth for painting

**CEILING TIMBERS, BEADS, INSULATION, ETC**

**CEILINGS ETC**

**NAILED-UP CEILINGS**

**Carried Forward**

R

Bill No. 8

Ceilings, partitions and access flooring

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

<b>Brought Forward</b>			R
	<u>6,4mm "Gyproc GypCeil" or similar approved classic gypsum plasterboard with Rhinotape joints and the whole finished with 3mm to 6mm Rhinolite multipurpose plaster trowelled to a smooth polished surface all in accordance with the architect's specification</u>		
1	Ceilings including 38 x 38mm SA Pine softwood brandering at 300mm centres and cross brandering at 600mm centres	m2	363
2	Extra over ceiling for 500 x 750mm trap door of 38 x 38mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	3
	<u>Gypsum plasterboard cornices</u>		
3	76mm Coved cornices, plugged	m	331
<b>Carried to Summary</b>			R
Bill No. 8 Ceilings, partitions and access flooring <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

Item No	<b><u>BILL NO 9</u></b>	Quantity	Rate	Amount
	<b><u>IRONMONGERY</u></b>			
	<b><u>PREAMBLES</u></b>			
	The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Finishes to ironmongery</u></b>			
	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 SD Sanded			
	Note:			
	Ironmongery is fixed to timber unless otherwise described.			
	-----			
	<b><u>LOCKS</u></b>			
	<u>"Union" or similar approved</u>			
1	Two-lever mortice lockset	No	14	
2	Three-lever mortice lockset	No	13	
	<b>Carried Forward</b>			R
	Bill No. 9 Ironmongery <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

		Brought Forward			R
<b><u>SUNDRIES</u></b>					
<u>"Union" or similar approved</u>					
3	38mm Rubber door stop plugged	No	27.00		
<b>Carried to Summary</b>					
Bill No. 9 Ironmongery <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>					
					R

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 10</u></b>			
	<b><u>METALWORK</u></b>			
	<b><u>PREAMBLES</u></b>			
	The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.			
	<b><u>SUPPLEMENTARY PREAMBLES:</u></b>			
	<b><u>Descriptions:</u></b>			
	Descriptions of bolts shall be deemed to include nuts and washers.			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.			
	Metalwork described as holed for bolts shall be deemed to exclude the bolts unless otherwise described.			
	<b><u>GALVANISED PRESSED STEEL DOOR FRAMES</u></b>			
	<u>1,2mm Rebated frames suitable for 90mm block walls</u>			
1	Frame for door 813 x 2032mm high	No	14	
	<u>1,2mm Rebated frames suitable for 140mm block walls</u>			
2	Frame for door 813 x 2032mm high	No	13	
	<b><u>GALVANISED STEEL WINDOWS, DOORS, ETC</u></b>			
	All window frames to comply with SABS 727			
	<u>Standard residential windows</u>			
3	Window type ND2, 1022 x 1245mm high	No	5	
4	Window type ND4, 1511 x 1245mm high	No	29	
	<b>Carried to Summary</b>		R	
	Bill No. 10 Metalwork <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO 11</u></b></p>			
<p><b><u>PLASTERING</u></b></p>			
<p><b><u>PREAMBLES</u></b></p>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p>			
<p>NOTE:</p>			
<p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p>			
<p>-----  <b><u>GRANOLITHIC</u></b></p>			
<p><u>Preparation</u></p>			
<p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic.</p>			
<p><b>Carried Forward</b></p>		R	
<p>Bill No. 11          Plastering  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

R

Mix

Granolithic mix for surface beds, composed of 1 part cement: 2 parts sand and 1 part 5mm granite aggregate finishes as per finish required under finishes.

Cement to be manufactured in accordance with SANS 50197-1

Panels

Grano finish to be laid in panels of not more than 20m2 with v-joint between panels.  
As necessary, form reeding to stair treads with 100mm reeding tool.

SCREEDS

Screed to make up for floor finish thickness variations. Top of different floor finishes to be level as per details.

Cement is to manufactured in accordance with SANS 50197-1

Mix

Floor screed mix for concrete surface beds, composed of 1 part cement and 3 parts sand. Cement is to be manufactured in accordance with SANS 50197-1

CEMENT PLASTER

All existing walls are to be checked to make sure the plaster is sound. Where necessary chip off unsound and loose plaster and plaster with plaster mix composed of 1 part cement and 6 parts sand 10mm-20mm thick, finished with a wood float. Cement to be manufactured in accordance with SANS-5097-1 and sand to conform to SANS 1083:1994

SCREEDS

**Carried Forward**

R

Bill No. 11  
Plastering

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**



<b>Brought Forward</b>			R
	<u>Screeds wood floated, on concrete</u>		
1	25mm Thick on floors and landings	m2	363
	<b><u>INTERNAL PLASTER</u></b>		
	<u>Cement plaster steel trowelled, on block work</u>		
2	On walls	m2	692
3	On narrow widths not exceeding 300mm wide	m2	19
	<b><u>EXTERNAL PLASTER</u></b>		
	<u>Cement plaster steel trowelled, on block work</u>		
4	On walls	m2	612
5	On narrow widths not exceeding 300mm wide	m2	19
<b>Carried to Summary</b>			R
Bill No. 11 Plastering <b>Expropriation of Land and Relocation of Houses for the            In-House Projects for New Roads Construction</b>			

Item No	Quantity	Rate	Amount
<b><u>BILL NO 12</u></b>			
<b><u>TILING</u></b>			
<b><u>PREAMBLES</u></b>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Descriptions</u></b>			
<p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p>			
<b><u>FLOOR TILING</u></b>			
<b><u>Porcelain tiles</u></b>			
<p>Allow all new concrete work and screeds to cure for at least 28 days before new concrete work and screeds must have a moisture test and can be commenced. When tiling directly onto concrete, the surface must be clean, and free of all traces of shutter release and curing agent contaminants, preferably by scarifying or sandblasting.</p>			
<p>Any screeding must be firmly attached to the underlying surface (no crumbling, cracking etc.) and must be of a quality and quantity that meets the requirements of the specification. Defective areas must be removed and the floor made good.</p>			
<b>Carried Forward</b>		R	
<p>Bill No. 12          Tiling  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

R

Application

Apply Tal Gold Star 6 rapid setting adhesive mixed 20kg with 5 litres of Tal Bond (replacing the water in the mix) using a notched Tal floor trowel. Grout with light grey Tal Wall and floor grout mixed 20kg with 6 litres of Tal Bond (replacing the water in the mix). Allow for 3 tile colours and pattern as per flooring plan. Colours to be chosen from presented

WALL TILING

Mosaic Tiling

The rendering must be firmly attached to the substrate, must be integrally sound (no crumbling, cracking etc.) and must be a quality and consistency suitable for tiling. The background must be clean, dry, firm and sound and free from dust, loose particles and surface contaminants before proceeding. renders should be left with a wood float finish and should not be skim coated with gypsum plaster.

**WALL TILING**

200 x 200 x 5mm White glazed ceramic tiles (PC R 140/m<sup>2</sup>) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted grout

1 On walls

m2

32

**Carried to Summary**

R

Bill No. 12  
Tiling

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

Item No	Quantity	Rate	Amount
<b><u>BILL NO 13</u></b>			
<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>			
<b><u>PREAMBLES</u></b>			
<p>The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.</p>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>"Polycop" polypropylene pipes:</u></b>			
<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 instructions</p>			
<p>All pipe diameters are nominal external</p>			
<b><u>uPVC pipes and fittings:</u></b>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p>			
<b><u>uPVC pressure pipes and fittings:</u></b>			
<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>			
<b>Carried Forward</b>		R	
<p>Bill No. 13          Plumbing and Drainage (Provisional)  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

**Brought Forward**

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

**Copper pipes and taps:**

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.

Copper pipes for domestic cold water and gas services in all cases shall comply with the requirements of SABS Specification 460 Class 0, 2 and 3. For applications below ground only Class 2 or 3 shall be used. Pipework above ground shall be of Class 0 or 2 jointed with capillary soldered fittings and no bending of pipes will be allowed. Provision must be made for union couplings in strategic places. Hot water piping to be of thin wall hard-drawn copper. Unless otherwise specified, all copper pipes shall be jointed with approved capillary solder type fittings, each joint being formed by cutting the pipe-ends square, preferably with a pipe cutter. All as per NBR.

Ball cocks shall be lockable with nickel plated brass bodies, PTFE seats, stainless steel balls and corrosion resistant valve handles.

**Fixing of pipes**

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level

**Carried Forward**

Bill No. 13  
Plumbing and Drainage (Provisional)  
**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

R

R

**Brought Forward**

**Reducing fittings**

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

**Exposed concrete surfaces**

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

**Excavations**

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

**Laying, backfilling, bedding, etc. of pipes**

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

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 clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding

**Carried Forward**

Bill No. 13

Plumbing and Drainage (Provisional)

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

R

R

**Brought Forward**

**Flush pans**

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary

**Stainless steel basins, sinks, wash troughs, urinals, etc.**

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

**Water Closets**

**Installations**

- 1/. Place pan into position and mark hole positions. Remove pan and drill holes. Place pan back into position, fix screw to the floor and secure.
- 2/. Assemble all cistern fittings with inlet valve on right hand side of cistern. Fit cistern to pan ensuring sealing ring is in the correct position and tighten wing nuts.  
NOTE: Do not use putty as sealer.
- 3/. Flush the water line.
- 4/. Complete all plumbing connections and test flush. Ensure that the correct water level has been set and that the operating overflow tube height conforms to and operates according to local by-laws and SABS specifications.

5/. Always use silicone sealant or equivalent between the pan and the finished floor and wall surfaces for a secure and neat installation.

NOTE: The warranty will not apply to any product installed with cement.

**Carried Forward**

Bill No. 13

Plumbing and Drainage (Provisional)

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**

R

R

**Brought Forward**

R

**Urinals**

**Installations**

- 1/. Fit the waste outlet and spreader to the urinal.
  - 2/. Screw hanger brackets to the wall at the required height, using wall plugs.
  - 3/. Hang urinal on brackets and connect trap to waste outlet.
  - 4/. Connect urinal flushvalve to flush pipe which is connected to spreader, ensuring
  - 5/. Test flush.
- Cobra Watertech, exposed top inlet flushvalve FJ6000 Flushmaster with FJT 5.5 flushpipe).

**uPVC gutters and rainwater pipes**

1	110mm Diameter half-round roof gutters with beaded front edge	m	166
2	75mm Diameter rainwater pipes	m	70
3	Extra over gutter for stopped end	No	22
4	Extra over gutter for outlet for 75mm pipe	No	21
5	Extra over rainwater pipe for bend	No	25
6	Extra over rainwater pipe for shoe	No	21
7	Extra over rainwater pipe for eaves or plinth offset	No	21

**SANITARY FITTINGS**

**"Cam Africa" or similar approved stainless steel**

8	915 x 460mm Drop-on sink with end bowl on galvanised steel brackets	No	8
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**WASTE UNIONS ETC**

9	40mm Chromium plated bath or sink waste union	No	8
---	---	----	---

**Carried Forward**

R

Bill No. 13

Plumbing and Drainage (Provisional)

**Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction**



<b>Brought Forward</b>			R
<b><u>TRAPS ETC</u></b>			
10	40mm Rubber "P" or "S" trap	No	8
<b><u>TAPS, VALVES, ETC</u></b>			
11	22mm Brass lockable tank bib tap	No	8
<b><u>SANITARY PLUMBING</u></b>			
<u>uPVC soil and vent pipes</u>			
12	40mm Pipes	m	55
<u>Extra over PVC-U soil and vent pipes for fittings</u>			
13	40mm Fittings	No	65
<b><u>DRIP TRAYS, TANKS, ETC</u></b>			
<u>"Jojo" or similar approved SG1 polyethylene drinking water tanks with black lining internally</u>			
14	2400 Litre circular tank 1420mm diameter x 1700mm high, approximately 300mm above ground level complete including fixing wires,bolts etc.	No	8
<b>Carried to Summary</b>			R
Bill No. 13 Plumbing and Drainage (Provisional) <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

Item No	<b><u>BILL NO 14</u></b>	Quantity	Rate	Amount
	<b><u>GLAZING</u></b>			
	<b><u>PREAMBLES</u></b>			
	The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Proprietary products in descriptions</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior tender closing written approval by the principal agent			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<u>4mm Clear float glass</u>			
1	Panes exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup>	m2	61	
	<b>Carried to Summary</b>		R	
	Bill No. 14 Glazing <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

Item No	Quantity	Rate	Amount
<b><u>BILL NO 15</u></b>			
<b><u>PAINTWORK</u></b>			
<p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>			
<p>Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Proprietary items or materials</u></b>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works</p>			
<b><u>SABS Specifications</u></b>			
<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</p>			
<p>Structural steel paint : SABS 684 Type B</p>			
<b>Carried Forward</b>		R	
<p>Bill No. 15          Paintwork  <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b></p>			

<b>Brought Forward</b>			R
	Wash primer (metal etch) : SABS 723		
	Varnish for interior use : SABS 887 Type I		
	Emulsion paints : SABS 1586		
<b><u>PAINTWORK ETC TO NEW WORK</u></b>			
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>			
	<u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>		
1	Walls	m2	670
<b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>		
2	Walls	m2	622
<b><u>ON PLASTERBOARD SURFACES</u></b>			
	<u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>		
3	Ceilings and cornices ("White" colour group)	m2	389
<b><u>ON FIBRE-CEMENT BOARD SURFACES</u></b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>		
4	Fascias and barge boards, including priming metal jointing strips	m2	72
<b><u>ON METAL SURFACES</u></b>			
	<u>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on steel</u>		
5	Door frames	m2	39
<b>Carried Forward</b>			R
Bill No. 15 Paintwork <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

<b>Brought Forward</b>			R
6	Windows  <u>One coat water based galvanised iron primer and two coats UV-resistant water based alkyd roof paint, on galvanised steel</u>	m2	122
7	IBR profile troughed roofs (measured on flat)  <b><u>ON WOOD SURFACES</u></b>  <u>One coat primer and two coats premium quality polyurethane enamel paint</u>	m2	495
8	Doors  <u>Three coats superior quality clear gloss varnish</u>	m2	103
9	Roof timbers at eaves and verges	m2	18
<b>Carried to Summary</b>			R
Bill No. 15 Paintwork <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

Item No	Quantity	Rate	Amount
<b><u>BILL NO 16</u></b>			
<b><u>PROVISIONAL SUMS</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<p>Work for which provisional sum are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said sums</p> <p>1.The following sums and amounts are NET.</p> <p>2. Under no circumstances may any Provisional Sum be extended at an amount lower than the amount given in the bill.</p> <p>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.</p> <p>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.</p>			
<b><u>PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS</u></b>			
<u>Electrical work (Philda)</u>			
1		Provide the sum of R10,000.00 (Ten Thousand Rands) for electrical work	10,000.00
2		Profit	%
3		Attendance	%
<b>Carried Forward</b>			R
Bill No. 16 Provisional Sums <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>			

<b>Brought Forward</b>		R
<u>Electrical work (Nozizwe)</u>		
4	Provide the sum of R10,000.00 (Ten Thousand Rands) for electrical work	10,000.00
5	Profit	%
6	Attendance	%
<u>Electrical work (Sibezula)</u>		
7	Provide the sum of R5,000.00 (Five Thousand Rands) for electrical work	5,000.00
8	Profit	%
9	Attendance	%
<u>Electrical work (Vuyani)</u>		
10	Provide the sum of R5,000.00 (Five Thousand Rands) for electrical work	5,000.00
11	Profit	%
12	Attendance	%
<u>Electrical work (Nosebenzile)</u>		
13	Provide the sum of R10,000.00 (Ten Thousand Rands) for electrical work	10,000.00
14	Profit	%
15	Attendance	%
<u>Electrical work (Nombonelo)</u>		
16	Provide the sum of R10,000.00 (Ten Thousand Rands) for electrical work	10,000.00
17	Profit	%
18	Attendance	%
<b>Carried to Summary</b>		R
Bill No. 16 Provisional Sums <b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>		

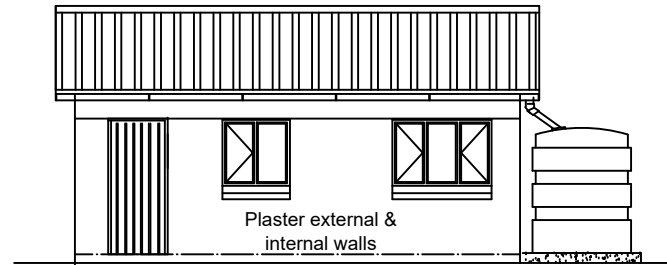
<b>Bill No</b>	<b><u>FINAL SUMMARY</u></b>	<b>Page No</b>	<b>Amount</b>
1	Preliminaries	33	
2	Earthworks (provisional)	39	
3	Concrete, formwork and reinforcement	43	
4	Masonry	47	
5	Waterproofing	49	
6	Roof coverings, claddings, etc.	51	
7	Carpentry and Joinery	55	
8	Ceilings, partitions and access flooring	58	
9	Ironmongery	60	
10	Metalwork	61	
11	Plastering	64	
12	Tiling	66	
13	Plumbing and Drainage (Provisional)	72	
14	Glazing	73	
15	Paintwork	76	
16	Provisional Sums	78	
	Sub-total		R
	<b><u>Contingencies</u></b>		
	Allow seven-and-a-half per cent (7.5%) of the above sub-total for contingencies to be used as directed and deducted in whole or in part if not required		R
	Sub-total		R
	<b>Carried Forward</b>		R
	<b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>		



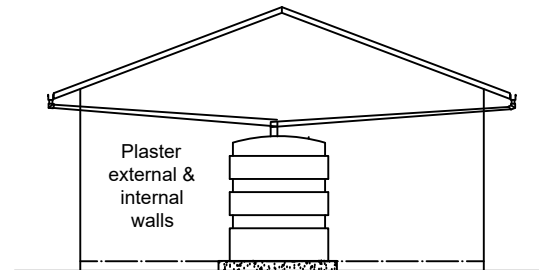
Bill No	<u>FINAL SUMMARY</u>	Page No	Amount
	<b>Brought Forward</b>		R
	Allow fifteen per cent (15%) of the above sub-total for Value Added Tax		R
	<b>Carried to Form of Tender</b>		R
	<b>Expropriation of Land and Relocation of Houses for the In-House Projects for New Roads Construction</b>		

# **ANNEXURE 2**

## **DESIGNS**



**BACK ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100

**SPECIFICATIONS:**

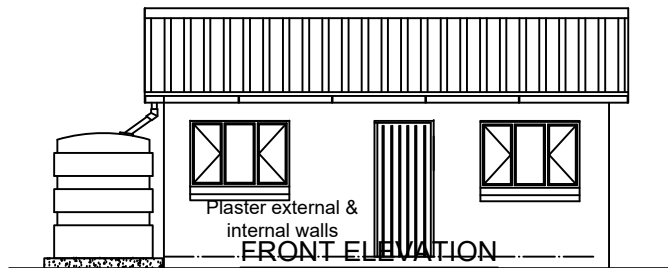
- 7. ROOF
  - 7.1 Cranked IBR roof sheeting or similar approved on trusses designed by specialist with SABS approved underlay.
  - 7.2 4mm Galv. roof anchor wires built-in min. 400mm deep into load-bearing wall with wall plate
- 8. GLAZING
  - 8.1 Glass area of less than 0.75 m<sup>2</sup> to be 3mm thick
  - 8.2 All glass more than 0.75 m<sup>2</sup> to be 4mm thick
  - 8.3 Glass to bathroom to be 4mm obscured glass
  - 8.4 All putty to be treated with a hardner and finished off with universal undercoat and 2 coats enamel based gloss paint to final colour and finish
  - 8.5 Glass to comply with SABS 0137

**GENERAL NOTES:**

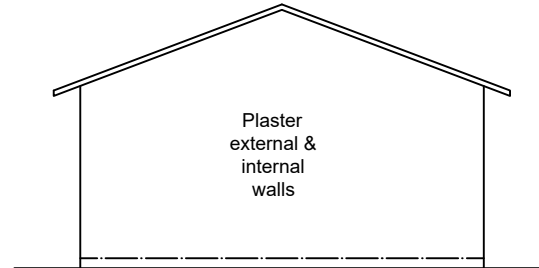
All building work to comply with SABS 0400  
 No dimensions to be scaled or scanned from the drawing  
 All dimensions to be checked on site  
 Where applicable the contractor is to check on site size of components to be manufactured prior to manufacture

**SPECIFICATIONS:**

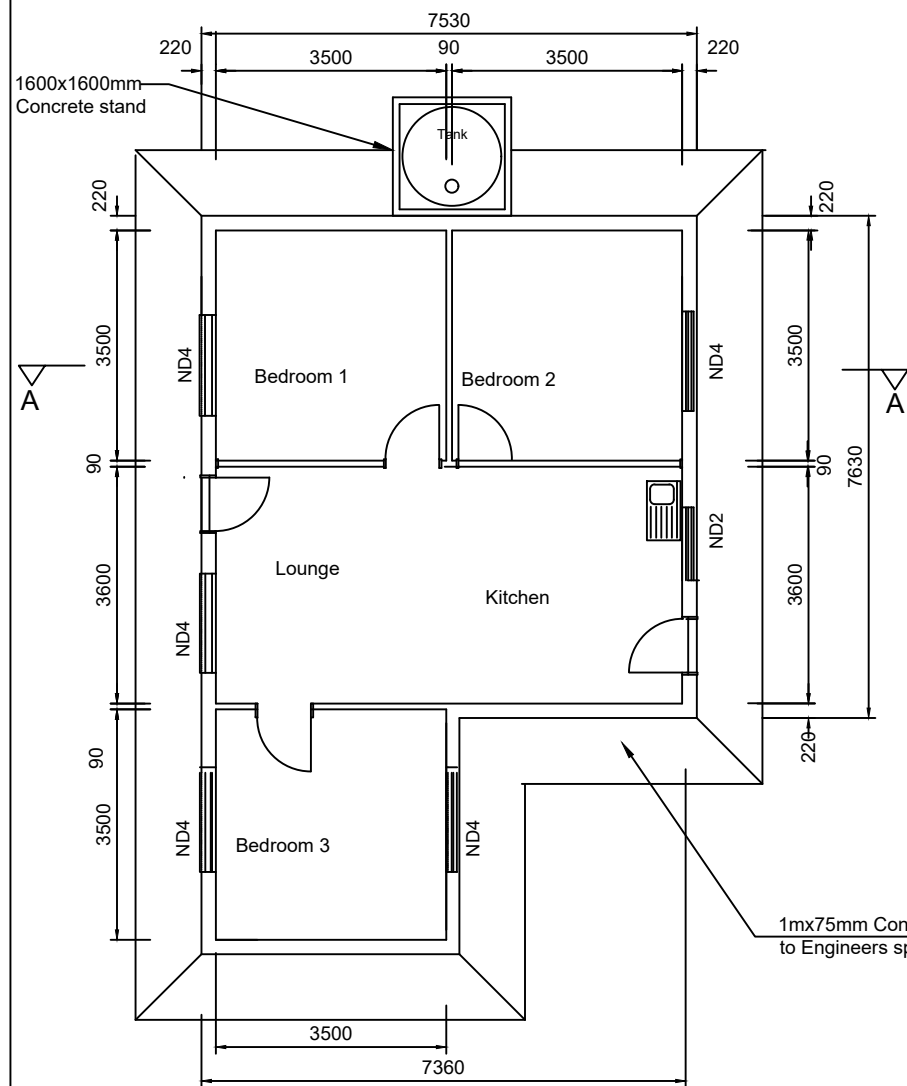
- 1. FOUNDATION
  - 1.1 Foundations to be as per Engineers design and specifications
  - 1.2 Foundation shall be inspected and certified by Engineer
- 2. WALLS
  - 2.1 External walls to be single leaf 140mm thick Concrete blocks (140x390x190) or similar approved (7MPa) on 375 micron dpc
  - 2.2 Internal walls to be 90mm thick Concrete blocks on flat (or 90x390x190mm high) or similar approved (7MPa) on 375 micron dpc
  - 2.3 2.8mm brickforce every 2nd course, as well as every course above windows and doors or as specified by Engineer
  - 2.4 Internal walls to be bonded to external wall every 2nd course with hoop iron (1.2x30x700mm) and brick-force as above
  - 2.5 Cement mortar mix for walls to be of 1:5 proportion by volume 2 bags cement (1 wheelbarrow) : 5 builders wheelbarrows sand
  - 2.6 External walls to be plastered and painted. Paint to be SABS approved PVA
  - 2.7 Internal walls to plastered and painted.
  - 2.8 A minimum of 2.5m ceiling height is required for all units
  - 2.9 Construct a 1000mm x 80mm thk Concrete Apron around the unit
- 3. DOORS AND WINDOWS FRAMES
  - 3.1 Clisco type steel window frames or similar approved
  - 3.2 For window sizes and quantities refer to approved drawings.
  - 3.3 Timber hollowcore internal doors on min. 1mm thick pressed steel door frame.
  - 3.4 1mm thick Pressed steel combination doors with 3 lever lockset and door frames to external walls.
  - 3.5 Window frames other than Clisco to comply with SABS 727
  - 3.6 ND type window frame to living room & bedrooms, NC type to kitchen and NE to bathroom.



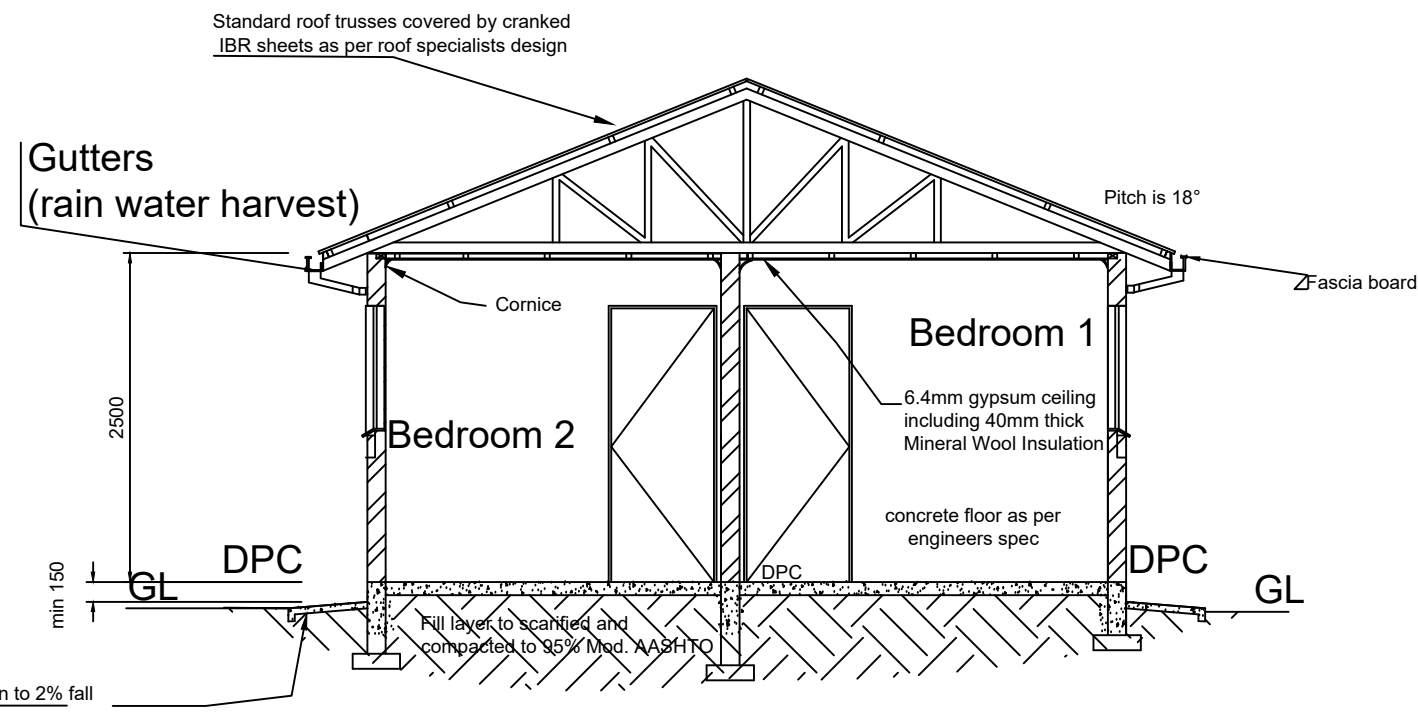
**FRONT ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100



**FLOOR PLAN**  
Scale 1:100



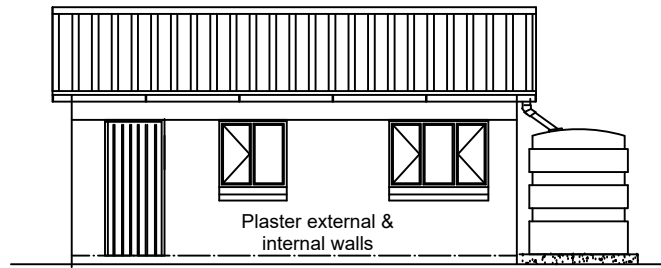
**CROSS SECTION A-A**  
Scale 1:50

REV	DATE	CHECKED	Project No:	Designed by:	D M
			Erf No:	Checked by:	R C
				Drawn by:	D M
				Checked by:	R C
				Drawing No:	HSE/IHCU/NZ/T01
				Scale:	As Shown

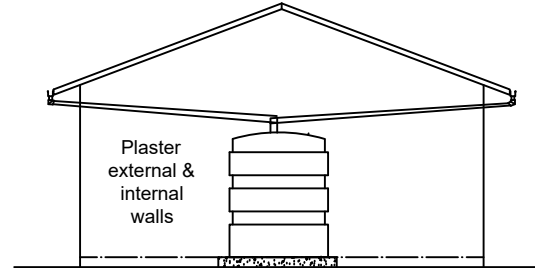
<b>EASTERN CAPE - DOT</b>	<b>CLIENT:</b> DEPARTMENT OF TRANSPORT	<b>CONTRACTOR/CONSULTANT:</b> DEPARTMENT OF TRANSPORT - INHOUSE CONSTRUCTION UNIT IHCU Tel: 046 602 8138 Fax: 086 666 7512	<b>BENEFICIARY</b> NOZIZWE ZIKHOLISILE  Signature:
<b>TYPICAL HOUSE PLAN</b>			
<b>AREA SCHEDULE = 71.0m<sup>2</sup></b>			

Consultant Signature:	
Pr No.:	Date.:
Client Signature:	Date.:

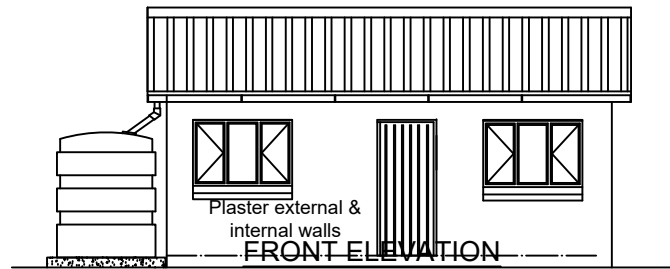
**FOR APPROVAL**



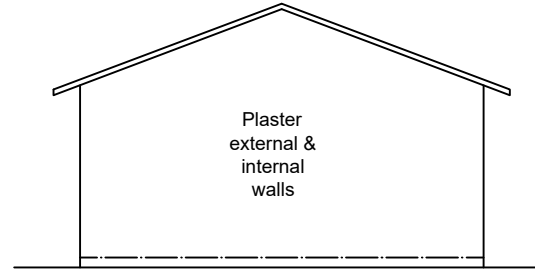
**BACK ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100



**FRONT ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100

**SPECIFICATIONS:**

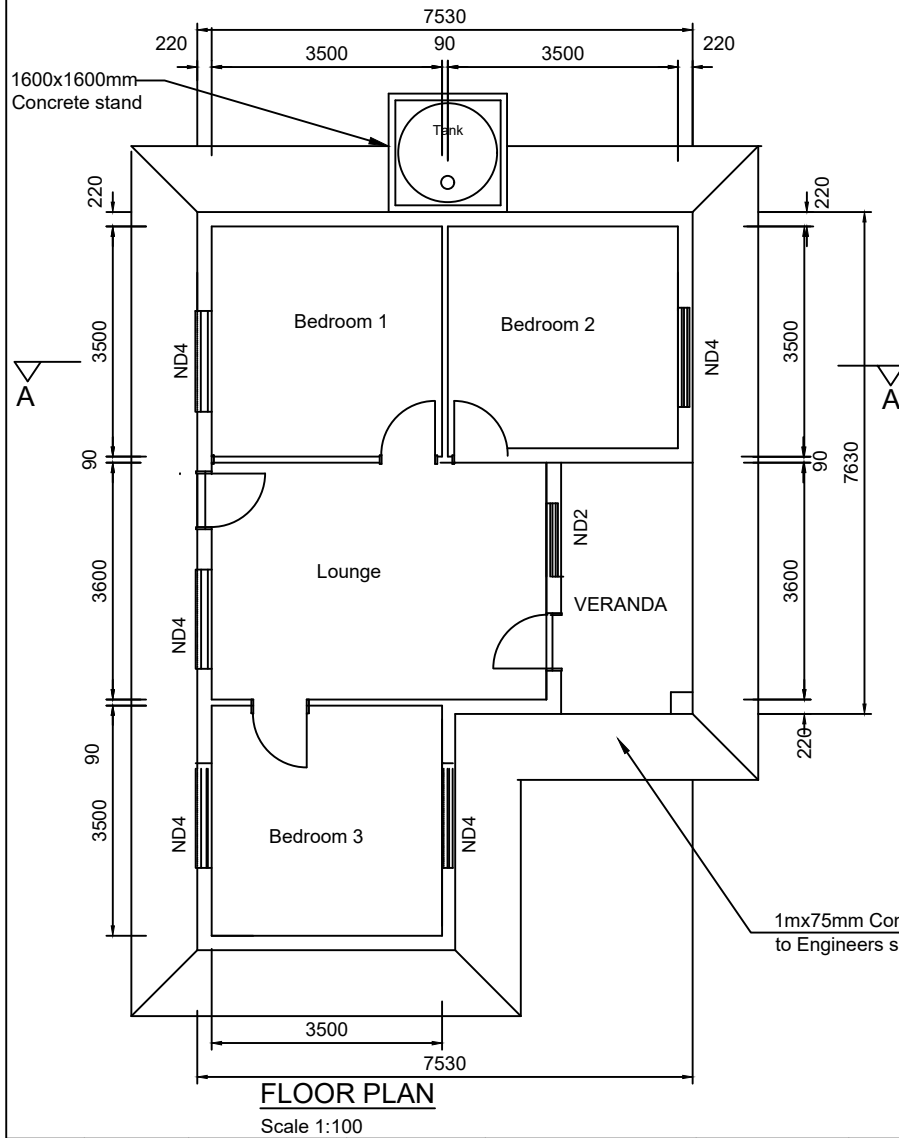
7. ROOF
  - 7.1 Cranked IBR roof sheeting or similar approved on trusses designed by specialist with SABS approved underlay.
  - 7.2 4mm Galv. roof anchor wires built-in min. 400mm deep into load-bearing wall with wall plate
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  - 8.1 Glass area of less than 0.75 m<sup>2</sup> to be 3mm thick
  - 8.2 All glass more than 0.75 m<sup>2</sup> to be 4mm thick
  - 8.3 Glass to bathroom to be 4mm obscured glass
  - 8.4 All putty to be treated with a hardner and finished off with universal undercoat and 2 coats enamel based gloss paint to final colour and finish
  - 8.5 Glass to comply with SABS 0137

**GENERAL NOTES:**

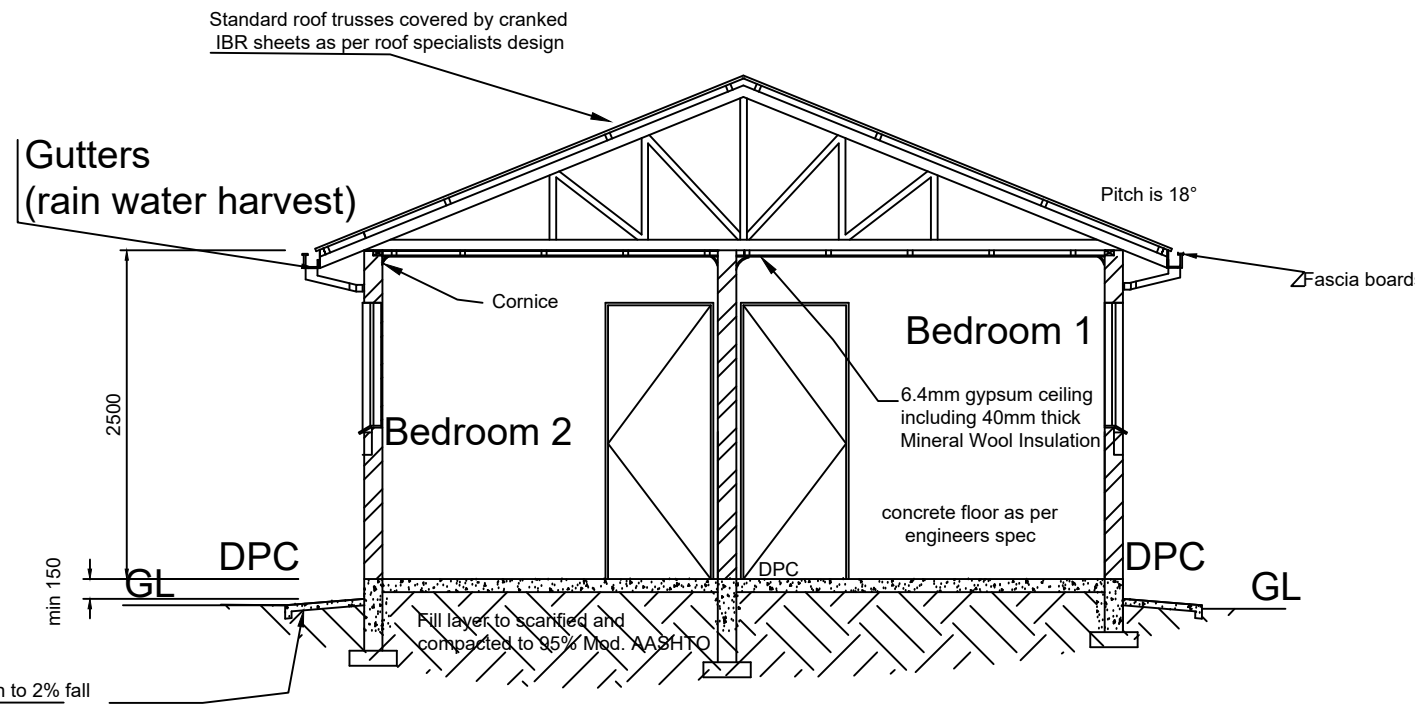
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  - 2.5 Cement mortar mix for walls to be of 1:5 proportion by volume  
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  - 2.6 External walls to be plastered and painted. Paint to be SABS approved PVA
  - 2.7 Internal walls to be plastered and painted.
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  - 2.9 Construct a 1000mm x 80mm thk Concrete Apron around the unit
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  - 3.3 Timber hollowcore internal doors on min. 1mm thick pressed steel door frame.
  - 3.4 1mm thick Pressed steel combination doors with 3 lever lockset and door frames to external walls.
  - 3.5 Window frames other than Clisco to comply with SABS 727
  - 3.6 ND type window frame to living room & bedrooms, NC type to kitchen and NE to bathroom.
4. FINISHES
  - 4.1 Floors to have a smooth steel-trowelled finish
  - 4.2 All steel doors and window frames, including concealed areas of these to be painted with 1 coat universal undercoat (oilbased) and 2 final coats enamel paint in addition to factory primer. Re-do red oxide primer if damaged
  - 4.3 Timber roof Purlins to be vanished with approved product
  - 4.4 All internal walls to be plastered and painted
  - 4.5 All external walls to have be plastered and painted
  - 4.6 Ceiling to be 6.4mm gypsum ceiling
5. WATER TANK
  - 5.1 2500L polythylene water tank on 150mm concrete slab to be tied down with chains in hose-pipe fix to hooks cast into concrete



**FLOOR PLAN**  
Scale 1:100



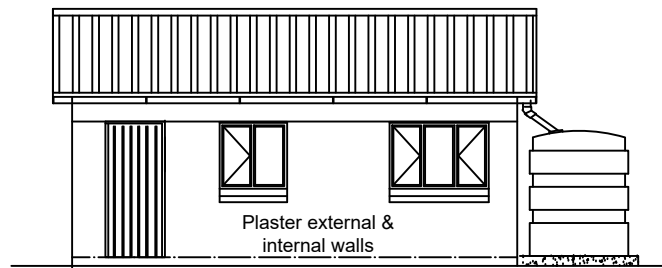
**CROSS SECTION A-A**  
Scale 1:50

REV	DATE	CHECKED	Project No:	Designed by:	D M
			Erf No:	Checked by:	R C
				Drawn by:	D M
				Checked by:	R C
				Drawing No:	HSE/IHCU/NP/T01
				Scale:	As Shown

<b>EASTERN CAPE - DOT</b>	<b>CLIENT:</b> DEPARTMENT OF TRANSPORT	<b>CONTRACTOR/CONSULTANT:</b> DEPARTMENT OF TRANSPORT - INHOUSE CONSTRUCTION UNIT IHCU Tel: 046 602 8138 Fax: 086 666 7512
<b>TYPICAL HOUSE PLAN FOR 3 BEDROOMED</b>		
<b>AREA SCHEDULE = 71.0m<sup>2</sup></b>		

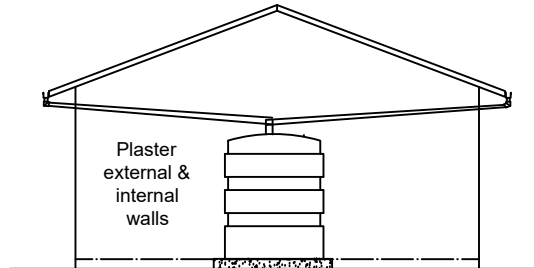
<b>FOR APPROVAL</b>	<b>BENEFICIARY</b> PHILDA NONTIBEKO MBONISWA  Signature:
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Consultant Signature:	Pr No.:	Date.:
Client Signature:		Date.:



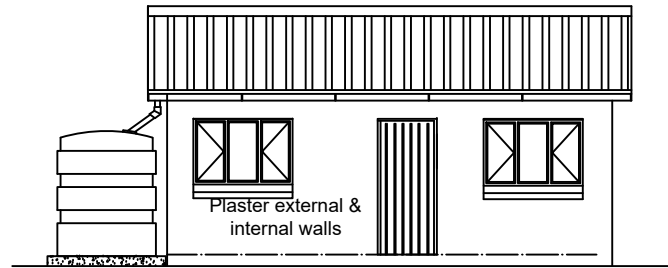
**BACK ELEVATION**

Scale 1:100



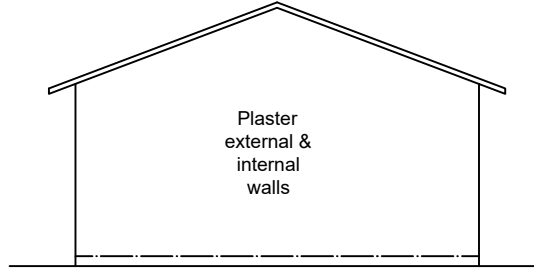
**SIDE ELEVATION**

Scale 1:100



**FRONT ELEVATION**

Scale 1:100



**SIDE ELEVATION**

Scale 1:100

**SPECIFICATIONS:**

- 7. ROOF
  - 7.1 Cranked IBR roof sheeting or similar approved on trusses designed by specialist with SABS approved underlay.
  - 7.2 4mm Galv. roof anchor wires built-in min. 400mm deep into load-bearing wall with wall plate
- 8. GLAZING
  - 8.1 Glass area of less than 0.75 m<sup>2</sup> to be 3mm thick
  - 8.2 All glass more than 0.75 m<sup>2</sup> to be 4mm thick
  - 8.3 Glass to bathroom to be 4mm obscured glass
  - 8.4 All putty to be treated with a hardener and finished off with universal undercoat and 2 coats enamel based gloss paint to final colour and finish
  - 8.5 Glass to comply with SABS 0137

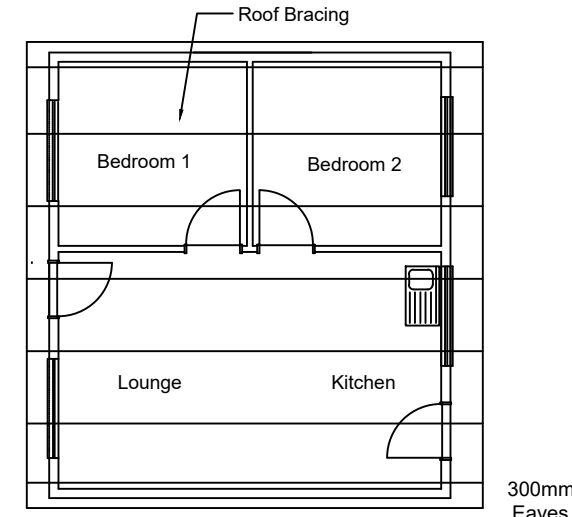
**GENERAL NOTES:**

All building work to comply with SABS 0400  
 No dimensions to be scaled or scanned from the drawing  
 All dimensions to be checked on site  
 Where applicable the contractor is to check on site size of components to be manufactured prior to manufacture

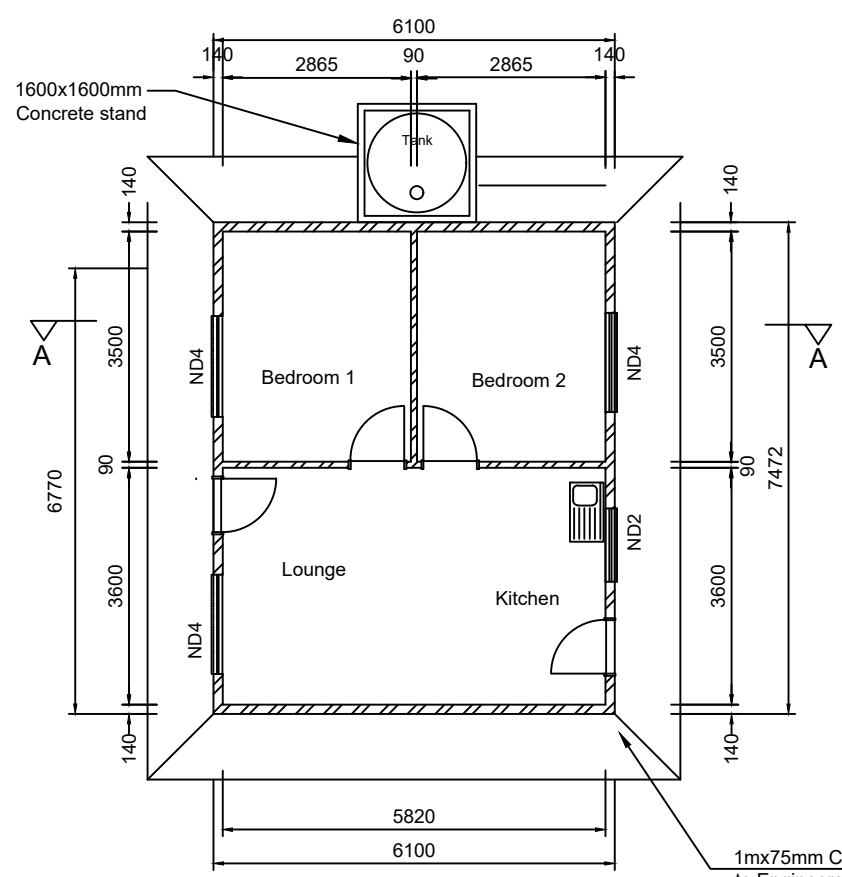
**SPECIFICATIONS:**

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  - 2.2 Internal walls to be 90mm thick Concrete blocks on flat (or 90x390x190mm high) or similar approved (7MPa) on 375 micron dpc
  - 2.3 2.8mm brickforce every 2nd course, as well as every course above windows and doors or as specified by Engineer
  - 2.4 Internal walls to be bonded to external wall every 2nd course with hoop iron (1.2x30x700mm) and brick-force as above
  - 2.5 Cement mortar mix for walls to be of 1:5 proportion by volume 2 bags cement (1 wheelbarrow) : 5 builders wheelbarrows sand
  - 2.6 External walls to be plastered and painted. Paint to be SABS approved PVA
  - 2.7 Internal walls to be plastered and painted.
  - 2.8 A minimum of 2.5m ceiling height is required for all units
  - 2.9 Construct a 1000mm x 80mm thk Concrete Apron around the unit
- 3. DOORS AND WINDOWS FRAMES
  - 3.1 Clisco type steel window frames or similar approved
  - 3.2 For window sizes and quantities refer to approved drawings.
  - 3.3 Timber hollowcore internal doors on min. 1mm thick pressed steel door frame.
  - 3.4 1mm thick Pressed steel combination doors with 3 lever lockset and door frames to external walls.
  - 3.5 Window frames other than Clisco to comply with SABS 727
  - 3.6 ND type window frame to living room & bedrooms, NC type to kitchen and NE to bathroom.
- 4. FINISHES
  - 4.1 Floors to have a smooth steel-trowelled finish
  - 4.2 All steel doors and window frames, including concealed areas of these to be painted with 1 coat universal undercoat (oilbased and 2 final coats enamel paint in addition to factory primer. Re-do red oxide primer if damaged
  - 4.3 Timber roof Purlins to be vanished with approved product
  - 4.4 All internal walls to be plastered and painted
  - 4.5 All external walls to have be plastered and painted
  - 4.6 Ceiling to be 6.4mm gypsum ceiling
- 5. WATER TANK
  - 5.1 2500L polythylene water tank on 150mm concrete slab to be tied down with chains in hose-pipe fix to hooks cast into concrete

150mm Max overhang

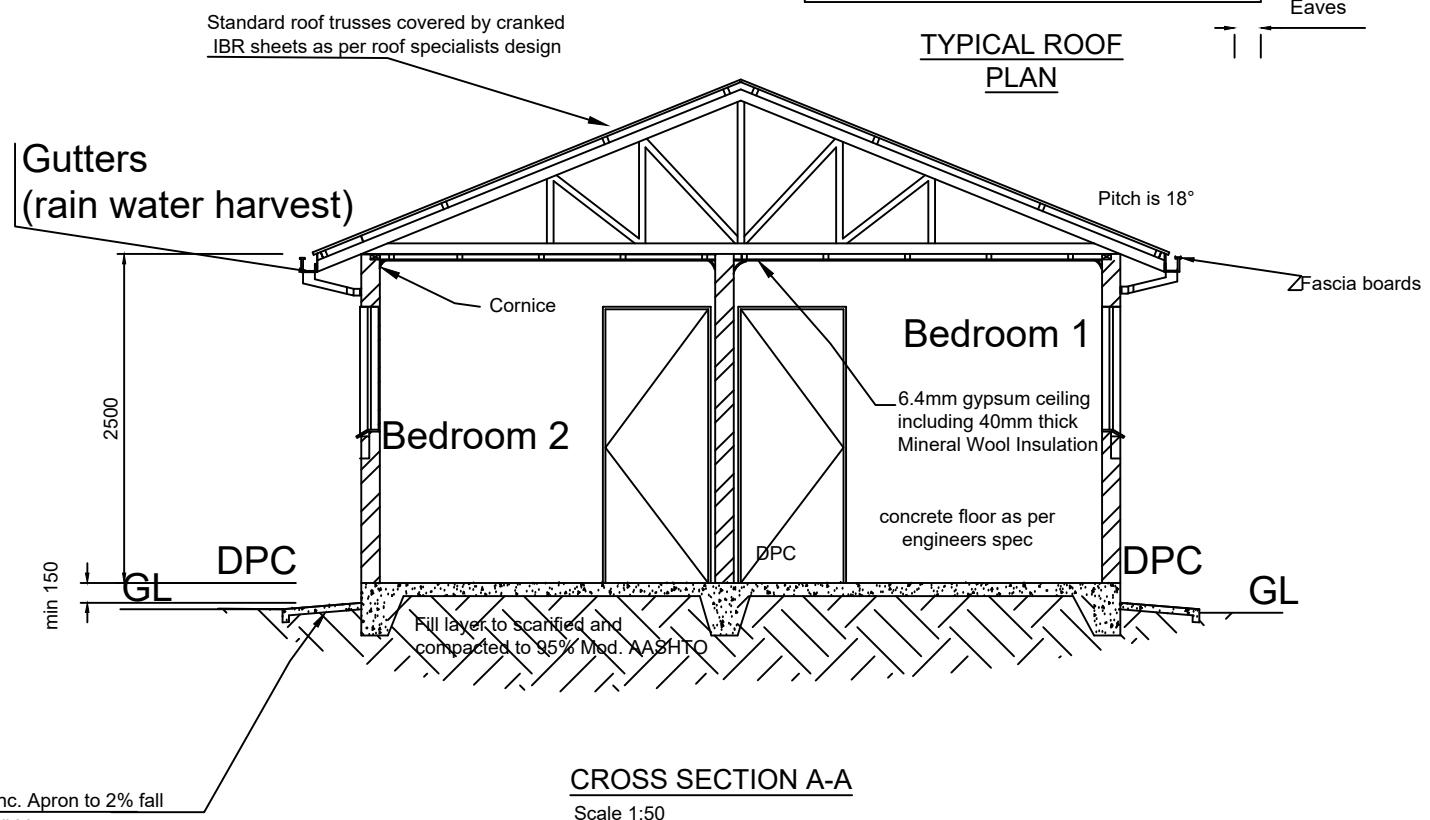


**TYPICAL ROOF PLAN**



**FLOOR PLAN**

Scale 1:100



**CROSS SECTION A-A**

Scale 1:50

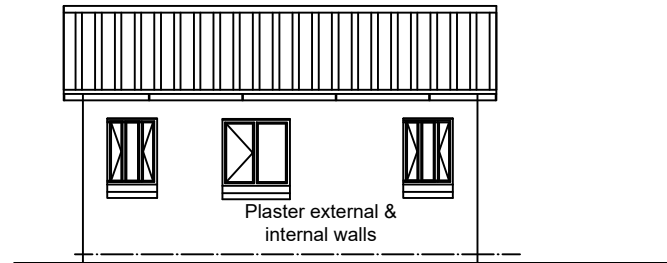
REV	DATE	CHECKED	Project No:	Designed by:	D M
			Erf No:	Checked by:	R C
				Drawn by:	D M
				Checked by:	R C
				Drawing No:	RDP/IHCU/SM/T01
				Scale:	As Shown

<b>EASTERN CAPE - DOT</b>	
<b>TYPICAL HOUSE PLAN FOR RDP</b>	
<b>AREA SCHEDULE = 45.0m<sup>2</sup></b>	

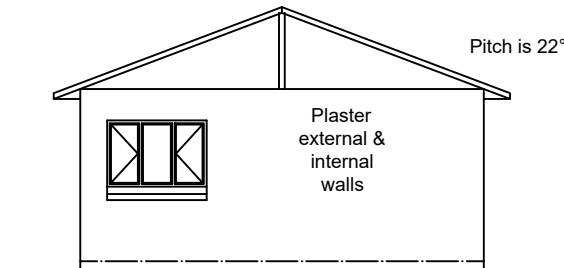
<b>CLIENT:</b>	<b>CONTRACTOR/CONSULTANT:</b>
DEPARTMENT OF TRANSPORT	DEPARTMENT OF TRANSPORT - INHOUSE CONSTRUCTION UNIT IHCU Tel: 046 602 8138 Fax: 086 666 7512

Consultant Signature:	Date.:
Pr No.:	Date.:
Client Signature:	Date.:

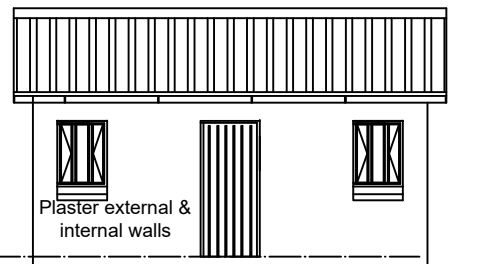
<b>FOR APPROVAL</b>	
BENEFICIARY SIBEZULA MAHLALA	
Signature:	



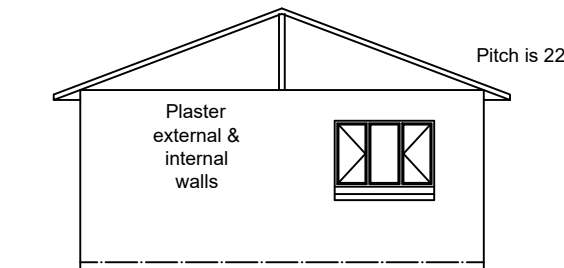
**BACK ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100



**FRONT ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100

**SPECIFICATIONS:**

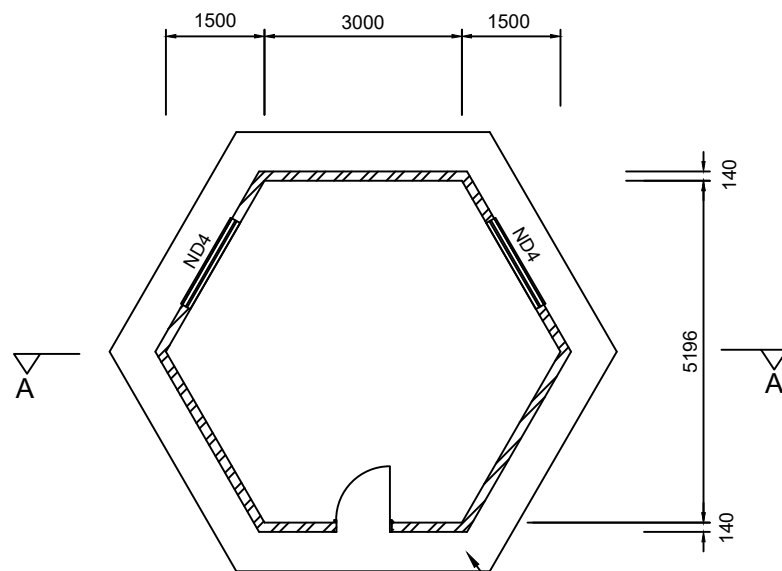
- 7. ROOF
  - 7.1 Cranked IBR roof sheeting or similar approved on trusses designed by specialist with SABS approved underlay.
  - 7.2 4mm Galv. roof anchor wires built-in min. 400mm deep into load-bearing wall with wall plate
- 8. GLAZING
  - 8.1 Glass area of less than 0.75 m<sup>2</sup> to be 3mm thick
  - 8.2 All glass more than 0.75 m<sup>2</sup> to be 4mm thick
  - 8.3 Glass to bathroom to be 4mm obscured glass
  - 8.4 All putty to be treated with a hardner and finished off with universal undercoat and 2 coats enamel based gloss paint to final colour and finish
  - 8.5 Glass to comply with SABS 0137

**GENERAL NOTES:**

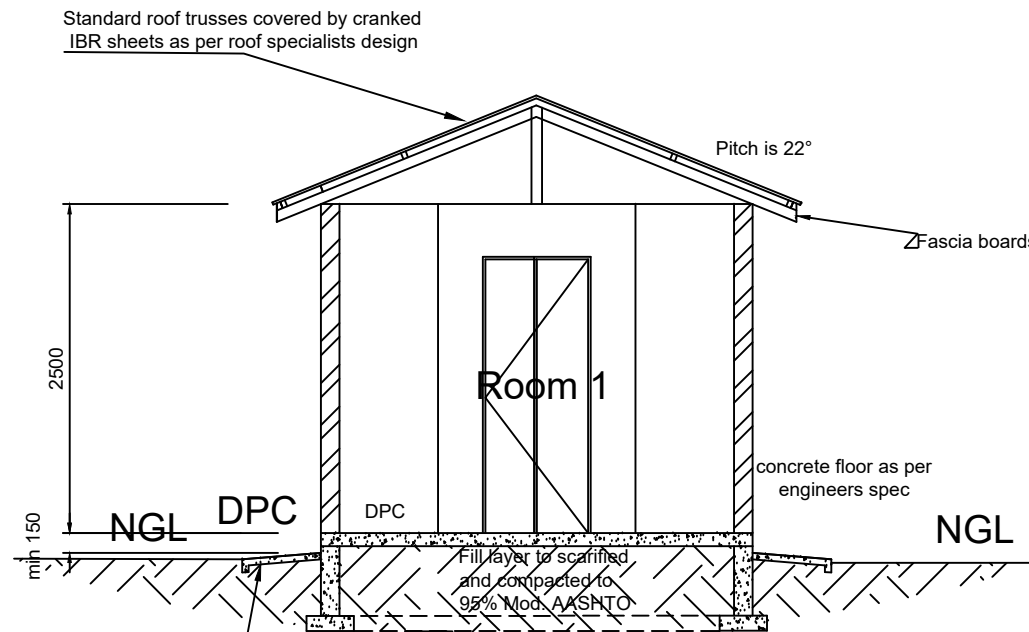
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  - 2.4 Internal walls to be bonded to external wall every 2nd course with hoop iron (1.2x30x700mm) and brick-force as above
  - 2.5 Cement mortar mix for walls to be of 1:5 proportion by volume 2 bags cement (1 wheelbarrow) : 5 builders wheelbarrows sand
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  - 4.3 Timber roof Purlins to be varnished with approved product
  - 4.4 All internal walls to be plastered and painted
  - 4.5 All external walls to have be plastered and painted
  - 4.6 Ceiling where required to be 6.4mm gypsum ceiling



**FLOOR PLAN**  
Scale 1:100



**CROSS SECTION A-A**  
Scale 1:50

1mx75mm Conc. Apron to 2% fall to Engineers spec

Consultant Signature:

Pr No.:

Date.:

Client Signature:

Date.:

**FOR APPROVAL**

REV	DATE	CHECKED	Project No:	Designed by:	DM
			Erf No:	Checked by:	RC
				Drawn by:	DM
				Checked by:	R C
				Drawing No:	HSE/IHCU/VM/T01
				Scale:	As Shown

EASTERN CAPE - DOT

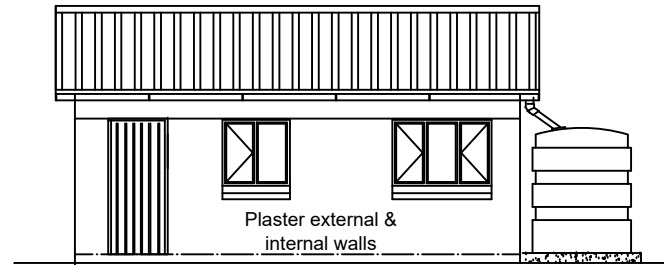
TYPICAL HOUSE PLAN

AREA SCHEDULE = 25.97m<sup>2</sup>

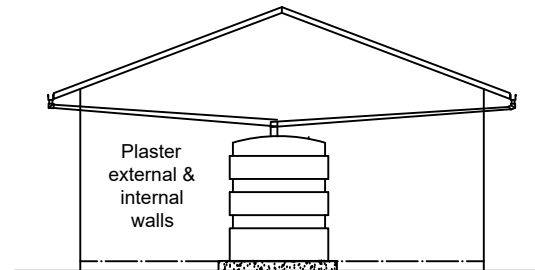
CLIENT:  
DEPARMENT OF  
TRANSPORT

CONTRACTOR/CONSULTANT:  
DEPARTMENT OF  
TRANSPORT - INHOUSE  
CONSTRUCTION UNIT  
IHCU  
Tel: 046 602 8138  
Fax: 086 666 7512

BENEFICIARY  
VUYANI MPHEHLELELI  
Signature:



**BACK ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100

**SPECIFICATIONS:**

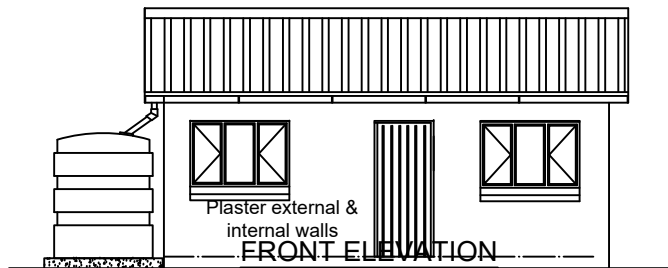
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  - 8.5 Glass to comply with SABS 0137

**GENERAL NOTES:**

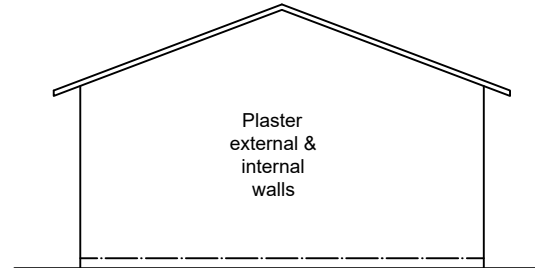
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**SPECIFICATIONS:**

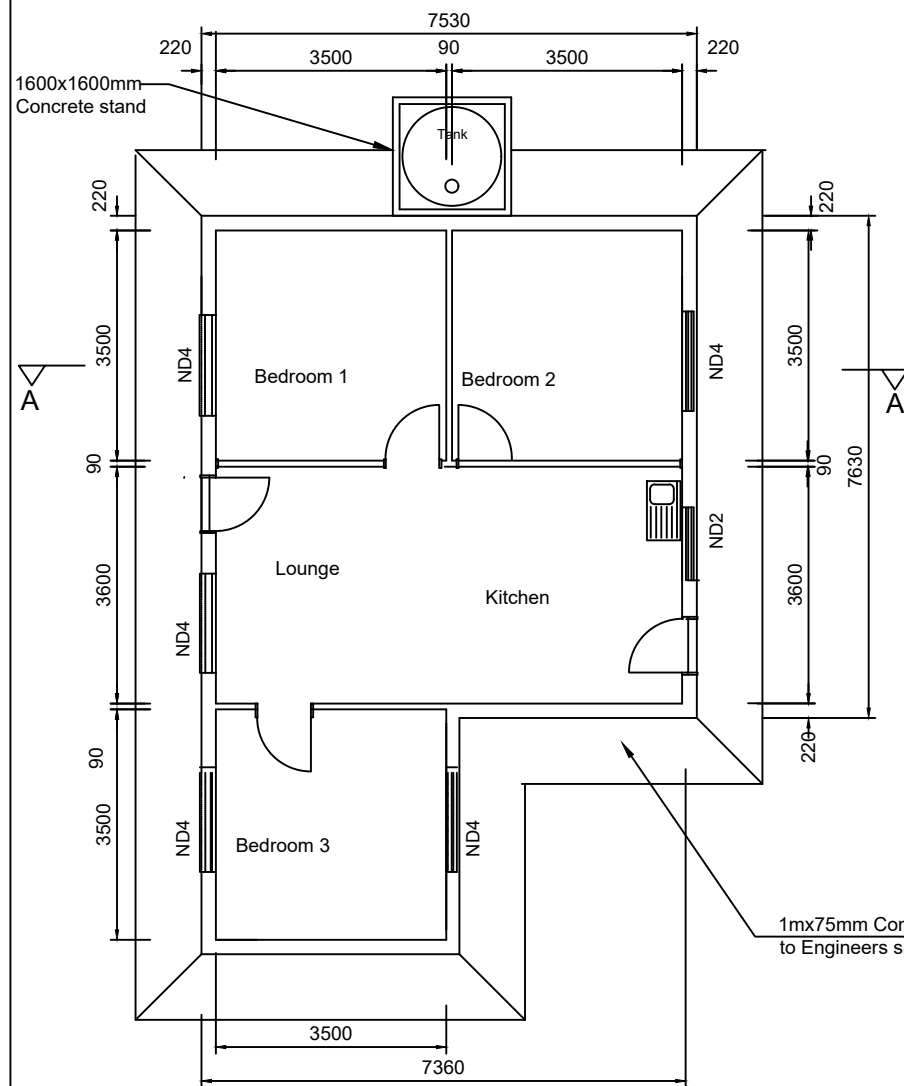
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  - 2.7 Internal walls to plastered and painted.
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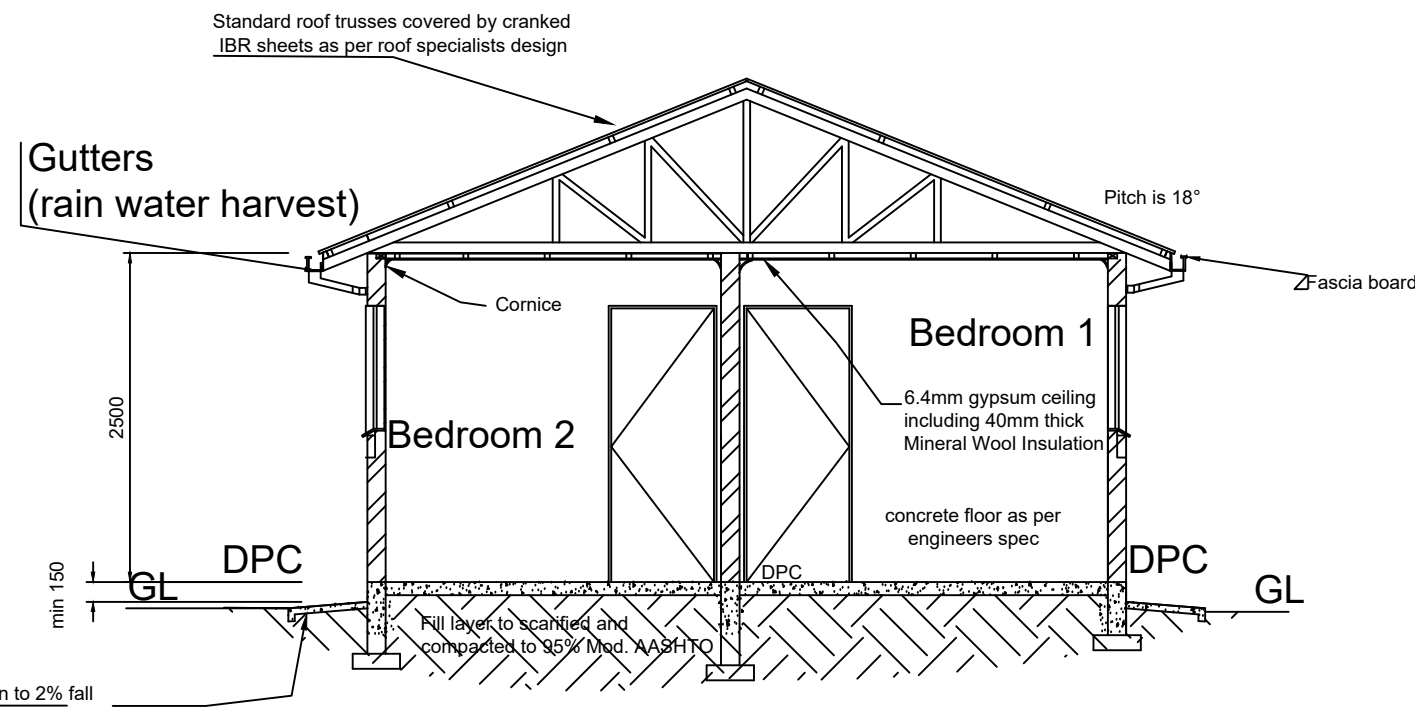
**FRONT ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100



**FLOOR PLAN**  
Scale 1:100



**CROSS SECTION A-A**  
Scale 1:50

**4. FINISHES**

- 4.1 Floors to have a smooth steel-trowelled finish
- 4.2 All steel doors and window frames, including concealed areas of these to be painted with 1 coat universal undercoat (oilbased and 2 final coats enamel paint in addition to factory primer. Re-do red oxide primer if damaged
- 4.3 Timber roof Purlins to be varnished with approved product
- 4.4 All internal walls to be plastered and painted
- 4.5 All external walls to have be plastered and painted
- 4.6 Ceiling to be 6.4mm gypsum ceiling

**5. WATER TANK**

- 5.1 2500L polythylene water tank on 150mm concrete slab to be tied down with chains in hose-pipe fix to hooks cast into concrete

Consultant Signature:

Pr No.:

Date.:

Client Signature:

Date.:

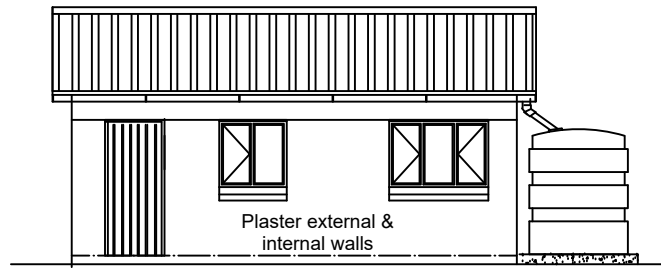
**FOR APPROVAL**

REV	DATE	CHECKED	Project No:	Designed by:	D M
			Erf No:	Checked by:	R C
				Drawn by:	D M
				Checked by:	R C
				Drawing No:	HSE/IHCU/NN/T01
				Scale:	As Shown

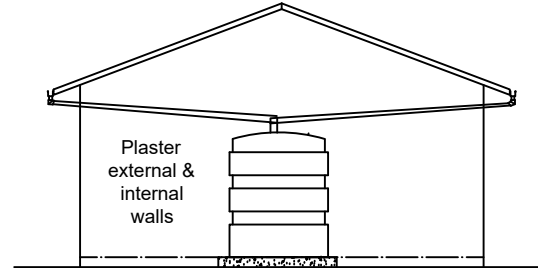
<b>EASTERN CAPE - DOT</b>	<b>CLIENT:</b> DEPARTMENT OF TRANSPORT
<b>TYPICAL HOUSE PLAN FOR 4 ROOMED</b>	
<b>AREA SCHEDULE = 71.0m<sup>2</sup></b>	

<b>CONTRACTOR/CONSULTANT:</b> DEPARTMENT OF TRANSPORT - INHOUSE CONSTRUCTION UNIT IHCU Tel: 046 602 8138 Fax: 086 666 7512
--

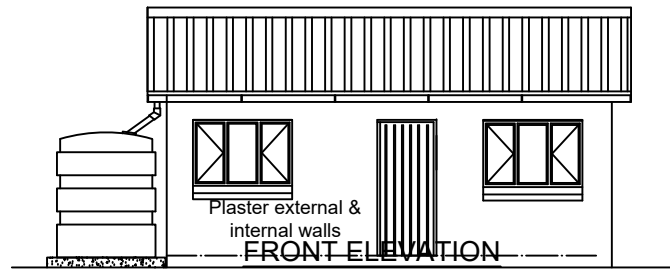
<b>BENEFICIARY</b> NOSEBENZILE NGEXE  Signature:
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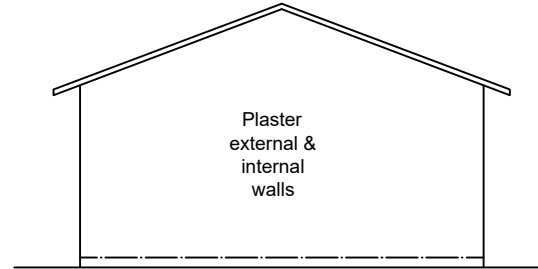
**BACK ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100



**FRONT ELEVATION**  
Scale 1:100



**SIDE ELEVATION**  
Scale 1:100

**SPECIFICATIONS:**

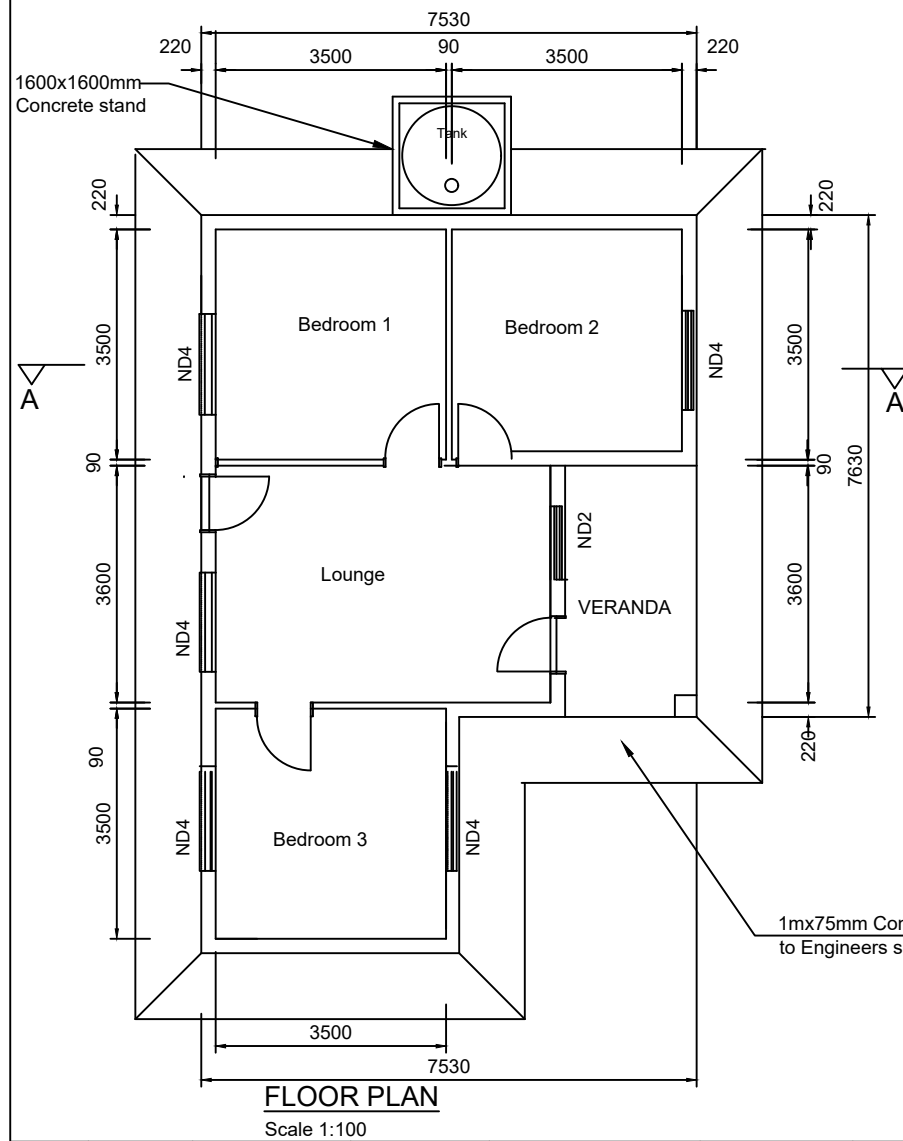
7. ROOF
  - 7.1 Cranked IBR roof sheeting or similar approved on trusses designed by specialist with SABS approved underlay.
  - 7.2 4mm Galv. roof anchor wires built-in min. 400mm deep into load-bearing wall with wall plate
8. GLAZING
  - 8.1 Glass area of less than 0.75 m<sup>2</sup> to be 3mm thick
  - 8.2 All glass more than 0.75 m<sup>2</sup> to be 4mm thick
  - 8.3 Glass to bathroom to be 4mm obscured glass
  - 8.4 All putty to be treated with a hardner and finished off with universal undercoat and 2 coats enamel based gloss paint to final colour and finish
  - 8.5 Glass to comply with SABS 0137

**GENERAL NOTES:**

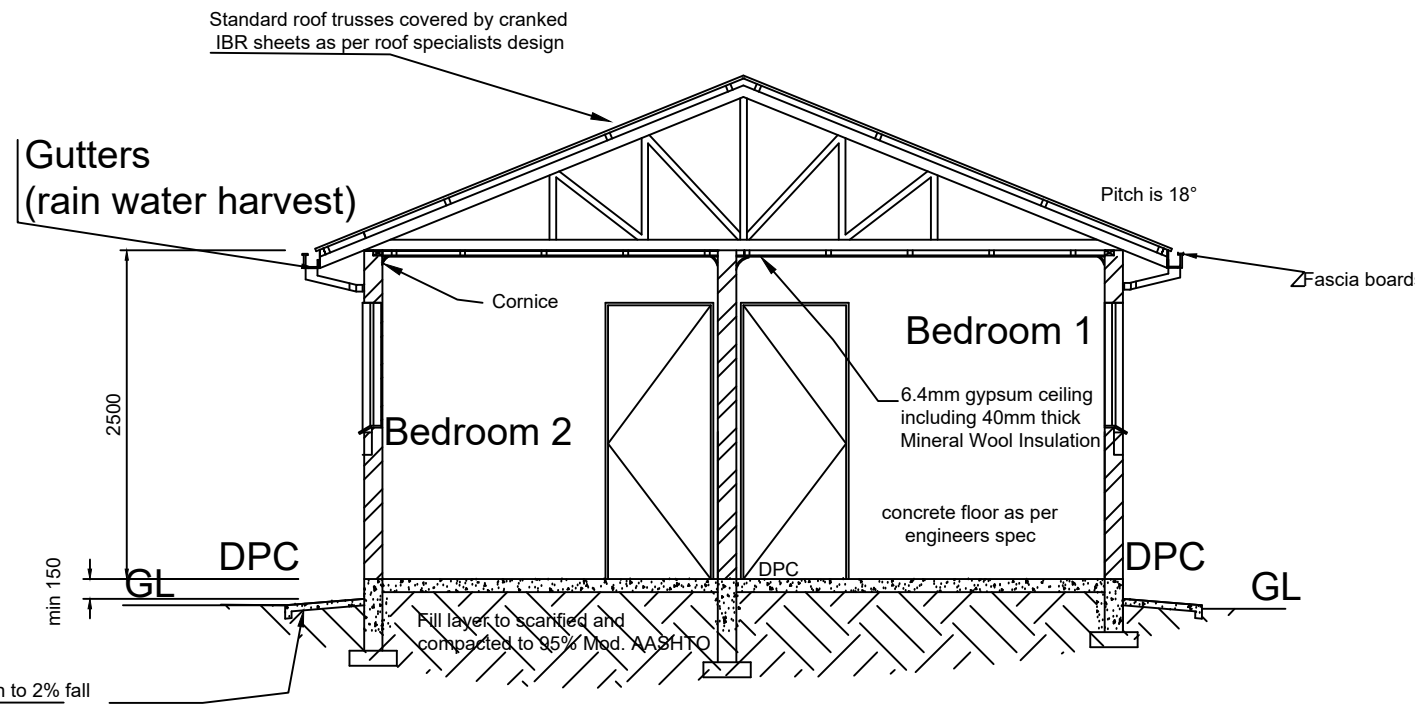
All building work to comply with SABS 0400  
No dimensions to be scaled or scanned from the drawing  
All dimensions to be checked on site  
Where applicable the contractor is to check on site size of components to be manufactured prior to manufacture

**SPECIFICATIONS:**

1. FOUNDATION
  - 1.1 Foundations to be as per Engineers design and specifications
  - 1.2 Foundation shall be inspected and certified by Engineer
2. WALLS
  - 2.1 External walls to be single leaf 140mm thick Concrete blocks (140x390x190) or similar approved (7MPa) on 375 micron dpc
  - 2.2 Internal walls to be 90mm thick Concrete blocks on flat (or 90x390x190mm high) or similar approved (7MPa) on 375 micron dpc
  - 2.3 2.8mm brickforce every 2nd course, as well as every course above windows and doors or as specified by Engineer
  - 2.4 Internal walls to be bonded to external wall every 2nd course with hoop iron (1.2x30x700mm) and brick-force as above
  - 2.5 Cement mortar mix for walls to be of 1:5 proportion by volume  
2 bags cement (1 wheelbarrow) : 5 builders wheelbarrows sand
  - 2.6 External walls to be plastered and painted. Paint to be SABS approved PVA
  - 2.7 Internal walls to be plastered and painted.
  - 2.8 A minimum of 2.5m ceiling height is required for all units
  - 2.9 Construct a 1000mm x 80mm thk Concrete Apron around the unit
3. DOORS AND WINDOWS FRAMES
  - 3.1 Clisco type steel window frames or similar approved
  - 3.2 For window sizes and quantities refer to approved drawings.
  - 3.3 Timber hollowcore internal doors on min. 1mm thick pressed steel door frame.
  - 3.4 1mm thick Pressed steel combination doors with 3 lever lockset and door frames to external walls.
  - 3.5 Window frames other than Clisco to comply with SABS 727
  - 3.6 ND type window frame to living room & bedrooms, NC type to kitchen and NE to bathroom.
4. FINISHES
  - 4.1 Floors to have a smooth steel-trowelled finish
  - 4.2 All steel doors and window frames, including concealed areas of these to be painted with 1 coat universal undercoat (oilbased) and 2 final coats enamel paint in addition to factory primer. Re-do red oxide primer if damaged
  - 4.3 Timber roof Purlins to be vanished with approved product
  - 4.4 All internal walls to be plastered and painted
  - 4.5 All external walls to have be plastered and painted
  - 4.6 Ceiling to be 6.4mm gypsum ceiling
5. WATER TANK
  - 5.1 2500L polythylene water tank on 150mm concrete slab to be tied down with chains in hose-pipe fix to hooks cast into concrete



**FLOOR PLAN**  
Scale 1:100



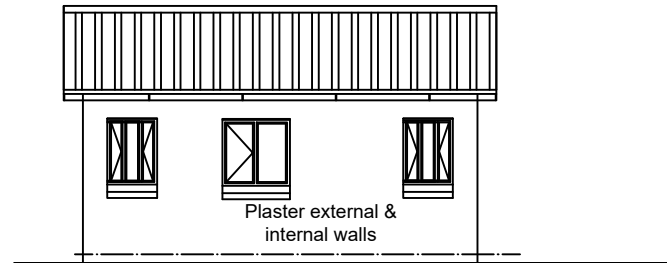
**CROSS SECTION A-A**  
Scale 1:50

REV	DATE	CHECKED	Project No:	Designed by:	D M
			Erf No:	Checked by:	R C
				Drawn by:	D M
				Checked by:	R C
				Drawing No:	HSE/IHCU/NM/T01
				Scale:	As Shown

<b>EASTERN CAPE - DOT</b>	<b>CLIENT:</b> DEPARTMENT OF TRANSPORT	<b>CONTRACTOR/CONSULTANT:</b> DEPARTMENT OF TRANSPORT - INHOUSE CONSTRUCTION UNIT IHCU Tel: 046 602 8138 Fax: 086 666 7512
<b>TYPICAL HOUSE PLAN FOR 3 BEDROOMED</b>		
<b>AREA SCHEDULE = 71.0m<sup>2</sup></b>		

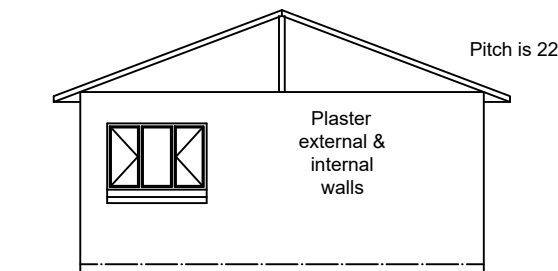
<b>FOR APPROVAL</b>	<b>BENEFICIARY</b> NOMBONENO MHLAKULO
Consultant Signature:	Signature:
Pr No.:	Date.:
Client Signature:	Date.:





**BACK ELEVATION**

Scale 1:100



**SIDE ELEVATION**

Scale 1:100

**SPECIFICATIONS:**

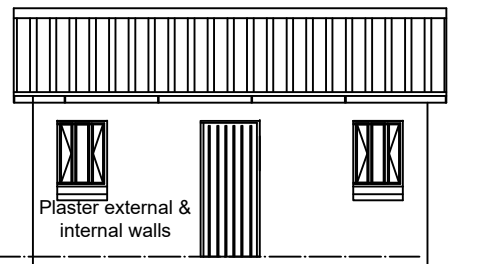
- 7. ROOF
  - 7.1 Cranked IBR roof sheeting or similar approved on trusses designed by specialist with SABS approved underlay.
  - 7.2 4mm Galv. roof anchor wires built-in min. 400mm deep into load-bearing wall with wall plate
- 8. GLAZING
  - 8.1 Glass area of less than 0.75 m<sup>2</sup> to be 3mm thick
  - 8.2 All glass more tha 0.75 m<sup>2</sup> to be 4mm thick
  - 8.3 Glass to bathroom to be 4mm obscured glass
  - 8.4 All putty to be treated with a hardner and finished off with universal undercoat and 2 coats enamel based gloss paint to final colour and finish
  - 8.5 Glass to comply with SABS 0137

**GENERAL NOTES:**

All building work to comply with SABS 0400  
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 All dimensions to be checked on site  
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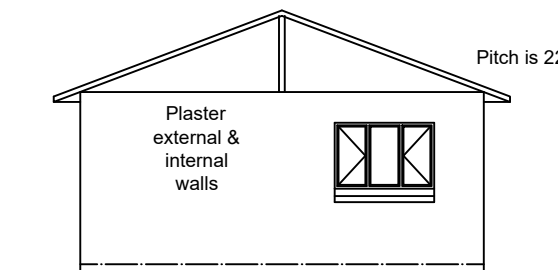
**SPECIFICATIONS:**

- 1. FOUNDATION
  - 1.1 Foundations to be as per Engineers design and specifications
  - 1.2 Foundation shall be inspected and certified by Engineer
- 2. WALLS
  - 2.1 External walls to be single leaf 140mm thick Concrete blocks (140x390x190) or similar approved (7MPa) on 375 micron dpc
  - 2.2 Internal walls to be 90mm thick Concrete blocks on flat (or 90x390x190mm high) or similar approved (7MPa) on 375 micron dpc
  - 2.3 2.8mm brickforce every 2nd course, as well as every course above windows and doors or as specified by Engineer
  - 2.4 Internal walls to be bonded to external wall every 2nd course with hoop iron (1.2x30x700mm) and brick-force as above
  - 2.5 Cement mortar mix for walls to be of 1:5 proportion by volume 2 bags cement (1 wheelbarrow) : 5 builders wheelbarrows sand
  - 2.6 External walls to be plastered and painted. Paint to be SABS approved PVA
  - 2.7 Internal walls to plastered and painted.
  - 2.8 A minimum of 2.5m ceiling height is required for all units
  - 2.9 Construct a 1000mm x 80mm thk Concrete Apron around the unit
- 3. DOORS AND WINDOWS FRAMES
  - 3.1 Clisco type steel window frames or similar approved
  - 3.2 For window sizes and quantities refer to approved drawings.
  - 3.3 Timber hollowcore internal doors on min. 1mm thick pressed steel door frame.
  - 3.4 1mm thick Pressed steel combination doors with 3 lever lockset and door frames to external walls.
  - 3.5 Window frames other than Clisco to comply with SABS 727
  - 3.6 ND type window frame to living room & bedrooms, NC type to kitchen and NE to bathroom.
- 4. FINISHES
  - 4.1 Floors to have a smooth steel-trowelled finish
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  - 4.4 All internal walls to be plastered and painted
  - 4.5 All external walls to have be plastered and painted
  - 4.6 Ceiling where required to be 6.4mm gypsum ceiling



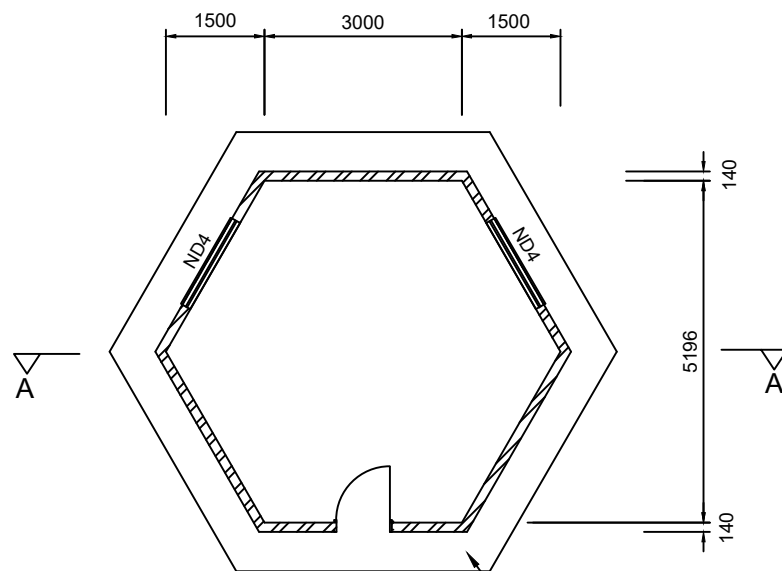
**FRONT ELEVATION**

Scale 1:100



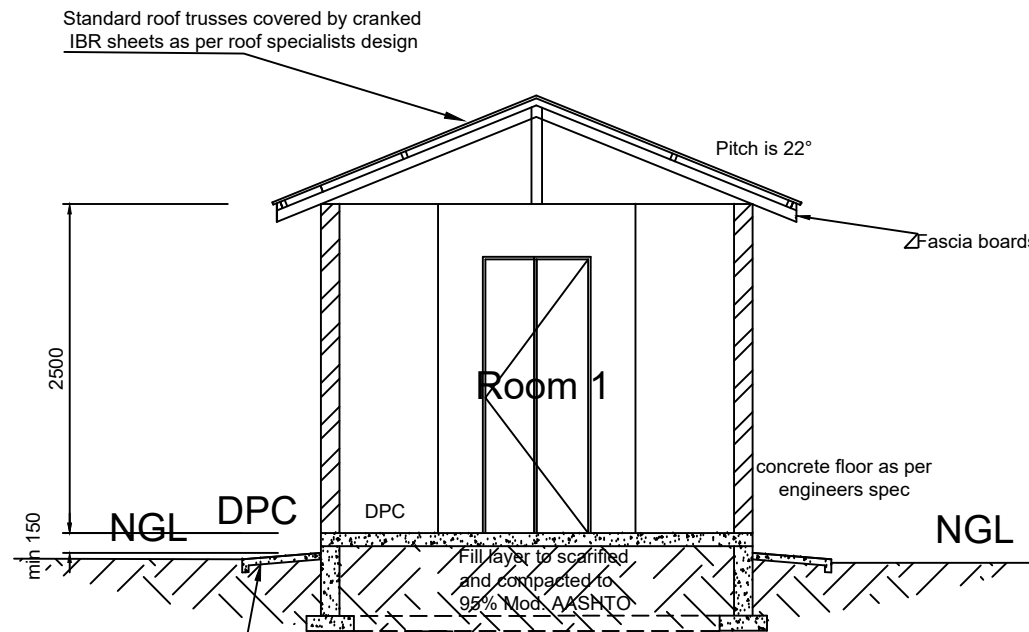
**SIDE ELEVATION**

Scale 1:100



**FLOOR PLAN**

Scale 1:100



**CROSS SECTION A-A**

Scale 1:50

1mx75mm Conc. Apron to 2% fall to Engineers spec

Consultant Signature: \_\_\_\_\_ Pr No.: \_\_\_\_\_ Date.: \_\_\_\_\_  
 Client Signature: \_\_\_\_\_ Date.: \_\_\_\_\_

**FOR APPROVAL**

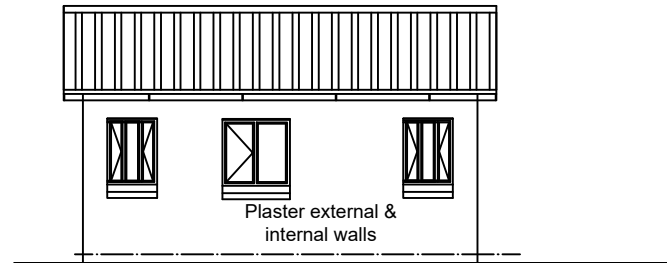
REV	DATE	CHECKED	Project No:	Designed by:	DM
			Erf No:	Checked by:	RC
				Drawn by:	DM
				Checked by:	R C
				Drawing No:	HSE/IHCU/NN/T02
				Scale:	As Shown

**EASTERN CAPE - DOT**  
**TYPICAL 6 CORER RONDAVEL HOUSE PLAN**  
 AREA SCHEDULE = 25.97m<sup>2</sup>

CLIENT:  
 DEPARMENT OF  
 TRANSPORT

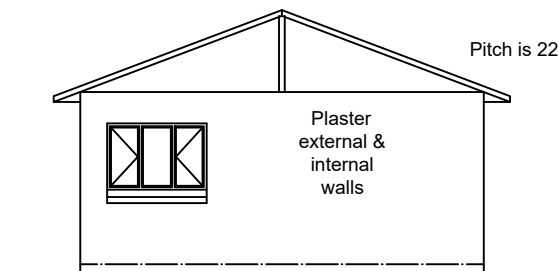
CONTRACTOR/CONSULTANT:  
 DEPARTMENT OF  
 TRANSPORT - INHOUSE  
 CONSTRUCTION UNIT  
 IHCU  
 Tel: 046 602 8138  
 Fax: 086 666 7512

BENEFICIARY  
 NOSEBENZILE NGEXE  
 Signature: \_\_\_\_\_



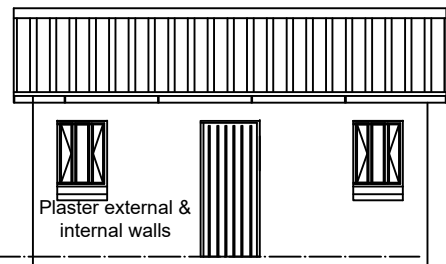
**BACK ELEVATION**

Scale 1:100



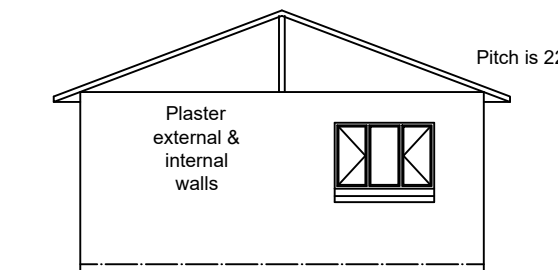
**SIDE ELEVATION**

Scale 1:100



**FRONT ELEVATION**

Scale 1:100



**SIDE ELEVATION**

Scale 1:100

**SPECIFICATIONS:**

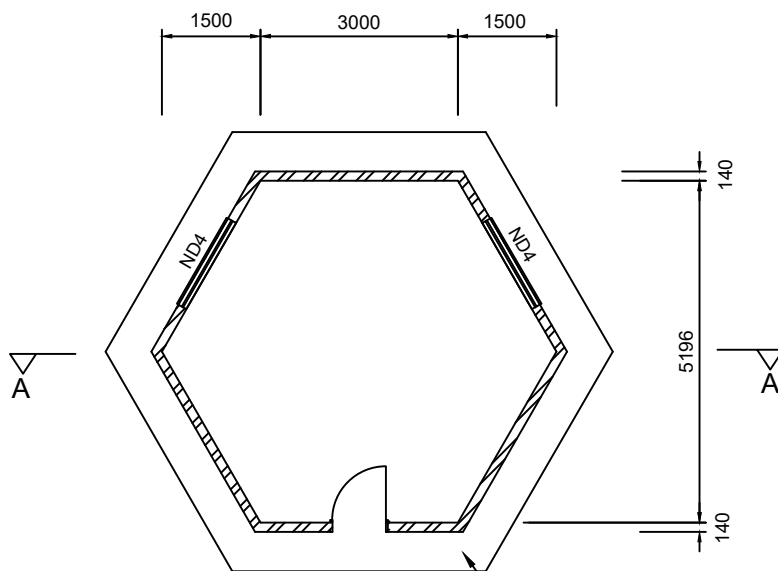
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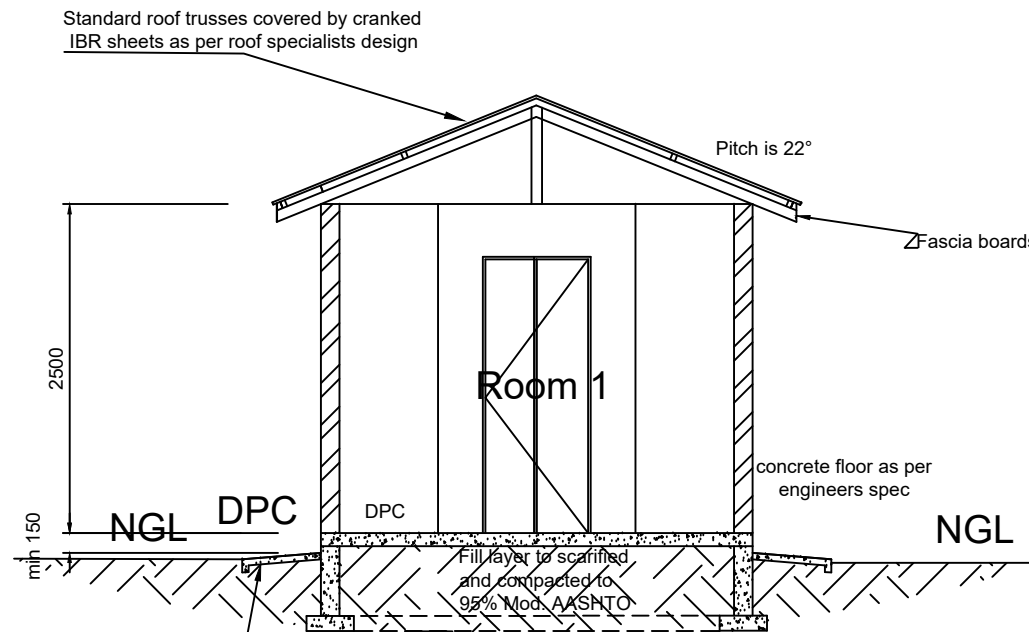
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  - 4.4 All internal walls to be plastered and painted
  - 4.5 All external walls to have be plastered and painted
  - 4.6 Ceiling where required to be 6.4mm gypsum ceiling



**FLOOR PLAN**

Scale 1:100



**CROSS SECTION A-A**

Scale 1:50

1mx75mm Conc. Apron to 2% fall to Engineers spec

Consultant Signature:

Pr No.:

Date.:

Client Signature:

Date.:

**FOR APPROVAL**

REV	DATE	CHECKED	Project No:	Designed by:	DM
			Erf No:	Checked by:	RC
				Drawn by:	DM
				Checked by:	R C
				Drawing No:	HSE/IHCU/NM/T02
				Scale:	As Shown

<b>EASTERN CAPE - DOT</b>	<b>CLIENT:</b> DEPARMENT OF TRANSPORT	<b>CONTRACTOR/CONSULTANT:</b> DEPARTMENT OF TRANSPORT - INHOUSE CONSTRUCTION UNIT IHCU Tel: 046 602 8138 Fax: 086 666 7512
<b>TYPICAL 6 CORER RONDAVEL HOUSE PLAN</b>		
<b>AREA SCHEDULE = 25.97m<sup>2</sup></b>		

<b>BENEFICIARY</b> NOMBONELO MHLAKULO
Signature: