



NKANGALA DISTRICT MUNICIPALITY

PROJECT NO: 57532

THEMBISILE HANI LOCAL MUNICIPALITY

CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

TENDER DOCUMENT

ISSUED BY: NKANGALA DISTRICT MUNICIPALITY

2A Walter Sisulu Street

Middelburg

1050

CONTACT: 013 249 2000

NAME OF TENDERER:

CIDB REGISTRATION NUMBER:

CSD REGISTRATION NUMBER:



NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

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NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

TENDERING PROCEDURES

THE TENDER

Part T1: Tendering Procedures

- T1.1 Tender notice and invitation to tender
- T1.2 Tender Data

Tenderer

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NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

T1.1 TENDER NOTICE AND INVITATION TO TENDER

Nkangala District Municipality Invites Tenders from the suitably qualified Tenderers who meet the prescribed requirements for the **PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2**. Respondents must have a contractor grading designation of 6 GB or higher.

Tender documents will be obtainable from **30 July 2021** and may be downloaded free of charge from www.nkangaladm.gov.za and www.tenderbulletins.co.za

A Compulsory tender briefing meeting will not be held for the project, but tender related enquiries will be welcomed up to and until one day before the closing date.

Tenders are to be completed in black ink and completed in accordance with the conditions and rules contained in the tender documents. The tenders and relevant documents must be sealed in an envelope and externally endorsed with the description: **PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2** and be deposited in the Tender Box, Ground Floor, Nkangala District Municipality, 2A Walter Sisulu Street, Middelburg, Mpumalanga not later than **12h00 on 30 August 2021**. Due to Covid -19 Regulations tenders will not be opened in public. **The Tenders shall remain valid for a period of 120 days from the closing date.** Telegraphic, telephonic, fax, telex e-mail or late tenders will not be accepted.

Tenders will be evaluated in terms of the Supply Chain Management policy of the Nkangala District Municipality. The lowest or any tender will not necessarily be accepted and suitably the Nkangala District Municipality reserves the right not to consider any tender **not suitably endorsed or comprehensively completed**, as well as the right to accept the tender in whole or part. Service Providers must be registered on Central Supplier Database (CSD). **Tenders must only be submitted on the tender documentation that is issued. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.**

Procurement related enquiries may be directed to the Supply Chain Unit from the Nkangala District Municipality at 013-249-2104 / 05 / 06 while Technical enquiries may be directed to Mr. Osvaldo Simba of ASEDA on 073 310 2114.

Ms. M.M Skosana
Municipal Manager

Tenderer

Witness 1

Witness 2

Employer

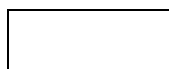
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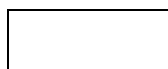
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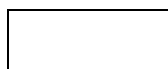


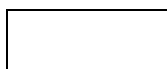
T1.2 TENDER DATA

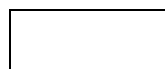
TENDER DATA	
Clause	
C.1.1	Actions
C.1.1.1	The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in C.2 and C.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.
C.1.1.2	<p>The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents, and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.</p> <p>Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.</p> <p>2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.</p>
C.1.1.3	The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.
C.1.2	The documents issued by the employer for the purpose of a tender offer are listed in the tender data.
C.1.3	Interpretation <p>C.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.</p> <p>C.1.3.2 These conditions of tender, the tender data and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.</p> <p>C.1.3.3 For the purposes of these conditions of tender, the following definitions apply:</p> <p>a) conflict of interest means any situation in which:</p>

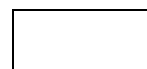

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Witness 1


Witness 2


Employer


Witness 1


Witness 2



	<p>i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;</p> <p>ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or</p> <p>iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.</p> <p>b) comparative offer means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration</p> <p>c) corrupt practice means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;</p> <p>d) fraudulent practice means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;</p>				
C.1.4	<p>Communication.</p> <p>The Employer's Representative is;</p> <table border="1"> <tr> <td> <p><u>Accounting Officer;</u></p> <p>Ms M.M Skosana P. O. Box 437 Middelburg 1050. Tel : 013 249 2006</p> </td><td> <p><u>Procurement Enquiries.</u></p> <p>Ms S.A. Mashaba P.O. Box 437 Middelburg 1050 013 249 2104</p> </td><td> <p><u>Technical Enquiries.</u></p> <p>Mr D.J.D. Mahlangu P.O. Box 437 Middelburg 1050 013 249 2004</p> </td><td> <p><u>Technical Enquiries.</u></p> <p>Mr Osvaldo Simba ASEDA Consulting Engineers Tel: 011 312 4070 Fax: 011 312 2689</p> </td></tr> </table>	<p><u>Accounting Officer;</u></p> <p>Ms M.M Skosana P. O. Box 437 Middelburg 1050. Tel : 013 249 2006</p>	<p><u>Procurement Enquiries.</u></p> <p>Ms S.A. Mashaba P.O. Box 437 Middelburg 1050 013 249 2104</p>	<p><u>Technical Enquiries.</u></p> <p>Mr D.J.D. Mahlangu P.O. Box 437 Middelburg 1050 013 249 2004</p>	<p><u>Technical Enquiries.</u></p> <p>Mr Osvaldo Simba ASEDA Consulting Engineers Tel: 011 312 4070 Fax: 011 312 2689</p>
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	<p>Attention is drawn to the fact that verbal communication given by the Employer's representative prior to the close of tenders will not be regarded as binding on the employer. Only information issued formally by the employer in writing to the tenders, under the signature of the Accounting Officer or his nominee will be regarded as amending the tender documents. Tender offer communicated on paper shall be submitted as an original. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data</p> <p>In the event that no correspondence or communication is received from the NDM within hundred and twenty (120) days after the stipulated closing date and time of the tender, the tender proposal will be deemed to be unsuccessful.</p>				
C.1.5	<p>Cancellation and Re-Invitation of Tenders</p> <p>C.1.5.1 An employer may, prior to the award of the tender, cancel a tender if-</p> <p>a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;</p> <p>b) funds are no longer available to cover the total envisaged expenditure; or</p> <p>c) no acceptable tenders are received.</p> <p>d) there is a material irregularity in the tender process.</p>				

Contractor

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Witness 2


Employer


Witness 1

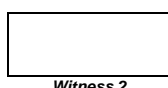
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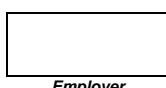


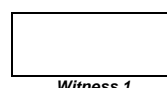
	<p>C.1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised</p> <p>C.1.5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.</p>
C.1.6	<p>Procurement procedures</p> <p>C.1.6.1 General</p> <p>Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.</p> <p>C.1.6.2 Competitive negotiation procedure</p> <p>C.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.</p> <p>C.1.6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information.</p> <p>Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.</p> <p>C.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.</p> <p>C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.</p> <p>C.1.6.3 Proposal procedure using the two stage-system</p> <p>C.1.6.3.1 Option 1</p> <p>Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.</p> <p>C.1.6.3.2 Option 2</p> <p>C.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.</p> <p>C.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data and award the contract in terms of these conditions of tender.</p>

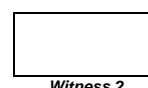

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Witness 1


Witness 2


Employer


Witness 1


Witness 2



C.2.1	<p>Eligibility</p> <p>Only those tenderers who are registered with the CIDB or are capable of being so prior to the evaluation of submissions. in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, for a 6GB or higher class of construction work, are eligible to have their tenders evaluated.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <p>1.every member of the joint venture is registered with the CIDB;</p> <p>2.the lead partner has a contractor grading designation in the 6GB or higher class of construction work; or not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status.</p> <p>3.the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 6GB or higher class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry.</p>
C.2.2	<p>Cost of Tendering</p> <p>The employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the cost of any testing necessary to demonstrate that aspects of the offer satisfy requirements.</p>
C.2.3	<p>Check documents</p> <p>The Tenderer should check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.</p>
C.2.4	<p>Confidentiality and Copyright of Documents.</p> <p>Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation</p>
C.2.5	<p>Reference documents</p> <p>Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.</p>
C.2.6	<p>Acknowledge addenda</p>

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	Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.
C.2.7	Clarification Meeting No clarification meeting will be held on this project.
C.2.10	Pricing the tender State the rates and prices in Rand
C.2.11	Alterations to the Tender Documents. No alterations may be made to the tender document issued by the employer. Proposals and any other supporting documents must be attached to the back of this tender document
C.2.12	Alternative tender offer. No alternative tender offers will be considered or accepted.
C.2.13	Submitting tender offer:
	No Tender document will be considered unless submitted on Council's Official Tender Document Return all the returnable documents to the employer after completing them. Tenders must be deposited in the tender box clearly marked with project description. Location of tender Box: Main Entrance Ground Floor Nkangala District Municipality Building Physical Address: Nkangala District Municipality, 2A Walter Sisulu Street, Middleburg 1050. Telephonic, telegraphic, telex, facsimile or emailed tenders will not be considered
	All tender received by the Nkangala District Municipality will remain in the Municipality's possession until after the stipulated closing date and time. Accept that a tender submitted to the employer cannot be withdrawn or substituted. No substitute tenders will be considered
C.2.15	Closing Time:
	The time and location for opening of the Tender offers are: Closing Time: 12h00 Closing Date: 30 August 2021 Location: Nkangala District Municipality 2A Walter Sisulu Street Middelburg 1050 Due to Covid-19 Regulations, after closing time, tenders will not be opened in public.

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Witness 2

Employer

Witness 1

Witness 2



	After the opening of the tender proposals, no information relating to the clarification, determination of responsiveness, evaluation and comparison of tender proposals and recommendations concerning the award of the tender shall be disclosed to any other tenderer or persons not concerned with such process until the award of the Tender has been announced by the NDM.								
C.2.16	Tender Offer Validity The Tender offer validity period is 120 days from the closing date.								
C.2.17	Tender clarification after submission A tender may be regarded as non-responsive if the tenderer fails to provide clarification requested by the employer within the time for submission stated in the employer's written request.								
C.3.11	Tender evaluation points The value of this bid is estimated not to exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 point system shall be applicable. Preference points for this bid shall be awarded for: <ul style="list-style-type: none">(a) Price; and(b) B-BBEE Status Level of Contribution. The maximum points for this bid are allocated as follows: <table border="1" style="margin-left: 40px;"><thead><tr><th></th><th>POINTS</th></tr></thead><tbody><tr><td>PRICE</td><td>80</td></tr><tr><td>B-BBEE STATUS LEVEL OF CONTRIBUTION</td><td>20</td></tr><tr><td>Total points for Price and B-BBEE must not exceed</td><td>100</td></tr></tbody></table>		POINTS	PRICE	80	B-BBEE STATUS LEVEL OF CONTRIBUTION	20	Total points for Price and B-BBEE must not exceed	100
	POINTS								
PRICE	80								
B-BBEE STATUS LEVEL OF CONTRIBUTION	20								
Total points for Price and B-BBEE must not exceed	100								
	Evaluation of Tenders The Tenderers notice is drawn to the fact that the evaluation, adjudication and awarding of this tender will be terms of the Supply Chain Management Policy of the NDM. The following steps will be followed in evaluation; <ul style="list-style-type: none">1. Determination of whether or not tender offers are complete.2. Determination of whether or not tender offers are responsive.3. Determination of the reasonableness of tender offers.4. Confirmation of the eligibility of preferential points claimed by tenderers.5. Determination of expertise and experience of tenderers.6. Awarding of points for financial offer.7. Ranking of tenderers according to the total points8. Performance of risk analysis by checking the credit record of the tenderers Evaluation Criteria								

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



	<p>The procedure for the evaluation of responsive Bids will be on the average of the previous three projects where the firm was involved for Construction Projects. Reference of Clients including NDM must be provided.</p> <p>Tenders are adjudicated in terms of NDM Supply Chain Management Policy, and the following framework is provided as a guideline in this regard.</p>
	<p>Technical adjudication and General Criteria</p> <ul style="list-style-type: none"> ▪ Tenders will be adjudicated in terms of inter alia: ▪ Compliance with Tender conditions ▪ Technical specifications <p>If the Tenderer does not comply with the Tender Conditions, the Tenderer may be rejected. If technical specifications are not met, the Tender may also be rejected.</p> <p>With regard to the above, certain actions or errors are unacceptable and warrants REJECTION OF THE TENDER, for example</p> <ul style="list-style-type: none"> ▪ A valid tax clearance certificate issued by SARS or Tax Compliance letter with a unique PIN in terms of the electronic Tax Compliance Status (TCS) system from SARS has been submitted. ▪ Pages to be completed, removed from the Tender document, and have therefore not been submitted. ▪ If tender document is not fully completed as required and as stipulated in the tender data. ▪ If any tender document is tempered with or it is unbundled or unbundled. ▪ Scratching out without initialing next to the amended rates or information. ▪ Writing over / painting out rates / the use of tippex or any erasable ink, e.g. pencil. ▪ Attaching required documents which are older than three months before the date of the closing ▪ The Tender has not been properly signed by a party having the authority to do so, according to the Form D – “Authority for Signatory” ▪ A Resolution by a Board of Directors of the Company authorizing the Tenderer to sign the Tender document on behalf of the Company. No authority for signatory submitted. ▪ Particulars required in respect of the Tender have not been provided – non-compliance of Tender requirements and/or specifications. ▪ The Tenderer’s attempts to influence or has in fact influenced the evaluation and/or awarding of the contract. ▪ The Tender has been submitted after the relevant closing date and time ▪ Failure to complete and sign Form of Offer and Acceptance ▪ If any municipal rates and taxes or municipal service charges owed by that Tenderer or any of its directors to the municipality, or to any other municipality or municipal entity, are in arrears for more than three months. ▪ If any Tenderer who during the last five years has failed to perform satisfactorily on a previous contract with the municipality or any other organ of state after written notice was given to that Tenderer that performance was unsatisfactory
	<p>Size of enterprise and current workload</p>

Contractor

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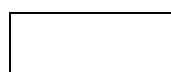
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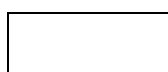
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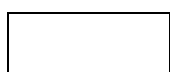
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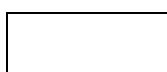


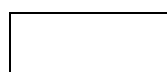
	<ul style="list-style-type: none"> ▪ Evaluation of the Tenderer's position in terms of: ▪ Previous and expected current annual turnover ▪ Current contractual obligations ▪ Capacity to execute the contract <p>Staffing profile</p> <p>Evaluation of the Tenderer's position in terms of:</p> <ul style="list-style-type: none"> ▪ Staff available for this contract being Tendered for ▪ Qualifications and experience of key staff to be utilized on this contract. <p>Proposed Key Personnel</p> <p>In this part of the tender, the Tenderer shall also supply Curriculum Vitae (CV's) for the Staff available named and working on full time basis for the Tenderer. The CV should follow the normal Professional Format as used by Professional Service Providers.</p> <p>Much importance will be placed on the experience of the staff proposed. The Tender must ensure that, if selected, the nominated staff will be assigned as proposed. Failure to do so may result in the annulment of any acceptance of the Tenders' proposal and/ or Agreement entered into by the Client for the execution of the services</p>
	<p>Previous experience</p> <p>The procedure for the evaluation of responsive Bids will be on the average of the three projects where the firm was involved. Reference of clients other than NDM MUST be provided.</p> <p>The tenderer shall list in the appropriate Forms the appropriate related projects undertaken by the member firms of the tenderer within the last three (3) years.</p> <p>Evaluation of the Tenderer's position in terms of his previous experience. Emphasis will be placed on the following:</p> <ul style="list-style-type: none"> ▪ Experience in the relevant technical field ▪ Experience of contracts of similar size ▪ Some or all of the references will be contacted to obtain their input.
	<p>The tenderer shall provide documentation of company experience of each member of the Consortium/Joint Venture related projects.</p> <p>Financial ability to execute the contract:</p> <p>Evaluation of the Tenderer's financial ability to execute the contract. Emphasis will be placed on the following:</p> <ul style="list-style-type: none"> ▪ Contact the Tender's bank manager to assess the Tenderer's financial ability to execute the contract and the Tenderer hereby grants his consent for this purpose. <p>Audited financial statements for three (3) years in case the total cost of the project charged is above R10 Million.</p>
	<p>Good standing with SA Revenue Services</p> <ul style="list-style-type: none"> ▪ Determine whether a valid tax clearance certificate issued by SARS or Tax Compliance letter with a unique PIN in terms of the electronic Tax Compliance Status (TCS) system from SARS has been submitted.

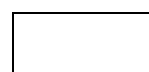

Contractor


Witness 1


Witness 2


Employer


Witness 1


Witness 2



	<p>If the Tender does not meet the requirements contained in the NDM Procurement Policy, and the mentioned framework, it will be rejected by the Council, and may not subsequently be made acceptable by correction or withdrawal of the non-conforming deviation or reservation.</p> <p>Penalties</p> <p>The Nkangala District Municipality will if upon investigation it is found that a preference in terms of the Act and these regulations has been obtained on a fraudulent basis, or any specified goals are not attained in the performance of the contract, on discretion of the Municipal Manager, one or more of the following penalties will be imposed:</p> <ul style="list-style-type: none"> ▪ Cancel the contract and recover all losses or damages incurred or sustained from the Tenderer. ▪ Impose a financial penalty at the discretion of Council ▪ Restrict the contractor, its shareholders and directors on obtaining any business from the Nkangala District Municipality for a period of 5 years <p>Evaluation Method 4</p> <p>Which entails the balance between financial offer, preferences and Quality and 80-20 points system, will be adopted.</p> <p>Evaluation Criteria</p> <p>The Construction Firm's tender responsiveness in relation to points is therefore summarized as follows:</p> <table> <tr> <td>Organizing and Staffing</td><td>50</td></tr> <tr> <td>Plant</td><td>15</td></tr> <tr> <td>Experience of Firm</td><td>25</td></tr> <tr> <td>Total</td><td>90</td></tr> </table>	Organizing and Staffing	50	Plant	15	Experience of Firm	25	Total	90
Organizing and Staffing	50								
Plant	15								
Experience of Firm	25								
Total	90								
C.3.13	<p>Acceptance of tender offer</p> <p>Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the tenderer:</p> <ol style="list-style-type: none"> is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement; can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract; has the legal capacity to enter into the contract; is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing; complies with the legal requirements, if any, stated in the tender data; and is able, in the opinion of the employer, to perform the contract free of conflicts of interest. 								
F.1.	<p>Declaration Certificate for Local Production and Content for Designated Sectors</p>								

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



	Failure to complete and comply with minimum threshold of MBD 6.2, Annexure C, D & E for Local Content is an automatic disqualification. Tenderers must ensure that products/materials supplied are manufactured/produced locally. Tenderers must also ensure that imported products/material are exempted by the Department of Trade and Industry (DTI).
F.2.	The Employer's right to accept or reject any tender offer The employer has the right not to accept the lowest tender and to accept the whole or part of any tender or not to consider any tender not suitably endorsed is fully reserved by the Nkangala District Municipality.

A firm must obtain a minimum of 50 points out of the 90 points above to be considered for price and BBB-EE evaluation.

Organising and Staffing (Maximum points obtainable 36)

Project Manager / Team Leader: (Maximum Points obtainable 20)

Name:

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable	Points Claimed
Academic Qualifications	National Diploma in Civil Engineering	Yes	8	
	Degree in Civil Engineering	No	2	
Sub-total			10	
Experience of Team Leader in similar projects		Elimination Factor		
Involvement in comparable projects (Technical)	1 - 3	No	4	
	4 - 7	No	6	
	8 and above	No	10	
Sub-total			10	
Total			20	

Site Agent: (Maximum Points obtainable 12)

Name:

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable	Points Claimed
Academic Qualifications	Qualified Civil Engineering Technician (NQF 6)	No	5	
	Qualified Civil Engineer/Technologist (NQF 7)	No	1	

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Sub-total			6	
Years of experience in similar projects	1 - 3	No	2	
	4 - 7	No	4	
	8 and above	No	6	
Sub-total			6	
Total			12	

Note: Should the Site Agent be the same as Project Manager/Team Leader zero points will be allocated.

Safety Officer: (Maximum Points obtainable 4)

Name:

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable	Points Claimed
Academic Qualifications	Occupational Health and Safety Certificate	Yes	2	
Sub-total			2	
Years of experience after qualification	1- 3	No	1	
	4 and above	No	2	
Sub-total			2	
Total			4	

Note: Should the Safety Officer be the same as Team leader/Project Manager, Site Agent, zero points will be allocated.

ORGANIZATION AND STAFFING/PERSONNEL		
PERSONNEL	TOTAL	SCORES
Construction Manager/Team Leader	20	
Site Agent	12	

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Safety Officer	4	
TOTAL	36	

Plant: (Maximum Points obtainable 24)

It must be noted that a total of 24 points are obtainable by the Construction Firm in relation to the requirements as mentioned on the table below, failure to submit evidential supporting documents is not an eliminating factor **BUT** a zero point will be scored. Letter of intent or quotation from the lessor must be attached.

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable (Owned)	Points obtainable (Leased)	Points Claimed
Firm's plant and equipment – Note: Proof of ownership of the firm's equipment or a signed undertaking by 3 rd party to provide the plant for the duration of the contract must be attached. Failure to do so will result in forfeiting the plant points	Firm's number of Graders x 1	No	4	3	
	Firm's number of Excavators x 1	No	4	3	
	Firm's number of TLBs x 1	No	4	3	
	Firm's number of Vibratory Steel Drum Compactors x1	No	4	3	
	Firm's number of Tipper Trucks x 1	No	4	3	
	Firm's number of Water Trucks x 1	No	4	3	
Sub-total			24	18	
Total			24	18	

Experience of Firm: (Maximum Points obtainable 30)

Note: Company's previous completed projects

Provide proof of the company's previous completed projects which is in the form of verifiable appointment letters **and** completion certificates. If these are not provided, zero points will be allocated in that regard.

Evaluation Criteria	Evaluation Criteria	Elimination Factor	Points obtainable	Points Claimed
Company experience in terms of projects completed (Building projects)	1 – 3 Projects	No	10	
	4 – 6 Projects	No	20	
	7 and Above	No	30	

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Sub-Total	30	
TOTAL	30	

TOTAL SCORE: _____/90

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

RETURNABLE DOCUMENTS

Returnable Documents

List of returnable documents

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



NKANGALA DISTRICT MUNICIPALITY



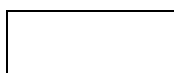
T2.1 LIST OF RETURNABLE DOCUMENTS

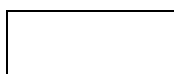
1. Failure to fully complete the **compulsory and returnable** documents shall render such a tender offer unresponsive.
2. Tenderers shall note that their signatures appended to each returnable form **represents a declaration that they vouch for the accuracy and correctness of the information provided**, including the information provided by candidates proposed for the specified key positions.
3. Notwithstanding any check or audit conducted by or on behalf of the Employer, the information provided in the returnable documents is accepted in good faith and as justification for entering into a contract with a tenderer. **If subsequently any information is found to be incorrect such discovery shall be taken as wilful misrepresentation by that tenderer to induce the contract.** In such event the Employer has the discretionary right under contract condition 8.4 to terminate the contract.

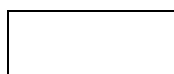
The Tenderer must complete the following returnable Schedules:

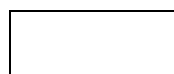
Returnable Schedules required for Tender evaluation purposes

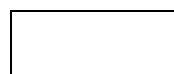
COMPULSORY BID DOCUMENTS	
PART-A	INVITATION TO BID
PART-B	TERMS AND CONDITIONS FOR BIDDING
FORM-A2	COMPULSORY ENTERPRISE QUESTIONNAIRE FOR CONSORTIA OR JOINT VENTURES
FORM A	COMPULSORY ENTERPRISE QUESTIONNAIRE
FORM B	DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES
FORM C	DECLARATION OF INTEREST
FORM D	AUTHORITY OF SIGNATORY
FORM E	DECLARATION OF GOOD STANDING REGARDING TAX
FORM F	FINANCIAL REFERENCES /TENDERER'S CREDIT RATING AND BANK DETAILS
FORM G	MUNICIPAL UTILITY ACCOUNT
FORM H	PREFERENCE SCHEDULE
FORM I	DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS
FORM J	CERTIFICATE OF INDEPENDENT BID DETERMINATION
FORM K	DECLARATION TENDERER'S LITIGATION HISTORY
FORM L	PROOF OF GOOD STANDING WITH COMPENSATION COMMISSIONER
FORM M	DECLARATION FOR PROCUREMENT ABOVE R10 MILLION
RETURNABLES FOR EVALUATION PURPOSES	
FORM N	TENDERER'S PROJECT STRUCTURE
FORM O	PROPOSED KEY PERSONNEL
FORM P	SCHEDULE OF PREVIOUS EXPERIENCE
FORM Q	SCHEDULE OF CURRENT PROJECTS
FORM R	SCHEDULE OF INFRASTRUCTURE AND RESOURCES
FORM S	SCHEDULE OF PROPOSED SUB CONTRACTORS

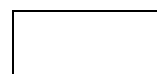

Tenderer


Witness 1


Witness 2


Employer


Witness 1


Witness 2



FORM T	RECORD OF ADDENDA TO TENDER DOCUMENTS
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COMPULSORY BID DOCUMENTS

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Tenderer

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Witness 1

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Witness 2

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Employer

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Witness 1

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Witness 2



PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE					
BID NUMBER:		CLOSING DATE:		CLOSING TIME:	
DESCRIPTION					
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
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					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT <input type="checkbox"/> Yes <input type="checkbox"/> No		
[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?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3]		
TOTAL NUMBER OF ITEMS OFFERED			TOTAL BID PRICE		R
SIGNATURE OF BIDDER		DATE		
CAPACITY UNDER WHICH THIS BID IS SIGNED					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL INFORMATION MAY BE DIRECTED TO:		
DEPARTMENT			CONTACT PERSON		
CONTACT PERSON			TELEPHONE NUMBER		
TELEPHONE NUMBER			FACSIMILE NUMBER		
FACSIMILE NUMBER			E-MAIL ADDRESS		
E-MAIL ADDRESS					

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR ONLINE
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS
3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? <input type="checkbox"/> YES <input type="checkbox"/> NO
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

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

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

DATE:

.....
Tenderer

.....
Witness 1

.....
Witness 2

.....
Employer

.....
Witness 1

.....
Witness 2



FORM A2: COMPULSORY ENTERPRISE QUESTIONNAIRE FOR CONSORTIA OR JOINT VENTURES

In the case of a Joint Venture – Form “A2” needs to be completed

SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly bid for the project mentioned below: *(legally correct full names and registration numbers, if applicable, of the Enterprises forming a Consortium/Joint Venture)*

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Held at _____ (place)

On _____ (date)

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Tenderer

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Witness 1

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Witness 2

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Employer

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Witness 1

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Witness 2



RESOLVED that:

The above-mentioned Enterprises submit a Bid in Consortium/Joint Venture to the NKANGALA DISTRICT MUNICIPALITY in respect of the following project:

Bid / Project Number: _____ {insert number}

A. Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign the Bid, and any and all other documents and/or correspondence in connection with and relating to the Bid, as well as to sign any Contract, and any and all documentation, resulting from the award of the Bid to the Enterprises in Consortium/Joint Venture mentioned above.

B. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of: _____

C. The Enterprises to the Consortium/Joint Venture accept joint and several liability for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the municipality in respect of the project described under item A above.

D. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the municipality for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item C above.

E. No Enterprise to the Consortium/Joint Venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the municipality, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the municipality referred to herein.

F. The Enterprises choose as the *domicilium citandi et executandi* of the Consortium/Joint Venture for all purposes arising from the consortium/joint venture agreement and the Contract with the municipality in respect of the project under item A above:

Physical address: _____

_____ (code)

Postal Address: _____

_____ (code)

Telephone number: _____ (code)

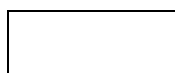
Fax number: _____ (code)



Tenderer



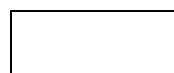
Witness 1



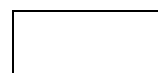
Witness 2



Employer



Witness 1



Witness 2



NO	NAME OF ENTITY	NAME OF REPRESENTATIVE	CAPACITY	SIGNATURE
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Note:

1. * Delete which is not applicable
2. **NB.** This resolution must be signed by all the Duly Authorised Representatives of the Legal Entities to the Consortium/Joint Venture submitting this Bid
3. Should the number of Duly Authorised Representatives of the Legal Entities joining forces in this Bid exceed the space available above, additional names and signatures must be supplied on a separate page
4. Resolutions, duly completed and signed, from the separate Enterprises who participate in this Consortium/Joint Venture must be attached to the Special Resolution.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



ATTACH THE FOLLOWING DOCUMENTS HERETO

1. For Closed Corporations

- CK1 or CK2 as applicable (Founding Statement)
- Copies of the ID's of the Directors

2. For Companies

- A copy of the Certificate of Incorporation
- Copies of the ID's of the Directors, and
- the shareholders register

3. For Joint Venture Agreements

- Copy of the Joint Venture Agreement between all the parties,
- as well as the documents in (1) or (2) of each Joint Venture member.

4. For Partnership

- Copies of the ID's of the partners

5. One-person Business / Sole trader

- Copy of ID

6. Details of Tax Compliance Status from South African Revenue Service

7. Duly Signed and dated original or copy of Authority of Signatory on company Letterhead

8. B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE (original or a copy issued by an approved body / accredited verification agency as prescribed by the National Treasury and the Department of Trade and Industry)

9. Central Supplier Database [CSD] Summary

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



COMPULSORY ENTERPRISE QUESTIONNAIRE

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

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of partners in partners

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies ,close corporations and partnerships

Company registration number

Close corporation number

Tax reference number

Section 6: Record of service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

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

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

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

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

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

*insert separate page if necessary

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the enterprise:

- authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- confirms that the 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;
- confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- 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;
- 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

Identity
number

Enterprise
name

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM B: DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES (MBD8)

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

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

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



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

CERTIFICATION

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

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

--

Tenderer

--

Witness 1

--

Witness 2

--

Employer

--

Witness 1

--

Witness 2



FORM C: DECLARATION OF INTEREST (MBD4)

1. **No bid will be accepted from persons in the service of the state¹.**
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.
 - 3.1 Full Name of bidder or his or her representative:
 - 3.2 Identity Number:
 - 3.3 Position occupied in the Company (director, trustee, shareholder²):
 - 3.4 Company Registration Number:
 - 3.5 Tax Reference Number:
 - 3.6 VAT Registration Number:
 - 3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.
 - 3.8 Are you presently in the service of the state? **YES / NO**
 - 3.8.1 If yes, furnish particulars:

¹MSCM Regulations: "in the service of the state" means to be –

- a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



(f) an employee of Parliament or a provincial legislature.

² Shareholder” means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

3.9 Have you been in the service of the state for the past twelve months? **YES / NO**

3.9.1 If yes, furnish particulars:

.....

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.10.1 If yes, furnish particulars:

.....

3.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.11.1 If yes, furnish particulars:

.....

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars:

.....

3.13 Are any spouse, child or parent of the company's director's trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.13.1 If yes, furnish particulars:

.....

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract. **YES / NO**

3.14.1 If yes, furnish particulars:

.....

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Tenderer

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Witness 1

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Witness 2

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Employer

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Witness 1

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Witness 2



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

FULL NAME	IDENTITY NUMBER	STATE EMPLOYEE NUMBER

DECLARATION

I, the undersigned (name): certify that the information furnished is correct. I accept that the state may act against me in terms of paragraph 23 of the General Conditions of Contract should this declaration prove to be false.

.....
Signature

.....
Date

.....
Capacity

.....
Name of Bidder

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM D: AUTHORITY OF SIGNATORY

Details of person responsible for tender process:

Name : _____

Contact number : _____

Office address : _____

Signatories for close corporations and companies shall confirm their authority by attaching to this form a **duly signed and dated original or copy on the Company Letterhead** of the relevant resolution of their members or their board of directors, as the case may be.

PRO-FORMA FOR COMPANIES AND CLOSE CORPORATIONS:

"By resolution of the board of directors passed on (date)

Mr **Pro-Forma**

has been duly authorized to sign all documents in connection with the Tender for Contract Number

.....and any Contract which may arise there from on

behalf of

(BLOCK CAPTIALS)

SIGNED ON BEHALF OF THE COMPANY

IN HIS CAPACITY AS

DATE

FULL NAMES OF SIGNATORY

AS WITNESSES: 1.

2.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



PRO-FORMA FOR JOINT VENTURES:

Certificate of Authority for Joint Ventures

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

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
		Signature: Name: Designation:
		Signature: Name: Designation:
		Signature: Name: Designation:
		Signature: Name: Designation:

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



**ATTACH HERETO THE DULY SIGNED AND DATED ORIGINAL OR A COPY
OF AN AUTHORITY OF SIGNATORY ON COMPANY LETTERHEAD**

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM E: DECLARATION OF GOOD STANDING REGARDING TAX (MBD 2)

DETAILS OF TAX COMPLIANCE STATUS:

TAXPAYER NAME	
TRADING NAME	
TAX REFERENCE NUMBER (S)	
VAT	
PIN	
EXPIRY DATE	

TAX CLEARANCE CERTIFICATE REQUIREMENTS

It is a condition of bid that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

1. In order to meet this requirement bidders are required to complete in full the attached form TCC 001 "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
2. SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
3. The original Tax Clearance Certificate must be submitted together with the bid. Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be acceptable.
4. In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate.
5. Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za.
6. Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

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Tenderer

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Witness 1

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Witness 2

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Employer

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Witness 1

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Witness 2



FORM F: FINANCIAL REFERENCES

DETAILS OF TENDERERS BANKING INFORMATION

Notes to tenderer:

1. The tenderer shall attach to this form a copy of a letter from the bank not older than three (3) months confirming the bank account and details. Failure to provide the required letter with the tender submission shall render the tenderer's offer unresponsive.
2. The tenderer's banking details as they appear below shall be completed.
3. In the event that the tenderer is a joint venture enterprise, details of all the members of the joint venture shall be similarly provided and attached to this form.

BANK NAME:									
ACCOUNT NAME: (e.g. ABC Civil Construction cc)									
ACCOUNT TYPE: (e.g. Savings, Cheque etc)									
ACCOUNT NO:									
ADDRESS OF BANK:									
CONTACT PERSON:									
TEL. NO. OF BANK / CONTACT:									
How long has this account been in existence:	<table border="1"><tr><td>0-6 months</td><td></td></tr><tr><td>7-12 months</td><td></td></tr><tr><td>13-24 months</td><td></td></tr><tr><td>More than 24 months</td><td></td></tr></table> (Tick which is appropriate)	0-6 months		7-12 months		13-24 months		More than 24 months	
0-6 months									
7-12 months									
13-24 months									
More than 24 months									

Name of Tenderer:

Date:

Signature:

Full name of signatory:

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Tenderer

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Witness 1

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Witness 2

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Employer

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Witness 1

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Witness 2



**ATTACH HERETO AN ORIGINAL OR A COPY OF A LETTER FROM THE
BANK TO THIS PAGE NOT OLDER THAN THREE (3) MONTHS**

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM G: MUNICIPAL UTILITY ACCOUNT

DECLARATION BY THE TENDERER

I the undersigned _____, has been duly

authorized to sign all documents with the Tender for Contract Number _____ on behalf of

_____ hereby make a declaration as follows:
(referred to herein as "the Bidder")

1. I declare that the bidder and /or any of its director(s) / member(s) does not owe the municipality, or any other municipality and/or municipal entity any amount which is in arrears in respect of any municipal rates and taxes or municipal service charges.
2. I understand and accept that in the event that this declaration is proved to be false, the bid shall be rejected forthwith. All other rights of the municipality (including but not limited to the right to claim damages where applicable) shall remain reserved in full.

SIGNED ON BEHALF OF THE COMPANY

IN HIS CAPACITY AS

DATE

FULL NAMES OF SIGNATORY

UTILITY ACCOUNT NUMBER	NAME OF MUNICIPALITY	NAME OF OWNER

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



ATTACH AN ORIGINAL OR A COPY OF A MUNICIPAL UTILITY ACCOUNT (NOT OLDER THAN THREE (3) MONTHS)

Important: Note the following

- List and attach account(s) registered all in the name(s) of the Director(s) or the Company on the declaration form attached hereto; or
- Attach a copy lease agreement along with the utility account of the Landlord, whereby the company is leasing the property its operating from.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM H: PREFERENCE SCHEDULE (MBD 6.1)

MBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

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

1.2

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

1.3 Points for this bid shall be awarded for:

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

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

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

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

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

2. DEFINITIONS

- (a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **"B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



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

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

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

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

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{\min} = Price of lowest acceptable bid

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

- 4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



6	6
7	4
8	2
Non-compliant contributor	0

5. BID DECLARATION

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

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

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

7. SUB-CONTRACTING

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

(Tick applicable box)

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

- 7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
ii) The name of the sub-contractor.....
iii) The B-BBEE status level of the sub-contractor.....
iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

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

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

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

8. DECLARATION WITH REGARD TO COMPANY/FIRM

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

- 8.2 VAT registration number:.....

- 8.3 Company registration number:.....

- 8.4 TYPE OF COMPANY/ FIRM

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Tenderer

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Witness 1

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Witness 2

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Employer

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Witness 1

--

Witness 2



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

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

8.6 COMPANY CLASSIFICATION

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

[TICK APPLICABLE BOX]

8.7 MUNICIPAL INFORMATION

Municipality where business is situated:

Registered Account Number:

Stand Number:.....

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

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

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

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- has been applied; and
(e) forward the matter for criminal prosecution.

WITNESSES

1.

2.

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

DATE:

ADDRESS

.....

.....

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



**ATTACH AN ORIGINAL OR A COPY OF B-BBEE STATUS VERIFICATION
CERTIFICATE**

NOTE THE FOLLOWING IN RESPECT OF B-BBEE CERTIFICATES:

1. Certificates attached hereto should be those issued by approved verification agencies as directed by the National Treasury and the DTI (Department of Trade and Industry)
2. Verification agencies should be approved by SANAS and Accounting Officers and Auditors should be approved in terms of the IRBA (Independent Regulatory Body for Auditors), and as prescribed by the Close Corporations Act for designation as an Accounting Officer
3. Certified copies of the B-BBEE certificate or Sworn Affidavit should be within the financial year of the issued bid or quotation.

Further information in respect of the above is obtainable from the National treasury and DTI websites and the Preferential Procurement Regulations, 2017

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM I: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

MBD 6.2: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 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:

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Item Number	Description of Item	Quantity	% Local Content
	0.58mm Thick 'Klip-lock 700' heavy industrial galvanised roof sheeting with chromadeck white lion finish on one side in single lengths fixed to steel purlins including heavy industrial chromadeck finishings all fixed in strict accordance with the manufacturer's instructions:		
1	Roof covering with pitch not exceeding 25 degrees	1,149	100%
2	Side cladding	319	100%
3	Ridge flashings 308mm girth	29	100%
4	Head wall flashings 308mm girth	51	100%
5	Drip flashing 154mm girth	151	100%
	STEEL COLUMNS AND BEAMS Welded beams in single lengths with flat section bearer and connection plates bolted to concrete columns		
1	1 254 x 146mm x 31kg/m I-section columns t 4.43	4,43	100%
2	Bolts to columns, beams, etc	1,64	100%
	Welded roof trusses of angle section rails, struts, braces, cleats, etc and flat section bearer, gusset and connection plates bolted to steel		
3	60 x 60 x 6kg/m L-section beam	3,18	100%
4	70 x 70 x 8kg/m L-section beam	1,63	100%
	Purlins and girts bolted to steel		
5	150 x 65 x 20 x 3.0 Lipped channel section purlins t 4.82	4,82	100%
6	50 x 50 x 5kg/m L-section bracing t 0.65	0,65	100%
7	60 x 60 x 5kg/m L-section knee bracing t 1.40	1,40	100%
8	60 x 60 x 5kg/m L-section cleat t 0.18	0,18	100%
9	12mm Diameter sag rods t 0.14	0,14	100%
	uPVC pipes		100%
15	50mm Pipes	58	100%
16	110mm Pipes	193	100%
3.7	600/1000V PVC SWA cables, in trenches and sleeves, including labels		

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



3.7.5	25mm ² 4 core	250	90%
3.7.7	10mm ² 4core	200	90%
	SUPPLY, INSTALLATION AND COMMISSIONING OF CABLES COMPLETE WITH FIXING, LABELLING ETC. CABLE FROM PV MODULES TO INVERTER		
4,002	Cable terminations for 6mm ² x 1core Double Insulated Tinned Cu No 80	80	90%
4,010	Cable Terminations for 16mm ² x 3core Cu SWA	150	90%
	EARTH CABLE FROM INVERTER TO TIE-IN POINT		90%
4,012	25mm ² ICEW	150	90%
4,013	Cable terminations for 25mm ² ICEW to Solar DB	12	90%
4,014	EARTH CABLE FOR MOUNTING GEAR 6mm ² BCEW	150	90%
4,015	Cable terminations for 6mm ² BCEW	16	90%
4,015	16mm ² BCEW	20	90%
4,016	Cable terminations for 16mm ² BCEW	12	90%
4,017	POWER METER CABLE Armoured CAT5 Shielded	250	90%
4,018	Cable terminations for CAT5	12	90%

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

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

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

The relevant rates of exchange information is accessible on www.reservebank.co.za

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

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

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

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Tenderer

--

Witness 1

--

Witness 2

--

Employer

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Witness 1

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Witness 2



Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



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

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

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):

.....
NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of (name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (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 (PPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____



Tenderer



Witness 1



Witness 2



Employer



Witness 1



Witness 2



WITNESS No. 2 _____	DATE: _____
----------------------------	--------------------

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Tenderer

--

Witness 1

--

Witness 2

--

Employer

--

Witness 1

--

Witness 2



Local Content Declaration - Summary Schedule

Note: VAT to be excluded from all calculations

53



The diagram illustrates the sequence of participants in the experiment. It consists of six rectangular boxes arranged horizontally. Below each box is a label: *Tenderer*, *Witness 1*, *Witness 2*, *Employer*, *Witness 1*, and *Witness 2*.



Witness 2



Date:

--

--



ANNEX D

Note: VAT to be excluded from all calculations

Pula

EU

GBP

Calculation of imported content

[illegible]

Witness 2



<i>Tenderer</i>	<i>Witness 1</i>	<i>Witness 2</i>	<i>Employer</i>	<i>Witness 1</i>	<i>Witness 2</i>



<i>Tenderer</i>	<i>Witness 1</i>	<i>Witness 2</i>	<i>Employer</i>	<i>Witness 1</i>	<i>Witness 2</i>



<i>Tenderer</i>	<i>Witness 1</i>	<i>Witness 2</i>	<i>Employer</i>	<i>Witness 1</i>	<i>Witness 2</i>



<i>Tenderer</i>	<i>Witness 1</i>	<i>Witness 2</i>	<i>Employer</i>	<i>Witness 1</i>	<i>Witness 2</i>



<i>Tenderer</i>	<i>Witness 1</i>	<i>Witness 2</i>	<i>Employer</i>	<i>Witness 1</i>	<i>Witness 2</i>



Annex E

Local Content Declaration - Supporting Schedule to Annex C

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

Note: VAT to be excluded from all calculations

[illegible]

Tenderer

Witness 1









Witness 2

Employer

Witness 1

Witness 2





The diagram illustrates the sequence of participants in the experiment. It consists of six rectangular boxes arranged horizontally. Below each box is a label: *Tenderer*, *Witness 1*, *Witness 2*, *Employer*, *Witness 1*, and *Witness 2*.



FORM J: CERTIFICATE OF INDEPENDENT BID DETERMINATION (MBD 9)

1. This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

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

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

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

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



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

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM K: DECLARATION OF TENDERER'S LITIGATION HISTORY

Does the tenderer have any litigation with which tenderer (including its directors, shareholders or other senior members in previous companies) have been involved with any organ of state or state department within the last ten years?

YES

NO

If yes, furnish your details in table below.

NB: It is compulsory for all bidders to sign this form

The tenderer shall list below details of any litigation with which the tenderer (including its directors, shareholders or other senior members in previous companies) has been involved with any organ of state or state department within the last ten years. The details must include the year, the litigating parties, the subject matter of the dispute, the value of any award or estimated award if the litigation is current and in whose favour the award, if any, was made.

CLIENT	OTHER LITIGATING PARTY	DISPUTE	AWARD VALUE	DATE RESOLVED

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

.....
Tenderer

.....
Witness 1

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Witness 2

.....
Employer

.....
Witness 1

.....
Witness 2



FORM L: PROOF OF GOOD STANDING WITH COMPENSATION COMMISSIONER

A Proof of good standing with Compensation Commissioner must be attached hereto

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM M: DECLARATION OF PROCUREMENT ABOVE R 10 MILLION (MBD5)

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

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

1.1. If yes, submit audited financial statements for the past three years or since the date of establishment if established during the past three years. **YES / NO**

.....
.....

2. Do you have any outstanding undisputed commitments for municipal services towards any municipal for more than three months or any other service provider in respect of which payments is overdue for more than 30 days? **YES / NO**

.....
.....

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

.....
.....

2.2 If yes, please provide particulars

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

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



3. Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?
YES / NO

.....
.....

3.1 If yes, furnish particulars

.....
.....

4. Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion of payment from the municipality / /municipal entity is expected to be transferred out of the Republic?
YES / NO

4.1 If yes, furnish particulars

.....
.....

CERTIFICATION

I, THE UNDERSIGNED (NAME)

.....

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

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

Signature

Date

.....
Position

.....
Name of Bidder

.....
Tenderer

.....
Witness 1

.....
Witness 2

.....
Employer

.....
Witness 1

.....
Witness 2



RETURNABLES FOR EVALUATION PURPOSES

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2

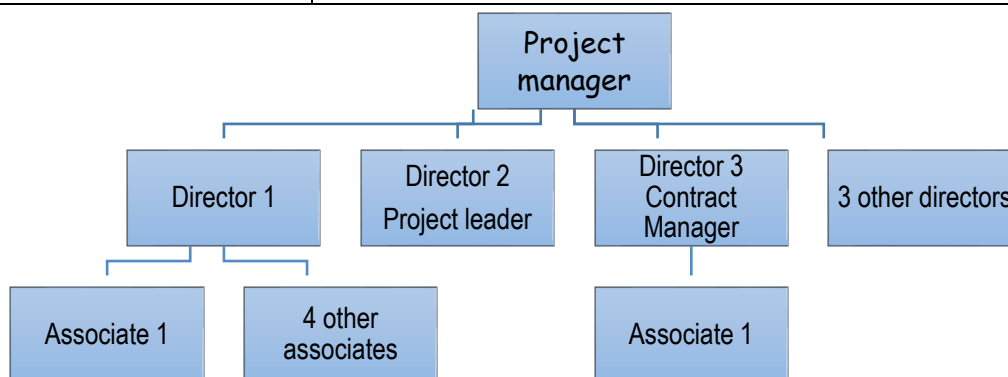


FORM N: TENDERER'S PROJECT STRUCTURE

Notes to tenderer:

1. The intention of this form is to demonstrate the tenderer's project structure, as well as the lines of responsibility between members of the project team and between the project team and the overall company structure. The tenderer must attach his own organogram to this form.
2. Tenderers which are large companies may simplify the organogram by 'rolling up' portfolios e.g. combining directors/associates into one box of the organogram. However, the individual positions of the key personnel within the structure must still be shown.
3. Joint Venture tenders will require each element of the venture to submit separate organograms that show the individual structure of each member company and the lines of responsibility of the proposed personnel involved in the project. In addition, there must also be a combined organogram that indicates how the joint venture itself will function and the proposed share of the work. Joint Venture tenderers shall note that the share of work indicated will be used in the analysis of such a tenderers preference proposed on returnable form D1, and that if awarded the share of work shall become a contractual obligation between the members of the joint venture.
4. State the city or town where the company's head office is located. The locality of regional or satellite office, regardless of degree of autonomy or size is not required. Only submit the number of offices other than the head office. Do not count offices outside RSA
5. Registered professional engineers, technicians or technologists' means those who are involved in the built industry as well as allied fields such as environmental professionals. Registered professionals of other disciplines (e.g. mechanical) are considered as employees only.

Head Office:	
Other Offices:	
Registered Professionals:	
Total Employees :	
%share in JV agreement	



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

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM O: PROPOSED KEY PERSONNEL

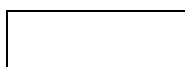
The Tenderer shall list below the key personnel whom he proposes to employ on the project should his Tender be accepted,

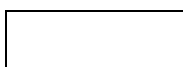
No	Name	Qualification	Designation for the project tendered for

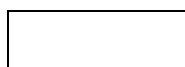
Provide two paged CV of Each key Personnel to be used in this project.
Each CV should give at least the following:

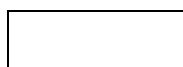
- Position in the firm and within the organisation of this assignment
- PDI Status (describing population group, gender and disabilities)
- Proof of Educational qualifications
- Proof of Professional Registrations
- Relevant experience (actual duties performed, involvement and responsibility), including locations, dates and durations of assignments, starting with the latest.
- Language proficiency and
- References (company name, individual name, position held, contact details)

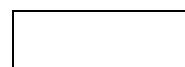
(Affix the CV's and Attachments in a form of a booklet to the following Page.)

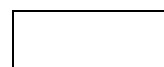

Tenderer


Witness 1


Witness 2


Employer


Witness 1


Witness 2



ATTACH CV'S OF KEY PERSONNEL TO THIS PAGE

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The Construction Firm's tender responsiveness in relation to points is therefore summarized as follows:

Organization and Staffing	36
Plant	24
Experience of Firm	30

Total **90**

A firm must obtain a minimum of 50 points out of the 90 points above to be considered for price and BBB-EE evaluation.

Organising and Staffing (Maximum points obtainable 36)

Project Manager / Team Leader: (Maximum Points obtainable 20)

Name:

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable	Points Claimed
Academic Qualifications	National Diploma in Civil Engineering	Yes	8	
	Degree in Civil Engineering	No	2	
Sub-total			10	
Experience of Team Leader in similar projects		Elimination Factor		
Involvement in comparable projects (Technical)	1 - 3	No	4	
	4 - 7	No	6	
	8 and above	No	10	
Sub-total			10	
Total			20	

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Site Agent: (Maximum Points obtainable 12)

Name:

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable	Points Claimed
Academic Qualifications	Qualified Civil Engineering Technician (NQF 6)	No	5	
	Qualified Civil Engineer/Technologist (NQF 7)	No	1	
Sub-total			6	
Years of experience in similar projects	1 - 3	No	2	
	4 - 7	No	4	
	8 and above	No	6	
Sub-total			6	
Total			12	

Note: Should the Site Agent be the same as Project Manager/Team Leader zero points will be allocated.

Safety Officer: (Maximum Points obtainable 4)

Name:

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable	Points Claimed
Academic Qualifications	Occupational Health and Safety Certificate	Yes	2	
Sub-total			2	
Years of experience after qualification	1- 3	No	1	
	4 and above	No	2	
Sub-total			2	
Total			4	

Note: Should the Safety Officer be the same as Team leader/Project Manager, Site Agent, zero points will be allocated.

ORGANIZATION AND STAFFING/PERSONNEL		
PERSONNEL	TOTAL	SCORES
Construction Manager/Team Leader	20	
Site Agent	12	
Safety Officer	4	
TOTAL	36	

Plant: (Maximum Points obtainable 24)

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



It must be noted that a total of 24 points are obtainable by the Construction Firm in relation to the requirements as mentioned on the table below, failure to submit evidential supporting documents is not an eliminating factor **BUT** a zero point will be scored. Letter of intent or quotation from the lessor must be attached.

Evaluation Criteria	Minimum Required	Elimination Factor	Points obtainable (Owned)	Points obtainable (Leased)	Points Claimed
Firm's plant and equipment – Note: Proof of ownership of the firm's equipment or a signed undertaking by 3 rd party to provide the plant for the duration of the contract must be attached. Failure to do so will result in forfeiting the plant points	Firm's number of Graders x 1	No	4	3	
	Firm's number of Excavators x 1	No	4	3	
	Firm's number of TLBs x 1	No	4	3	
	Firm's number of Vibratory Steel Drum Compactors x1	No	4	3	
	Firm's number of Tipper Trucks x 1	No	4	3	
	Firm's number of Water Trucks x 1	No	4	3	
Sub-total			24	18	
Total			24	18	

Experience of Firm: (Maximum Points obtainable 30)

Note: Company's previous completed projects

Provide proof of the company's previous completed projects which is in the form of verifiable appointment letters **and** completion certificates with contact details. If these are not provided, zero points will be allocated in that regard.

Evaluation Criteria	Evaluation Criteria	Elimination Factor	Points obtainable	Points Claimed
Company experience in terms of projects completed (Building projects)	1 – 3 Projects	No	10	
	4 – 6 Projects	No	20	
	7 and Above	No	30	
Sub-Total			30	
TOTAL			30	

TOTAL SCORE: _____/90

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM P: SCHEDULE OF PREVIOUS EXPERIENCE

The procedure for the evaluation of responsive Bids will be on the average of the **previous projects** where the firm was involved. Reference of clients **MUST** be provided.

Evaluation of the Tenderer's position in terms of his previous experience. Emphasis will be placed on the following:

- Experience in the relevant technical field
- Experience of contracts of similar size
- At least three of the references will be contacted to obtain their input.

Provide the following information on relevant previous experience (indicate specifically projects of similar or larger size and/or which is similar with regard to type of work. **This information is material to the award of the Contract.**

Description	Value (R) VAT excluded	Period work executed		Reference		
		Appointment Date	Completion Date	Name	Organisation	Tel no

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM Q: SCHEDULE OF CURRENT PROJECTS

Provide the following information on current projects

This information is material to the award of the Contract.

Description	Value (R) VAT excluded	Appointment Date	Expected Completion Date	Reference		
				Name	Organisation	Tel no

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM R: SCHEDULE OF INFRASTRUCTURE AND RESOURCES

Provide information on the following:

Infrastructure and resources available for this project:

1. Physical facilities and Buildings.

Description	Address	Owned / leased

2. Equipment

Provide information on equipment and resources that you have available for this project.

(Include list of equipment relevant to the project and that will align to the evaluation criteria)

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



3. Vehicles

Provide information on vehicles that you have available for this project.

Description:	Number of units	Registration Number

4. Size of enterprise and current workload

What was your turnover in the previous financial year? -----

What is the estimated turnover for your current financial year? -----

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM S: SCHEDULE OF PROPOSED SUB-CONTRACTORS

Are / Do you have sub-contractors?

YES	NO
-----	----

If yes, complete the below

NAME OF SUB-CONTRACTOR	FULL DESCRIPTION OF WORK TO BE PERFORMED BY SUB-CONTRACTOR

--

Tenderer

--

Witness 1

--

Witness 2

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Employer

--

Witness 1

--

Witness 2



FORM T: RECORD OF ADDENDA TO TENDER DOCUMENTS

Was there an addendum issued?

YES	NO
-----	----

If yes, fill or attached the communication that you received.

We confirm that the following communication received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
	Date	Title of Details

An addendum is any communication issued by Nkangala District Municipality after the briefing session

Tenderer	Witness 1	Witness 2	Employer	Witness 1	Witness 2



NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

THE CONTRACT

THE CONTRACT

Part C1: Agreements and Contract Data

- C1.1 Form of Offer and Acceptance
- C1.2 Contract Data

Part C2: Pricing Data

- C2.1 Pricing Instructions
- C2.2 Bill of quantities

Part C3: Scope of Work

- C3 Scope of Work

Part C4 : Site Information

- C4.1 Site Information

Part C5 : Annexure

- C5.2 Supply Chain Management Policy
- C5.2 Municipal Health and Safety Specification
- C5.3 Tender Drawings

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

AGREEMENTS AND CONTRACT DATA

Part C1: Agreements and Contract Data

C1.1 Form of Offer and Acceptance

C1.2 Contract Data

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



FORM C.1.1

FORM OF OFFER AND ACCEPTANCE

Form of Offer and Acceptance

Note: 1 This form of offer and acceptance is identical to that contained in Annex F of SANS 10845 - 1: Construction Procurement Processes, Procedures and Methods.
2 SAICE's Practice Manual #1, The use of South African National Standards in Construction Procurement, provides guidance on the formulation of the wording for the actual offer where it is not based on the offered total of prices.

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of: **PROJECT No: 57532: THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2**

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

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

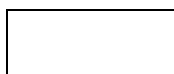
THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

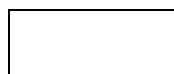
.....Rand (in words);

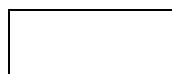
R..... (in figures) (or other suitable wording)

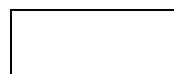
This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

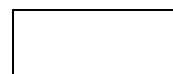
Signatures(s)			
Name(s)			
Capacity			
For the tenderer			
	(Name and address of tenderer)		
Name and signature of witness		Date	

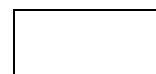

Tenderer


Witness 1


Witness 2


Employer


Witness 1


Witness 2



Acceptance

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

The terms of the contract, are contained in:

Part C1 Agreements and contract data, (which includes this agreement)

Part C2 Pricing data

Part C3 Scope of work

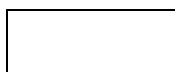
Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts

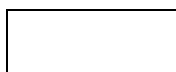
Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of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

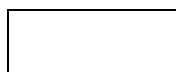
The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other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

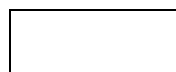
Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five (5) working days of the date of such receipt notifies the employer in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

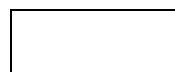
Signatures(s)			
Name(s)			
Capacity			
For the Employer			
	(Name and address of Employer)		
Name and signature of witness		Date	

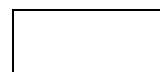

Tenderer


Witness 1


Witness 2


Employer


Witness 1


Witness 2



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 conditions of tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1 Subject

Details

2 Subject

Details

3 Subject

Details

4 Subject

Details

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

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

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



C1.2 CONTRACT DATA

THE JBCC, PRINCIPAL BUILDING AGREEMENT EDITION 6.2 MAY 2018

CONDITIONS OF CONTRACT

The Principal Building Agreement, Edition 6.2 May 2018 published by the Joint Building Contracts Committee (JBCC), PO Box 3137, Houghton, 2041, Johannesburg is applicable to this Contract and is obtainable from JBCC vendors in hard copy or electronic format on www.jbcc.co.za

CONTRACT SPECIFICATION DATA

The following contract specification data, referring to the Principal Building Agreement, Edition 6.2 May 2018 published by the Joint Building Contracts Committee (JBCC), are applicable to this contract:

Each item of data given below is cross referenced to the clause in the condition of contract to which it mainly applies.

Part 1: Data Provided by the Employer

Clause	Data
1.1	"Construction Period" means the period commencing on the intended date of possession of the site by the contractor and ending on the date of practical completion
2.5	<p>The employer's address for receipt of communication is:</p> <p>2A Walter Sisulu Street MIDDELBURG 1050 P O Box 437 Middelburg 1050</p> <p>Telephone: 013 249 2000 Facsimile: 013 249 2145</p> <p>The address and telephone number of the Employer's Agent is:</p> <p>Aseda Consulting Engineers Building 8 Constantia Park, 546 on 16th Road Midrand</p> <p>P O Box 1542 Halfway House 1685</p> <p>Tel.: (011) 312 4070 E-mail: admin@aseda.co.za</p>
5.7	<p>Add the following:</p> <p>The documentation required before commencement with Works execution are:</p> <ul style="list-style-type: none">• Health and Safety Plan,• Comprehensive Initial Programme of Works,• Securities (Refer to Clause 11.1.1)

Tenderer

Witness 1

Witness 2

Employer

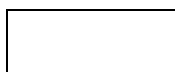
Witness 1

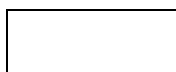
Witness 2

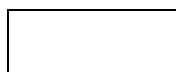


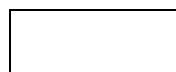
	<ul style="list-style-type: none"> • Insurances (Refer to Clause 10.1) • Detailed cashflow forecast
5.8	<p>Add the following:</p> <p>All required documentation shall be provided within fifteen (15) working days of acceptance of the contractor's tender.</p>
6.7	<p>The Name of the Employer is Nkangala District Municipality</p> <p>The NDM General Manager Technical Services is Mr. DJD Mahlangu</p>
6.9	The Employer's Agent is Aseda Consulting Engineers represented by Mr ODC Simba
10.1.1	The value of materials supplied by the Employer to be included in the insurance sum is NIL .
11.1.1	A guarantee for construction shall be equal to ten per cent (10%) of the contract sum and shall be reinforced and kept for security until the final payment certificate has been issued.
11.2.1	The guarantee for construction shall maintain and/or replace at least twenty (20) working days before such security is due to expire.
19.8	<p>Add the following:</p> <p>The period for achieving Practical Completion is ten (10) months from the intended date of possession of the site.</p>
19.9	<p>Add the following:</p> <p>The special non-working days are the official builder's holiday plus all statutory public holidays.</p> <p>The year-end break commences on 20th December and ends on 6th January.</p>
21.1	The defects liability period for the works shall commence on the calendar day following the date of practical completion and end at midnight ninety (90) calendar days from the date of practical completion or when work on the list for completion has been satisfactorily attended, whichever is the later.
24.4	The penalty for failing to bring the works, or a section thereof, to practical completion by the date for practical completion, or revised date for practical completion is TBA per day .
25.17	<p>Add the following:</p> <p>The pricing strategy is Re-measurement Contract.</p>
25.3.12	The retention amount shall be ten per cent (10%) of the value of work executed on each payment certificate.

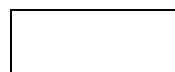
CONTRACT PRICE ADJUSTMENT SCHEDULE	
Clause	Contract Data
	The application of a Contract Price Adjustment factor will not apply to this Contract.

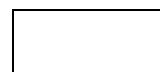

Tenderer


Witness 1


Witness 2


Employer

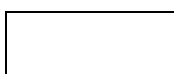

Witness 1

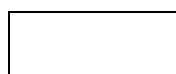

Witness 2

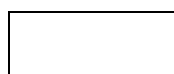


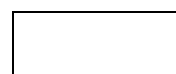
Part 2: Data Provided by the Contractor

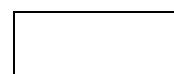
Clause	Contract Data												
1.1.1.9	<p>The name of the Contractor is:</p> <hr/> <hr/>												
1.2.1.2	<p>The address of the Contractor is:</p> <hr/> <hr/>												
6.2.1	<p>The security to be provided by the Contractor shall be one of the following:</p> <table border="1"> <thead> <tr> <th>Type of Security</th><th>Contractor's choice. Indicate "Yes" or "No"</th></tr> </thead> <tbody> <tr> <td>Cash deposit of 10% of the Contract Sum (Incl. VAT).</td><td></td></tr> <tr> <td>Performance guarantee of 10 % of the Contract Sum (Incl. VAT).</td><td></td></tr> <tr> <td>Retention of 10% of the value of the Works (Incl. VAT).</td><td></td></tr> <tr> <td>Cash deposit of 5% of the Contract Sum (Incl. VAT) plus retention of 5% of the value of the Works (Incl. VAT).</td><td></td></tr> <tr> <td>Performance guarantee of 5% of the Contract Sum (Incl. VAT) plus retention of 5% of the value of the Works (Incl. VAT).</td><td></td></tr> </tbody> </table>	Type of Security	Contractor's choice. Indicate "Yes" or "No"	Cash deposit of 10% of the Contract Sum (Incl. VAT).		Performance guarantee of 10 % of the Contract Sum (Incl. VAT).		Retention of 10% of the value of the Works (Incl. VAT).		Cash deposit of 5% of the Contract Sum (Incl. VAT) plus retention of 5% of the value of the Works (Incl. VAT).		Performance guarantee of 5% of the Contract Sum (Incl. VAT) plus retention of 5% of the value of the Works (Incl. VAT).	
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Cash deposit of 10% of the Contract Sum (Incl. VAT).													
Performance guarantee of 10 % of the Contract Sum (Incl. VAT).													
Retention of 10% of the value of the Works (Incl. VAT).													
Cash deposit of 5% of the Contract Sum (Incl. VAT) plus retention of 5% of the value of the Works (Incl. VAT).													
Performance guarantee of 5% of the Contract Sum (Incl. VAT) plus retention of 5% of the value of the Works (Incl. VAT).													
6.8.3	<p>The variation in cost of special materials is:</p> <table border="1"> <thead> <tr> <th>Special Material</th><th>Method</th><th>Price for Base Month</th></tr> </thead> <tbody> <tr> <td> </td><td></td><td></td></tr> </tbody> </table>	Special Material	Method	Price for Base Month	 								
Special Material	Method	Price for Base Month											

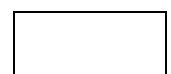

Tenderer


Witness 1


Witness 2


Employer

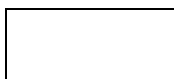

Witness 1

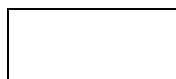

Witness 2

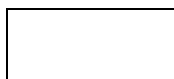


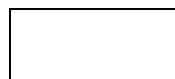
C.2.1 PRICING INSTRUCTIONS

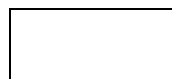
1. All activities must be invoiced on a monthly basis, based on the completion of the activity but not exceeding the allocated budget that has been priced for that activity.
2. Payment will be based on the completion of activities provided that reasonable progress towards the completion of the activity within the estimated budget is demonstrated.
3. The total price for the activities shall not be exceeded without the prior written approval and agreement of the Client.
4. The Schedule of Activities and the Bills of Quantities comprises items covering the service provider's profit and costs of general liabilities and includes costs of all services.
5. **All rates and amounts must be completed by hand in black Ink.**
6. The schedule items covering the service provider's profit or general liabilities and the construction of temporary and permanent risk.
7. Although the tenderer is at liberty to insert a rate at his own choice for each item in the schedule, his attention is drawn to the fact that the employer has the right, under various circumstances, to payment for additional work carried out and that the engineer is obliged to base his assessment and the payment to be paid for such additional work on the rates inserted in the schedule by the tenderer.
8. The prices and rates to be inserted in the schedule of quantities are to be the full inclusive prices to be the employer for the work described under several items. The prices shall be exclusive of Value Added Tax (VAT). Such prices shall cover all costs and expenses that may be required in and for the work described, and shall cover the cost of all general risks, liabilities and obligations set forth or implied in the document on which the tender is based.
9. In the event of the tenderer failing to price any item it will be construed that the tenderer has made adequate allowance under other items for all labour, material and costs required, for the exclusion, not only for the quantum of work covered by the unpriced item, but also for any increase in the said quantum which may have to be undertaken during the course of the contract.
10. For the purposes of this Schedule of Activities and Bills of Quantities, the following words shall have the meanings hereby assigned to them:
 - Unit: The unit of measurement for each item of Service provided as defined in the Standardized, Project or Particular Specifications.
 - Quantity (Qty): The number of units of work/service provision for each item.
 - Rate: The payment per unit of work/provision of services at which the Tenderer Tenders to do the work.
 - Amount: The quantity of an item multiplied by the Tendered rate of the (same) item.

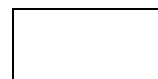

Tenderer


Witness 1


Witness 2


Employer



Witness 1



Witness 2



- Sum: An amount Tendered for an item, the extent of which is described in the schedule of activities, the scope of works or elsewhere, but of which the quantity of work is not measured in units.



Tenderer


Witness 1


Witness 2


Employer


Witness 1


Witness 2

BILL OF QUANTITIES

BUILDING WORKS

1

Brought Forward

R

PREAMBLES FOR TRADES

The Model Preambles for Trades (1999 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained

Supplementary preambles to the Model Preambles covering clauses of a general nature, clauses pertaining to specific materials and amendments to clauses in the Model Preambles are incorporated in these bills of quantities to satisfy the requirements of this project

The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles

GENERAL

If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories "F", "T" or "V" as the case may be below such item, where "F" denotes a fixed amount (amount not to be varied), "T" denotes an amount variable in proportion to time and "V" denotes an amount variable in proportion to value

SECTION A - PRINCIPAL BUILDING AGREEMENT**Definitions (A1)**

1 Definitions and interpretation (clause 1)

F:..... V:..... T:.....

Item

Carried Forward

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

Brought Forward		R
<u>Objective and Preparation (A2 to A14)</u>		
2	Offer acceptance and performance (clause 2)	
	F:..... V:..... T:.....	Item
3	Documents (clause 3)	
	F:..... V:..... T:.....	Item
4	Design responsibility (clause 4)	
	F:..... V:..... T:.....	Item
5	Employer's agents (clause 5)	
	F:..... V:..... T:.....	Item
The principal agent shall:		
- monitor and control progress and scheduling		
- monitor all contract conditions, and		
- coordinate the efforts of the employer's agents, the contractor and subcontractors		
The powers conferred on the principal agent in terms of this clause and/or the exercising of these powers shall not be construed as removing or diminishing any of the obligations of the Contractor in terms of the Principal Building Agreement, whether financial, contractual or otherwise, nor shall the exercising of these powers create any privity of contract as between the Employer or his agents on the one part and the Contractor or subcontractors or suppliers on the other part		
Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries		

Carried Forward

R

Brought Forward		R	
	The principal agent reserves the right to attend and participate in all contractor/subcontractor's meetings, to invite other employer's agents to attend such meetings at his discretion and to converse and chair any such meetings if the contractor is derelict in his duty in arranging such meetings to the degree of frequency and comprehensiveness dictated in the opinion of the project manager by the circumstances and exigencies of the construction process		
6	Site representative (clause 6)		
	F:..... V:..... T:.....	Item	
7	Compliance with regulations (clause 7)		
	F:..... V:..... T:.....	Item	
8	Works risk (clause 8)		
	F:..... V:..... T:.....	Item	
9	Indemnities (clause 9)		
	F:..... V:..... T:.....	Item	
10	Works insurances (clause 10)		
	F:..... V:..... T:.....	Item	
11	Liability insurances (clause 11)		
	F:..... V:..... T:.....	Item	
12	Effecting insurance (clause 12)		
	F:..... V:..... T:.....	Item	
Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries			

13 NO CLAUSE

N/A

Carried Forward

R

Brought Forward

R

14 Security (clause 14)

F:..... V:..... T:.....

Item

Execution (A15-A23)

15 Preparation for and execution of the works (clause 15)

F:..... V:..... T:.....

Item

16 Access to the works (clause 16)

F:..... V:..... T:.....

Item

17 Contract instructions (clause 17)

F:..... V:..... T:.....

Item

18 Setting out of the works (clause 18)

F:..... V:..... T:.....

Item

The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments

19 Assignment (clause 19)

F:..... V:..... T:.....

Item

The contractor shall not cede his rights or delegate his obligations in terms of this agreement unless specifically called for by the employer

20 Nominated subcontractors (clause 20)

F:.....

V:.....

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

T:.....

Carried Forward

Item

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

Brought Forward

R

21 Selected subcontractors (clause 21)

F:..... V:..... T:.....

Item

Written proof is required from subcontract tenderers at tendering that they can meet the JBCC Selected Subcontract Agreement or other tender agreements and provide security in terms of the agreement. If the above is not provided the tender may not be accepted

All amounts allowed under Provisional Amounts are intended to be awarded to Selected Subcontractors

22 Employer's Direct Contractors (clause 22)

F:..... V:..... T:.....

Item

23 Contractor's Domestic Sub-Contractors (Clause 23)

F:..... V:..... T:.....

Item

Completion (A24-A30)

24 Practical completion (clause 24)

F:..... V:..... T:.....

Item

25 Works completion (clause 25)

F:..... V:..... T:.....

Item

26 Final completion (clause 26)

F:..... V:..... T:.....

Item

27 Latent defects liability period (clause 27)

F:..... V:..... T:.....

Item

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

28 Sectional completion (clause 28)

F:..... V:..... T:.....

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R

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- 29 Revision of date of practical completion (clause 29)

F:..... V:..... T:.....

Item

The removal and replacement of materials and/or workmanship that do not conform to specification or drawings shall not constitute grounds for an extension of the construction period nor for an adjustment to the contract sum (clause 29.3)

- 30 Penalty for non-completion (clause 30)

F:..... V:..... T:.....

Item

Payment (A31 - A35)

- 31 Interim payment to the contractor (clause 31)

F:..... V:..... T:.....

Item

- 32 Adjustment to the contract value (clause 32)

F:..... V:..... T:.....

Item

Where prices are submitted by the contractor or nominated/selected subcontractors during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing

- 33 Recovery of expense and loss (clause 33)

F:..... V:..... T:.....

Item

- 34 Final account and final payment (clause 34)

F:..... V:..... T:.....

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The employer shall not pay any interest on amounts payable to the contractor for one hundred and forty two (142) days after the date of issue of the certificate of practical completion

The employer shall, however, pay interest to the contractor at the rate stipulated in clause 34.11 on any amounts payable to the contractor more than one hundred and forty two (142) days after the date of issue of the certificate of practical completion but only for such period as the settlement of the final account is delayed by the non-performance of the principal agent or the employer or his agents. In evaluating non-performance for purposes of this clause a reasonable time shall be allowed to the employer or his agents to respond to any matter brought to his/their attention and which may affect the settlement of the final account

35 Payment to other parties (clause 35)

F:..... V:..... T:.....

Item

Cancellation (A36-A39)

36 Cancellation by employer - contractor's default (clause 36)

F:..... V:..... T:.....

Item

37 Cancellation by employer - loss and damage (clause 37)

F:..... V:..... T:.....

Item

38 Cancellation by contractor - employer's default (clause 38)

F:..... V:..... T:.....

Item

39 Cancellation - cessation of the works (clause 39)

F:..... V:..... T:.....

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Brought Forward		R
<u>Dispute (A40)</u>		
40	Dispute Settlement (clause 40) F:..... V:..... T:.....	Item
<u>Substitute Provisions (A41)</u>		
41	State clauses (Clause 41) F:..... V:..... T:..... Information necessary for the completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder	Item
<u>THE SCHEDULE</u> Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder		
42	Pre-tender information (clause 42) F:..... V:..... T:.....	Item
<u>42.1 CONTRACTING AND OTHER PARTIES</u>		
42.1.1 Employer: As per information on the information data		
42.1.2 Principal Agent: As per the information on the tender data		
42.1.3 Architect: As per the information on the tender data		
42.1.4 Quantity Surveyor: As per the information on the tender data		
42.1.5 Structural/Civil Engineer: As per the information on the tender data		
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<p style="text-align: right;">Brought Forward</p> <p>42.1.6 Electrical Engineer: As per the information on the tender data</p> <p>42.1.7 Mechanical Engineer: As per the information on the tender data</p> <p><u>42.2 CONTRACT DETAILS</u></p> <p>42.2.1 Works Description:</p> <p>42.2.2 Site Description:</p> <p>42.2.3 Work or installations by direct contractors:</p> <p>N/A</p> <p>42.2.4 This agreement is for a government contract where there are specific options that are applicable to a State organ only</p> <p style="text-align: right;">Yes</p> <p>42.2.5 Date on which possession of the site is intended to be given:</p> <p style="text-align: right;">TBC</p> <p>42.2.6 Period for the commencement of the works after the contractor takes possession</p> <p style="text-align: right;">TBC</p> <p>42.2.7 For the works as a whole. Intended date of practical completion and the penalty per calendar day</p> <p style="text-align: right;"><i>Penalty Amount</i> 5.00 cents per R100 of the total contract amount</p> <p>42.2.8 For the works in sections: N/A</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p>
	<p style="text-align: center;">R</p>

Brought Forward	R
42.2.9 The law applicable to this agreement shall be that of	
South Africa	
<u>42.3 INSURANCES</u>	
42.3.1 Contract works insurance to be effected by:	
<i>Contractor:</i>	
<i>For the Sum of R Contract Amount + 20.00 %</i>	
<i>With a deductible of - to be determined by the contractor</i>	
42.3.2 Supplementary insurance is required	
No	
42.3.3 Public liability insurance to be effected by:	
<i>Contractor:</i>	
<i>For the Sum of R 2 500 000-00</i>	
<i>With a deductible of - to be determined by the contractor</i>	
<u>42.4 DOCUMENTS</u>	
42.4.1 Waivers of contractors lien or right of continuing possession is required	
Yes	
42.4.2 Number of construction document copies to be supplied to the contractor free of charge:	
3 Number of	
42.4.3 Bills of Quantities/Lump sum document schedule of rates drawn up in accordance with:	
"Standard System of Measuring Builders' Work"	
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Brought Forward		R
42.4.4	On acceptance of the tender the bills of quantities/lump sum document is to be submitted within working days <i>The priced bills of quantities must be handed in with the tender</i>	
42.4.5	JBCC Engineering General Conditions are to be included in the contract documents : <i>No</i>	
42.4.6	The contract value is to be adjusted using escalation adjustment indices NO Where JBCC CPAP is to be used: <i>Base Month</i> N/A	
42.4.7	Details of changes made to the provision of JBCC standard documentation:	
<u>SECTION B: PRELIMINARIES</u>		
<u>Definitions and interpretation (B1)</u>		
43	Definition and interpretation (B1.1 - B1.4.6) F:..... V:..... T:.....	Item
<u>Documents (B2)</u>		
44	Checking of documents (B2.1) F:..... V:..... T:.....	Item
45	Provisional bills of quantities (B2.2) F:..... V:..... T:.....	N/A
46	Availability of construction documentation (B2.3) F:..... V:..... T:.....	Item
Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries		

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47	Interests of agents (B2.4)	
	F:..... V:..... T:.....	Item
48	Priced documents (B2.5)	
	F:..... V:..... T:.....	Item
49	Tender submission (B2.6)	
	F:..... V:..... T:.....	Item
	<u>The site (B3)</u>	
50	Defined works area (B3.1)	
	F:..... V:..... T:.....	Item
51	Geotechnical investigation (B3.2)	
	F:..... V:..... T:.....	Item
52	Inspection of the site (B3.3)	
	F:..... V:..... T:.....	Item
	Existing premises occupied (B3.4)	
	F:..... V:..... T:.....	
	Previous work - dimensional accuracy (B3.5)	
	F:..... V:..... T:.....	
	Previous work - defects (B3.6)	
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F:..... V:..... T:.....

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53 Services - known (B3.7)

F:..... V:..... T:.....

Item

54 Services - unknown (B3.8)

F:..... V:..... T:.....

Item

55 Protection of trees etc (B3.9)

F:..... V:..... T:.....

Item

56 Articles of value (B3.10)

F:..... V:..... T:.....

Item

57 Inspection of adjoining properties etc (B3.11)

F:..... V:..... T:.....

Item

Management of contract (B4)

58 Management of the works (B4.1)

F:..... V:..... T:.....

Item

59 Programme for the works (B4.2)

F:..... V:..... T:.....

Item

60 Progress meetings (B4.3)

F:..... V:..... T:.....

Item

61 Technical meetings (B4.4)

F:.....
V:.....Section No. 1
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62 Labour and Plant records (B4.5)

F:..... V:..... T:.....

Item

Samples, Shop Drawings and Manufacturer's Instructions (B5)

63 Samples of materials (B5.1)

F:..... V:..... T:.....

Item

64 Workmanship samples (B5.2)

F:..... V:..... T:.....

Item

65 Shop drawings (B5.3)

F:..... V:..... T:.....

Item

66 Compliance with Manufacturer's Instructions (B5.4)

F:..... V:..... T:.....

Item

Temporary works and plant (B6)

67 Deposits and fees (B6.1)

F:..... V:..... T:.....

Item

68 Enclosure of the works (B6.2)

F:..... V:..... T:.....

Item

69 Advertising (B6.3)

F:..... V:..... T:.....

Item

70 Plant, equipment, sheds and offices (B6.4)

F:.....

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71 Main notice board (B6.5)

F:..... V:..... T:.....

N/A

72 Subcontractors' notice board (B6.6)

F:..... V:..... T:.....

N/A

Temporary services (B7)

73 Location (B7.1)

F:..... V:..... T:.....

Item

74 Water (B7.2)

Option [A] shall apply

F:..... V:..... T:.....

Item

75 Electricity (B7.3)

Option [A] shall apply

F:..... V:..... T:.....

Item

76 Telecommunication facilities (B7.4)

F:..... V:..... T:.....

Item

77 Ablution facilities (B7.5)

Option [A] shall apply

F:..... V:..... T:.....

Item

Prime cost amounts (B8)

78 Responsibility for prime cost amounts (B8.1)

F:..... V:..... T:.....

Item

Attendance on N/S Subcontractors (B9)

79 General attendance (B9.1)

F:.....
V:.....Section No. 1
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T:.....

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80 Special attendance (B9.2)

F:..... V:..... T:.....

Item

81 Commissioning - Fuel, water and power (B9.3)

F:..... V:..... T:.....

Item

Financial aspects (B10)

Statutory taxes, duties and levies (B10.1)

F:..... V:..... T:.....

Item

82 Payment of preliminaries (B10.2)

Option [B] shall apply

F:..... V:..... T:.....

Item

83 Adjustment of preliminaries (B10.3)

Option [A] shall apply

F:..... V:..... T:.....

Item

84 Payment certificate cash flow (B10.4)

F:..... V:..... T:.....

Item

General (B11)

85 Protection of works (B11.1)

F:..... V:..... T:.....

Item

86 Protection/isolation of existing/sectionally occupied works (B11.2)

F:..... V:..... T:.....

N/A

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87 | Security of the Works (B11.3)
F:..... V:..... T:.....

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88 Notice before covering work (B11.4)

F:..... V:..... T:.....

Item

89 Disturbance (B11.5)

F:..... V:..... T:.....

Item

90 Environmental Disturbance (B11.6)

F:..... V:..... T:.....

Item

91 Works cleaning and clearing (B11.7)

F:..... V:..... T:.....

Item

92 Vermin (B11.8)

F:..... V:..... T:.....

Item

93 Overhand work (B11.9)

F:..... V:..... T:.....

Item

94 Instruction manuals and guarantees (B11.10)

F:..... V:..... T:.....

Item

95 As built information (B11.11)

F:..... V:..... T:.....

Item

96 Tenant Installations (B11.12)

F:..... V:..... T:.....

Item

Schedule of variables (B12)

97 Pre-tender information (B12.1)

F:.....
V:.....
T:.....Section No. 1
PRELIMINARIES
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		Item	
12.1.1	Provisional bills of quantities (B2.2) The quantities are provisional:		
	No		
	Carried Forward		R
Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries			

<p style="text-align: center;">Brought Forward</p> <p>12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete <i>No</i></p> <p>12.1.3 Interest of agents (B2.4)</p> <p>12.1.4 Defined works area (B3.1)</p> <p>12.1.5 Geotechnical investigation (B3.2) N/A</p> <p>12.1.6 Existing premises occupied (B3.4)</p> <p>12.1.7 Previous work - dimensional accuracy (B3.4)</p> <p>12.1.8 Previous work - defects (B3.5)</p> <p>12.1.9 Services - known (B3.7)</p> <p>12.1.10 Protection of trees (B3.9) All trees should be protected and only on instruction of the Principal Agent may any trees be removed</p> <p>12.1.11 Inspection of adjoining properties (B3.11)</p> <p>12.1.12 Enclosure of the works (B6.2)</p> <p>12.1.13 Offices (B6.4.3) An office for the clerck of works should be provided</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>
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	Brought Forward	R	
12.1.14 Main notice board (B6.5)	Yes		
12.1.15 Subcontractors notice board (B6.6) A notice board is required	No		
12.1.16 Water (B7.2) Alternative Selected: A			
12.1.17 Electricity (B7.3) Alternative selected: A			
12.1.18 Telecommunications (B7.4)			
12.1.19 Ablution facilities (B7.5) Alternative selected: A			
12.1.20 Protection of existing/sectionally occupied works (B11.2)			
12.1.21 Special attendance (B9.2) Subcontractor (1) details: N/A			
12.1.22 Protection of the works (B11.1) N/A			
12.1.23 Disturbance (B11.5) N/A			
12.1.24 Environmental Disturbance (B11.6) N/A			
<u>Post tender information (B12.2)</u>			
12.2.1 Payment of preliminaries Alternative selected: B			
	Carried Forward	R	
Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries			

Brought Forward		R
12.2.2	Adjustment of preliminaries Alternative selected: A	
12.2.3	Additional agreed preliminaries items N/A	
<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included		
98	Site instructions Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor F: V: T:	Item
99	Black economic empowerment and training F: V: T:	Item
100	Proprietary branded products F: V: T:	Item
101	Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F: V: T:	Item
Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries		

Carried Forward

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Brought Forward		R	
	The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative		
102	Contract instructions F:..... V:..... T:.....	Item	
	Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor		
103	Labour record F:..... V:..... T:.....	Item	
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week		
104	Plant record F:..... V:..... T:.....	Item	
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week		
105	Guarantees F:..... V:..... T:.....	Item	
Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries			

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106	<p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement</p> <p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p>	Item
107	<p>Co-operation of contractor for cost management</p> <p>F:..... V:..... T:.....</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors</p>	Item
<p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries</p>		

Carried Forward

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Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 1</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>EARTHWORKS</u>			
	<u>EXCAVATION. FILLING. ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Trenches	m3	156	
2	Holes	m3	61	
3	Trenches and holes for thickening under surface bed, etc	m3	4	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
4	Soft rock	m3	11	
5	Hard rock	m3	23	
	<u>Extra over all excavations for carting away</u>			
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	93	
	Carried Forward		R	
	Section No. 2 COMMUNITY HALL Bill No. 1 Foundations (Provisional)			

Brought Forward			R
<u>Risk of collapse of excavations</u>			
7	Sides of trench and hole excavations not exceeding 1,5m deep	m2	598
<u>Keeping excavations free of water</u>			
8	Keeping excavations free of all water other than subterranean water	Item	
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
9	Backfilling to trenches, holes, etc	m3	124
<u>Prescribed density tests on filling</u>			
10	Modified AASHTO density tests	No	25
<u>SOIL POISONING</u>			
<u>Soil insecticide</u>			
11	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1,373
12	To bottoms and sides of trenches	m2	905
Section No. 2 COMMUNITY HALL Bill No. 1 Foundations (Provisional)			

Carried Forward to Summary of Section No. 2

R

Section No. 2
COMMUNITY HALL
Bill No. 1
Foundations (Provisional)

45

Brought Forward			R
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"			
<u>UNREINFORCED CONCRETE</u>			
<u>15MPa/19mm concrete</u>			
1	Surface blinding under footings and bases	m3	4
2	Concrete channels	m3	12
3	Concrete aprons	m3	22
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
4	Strip footings	m3	62
5	Bases	m3	20
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
6	Steps, urinal steps, cupboard platforms, etc	m3	1
7	Surface beds on waterproofing	m3	133
8	Ramps	m3	2
9	Columns in foundations	m3	2
<u>TEST BLOCKS</u>			
10	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	70
Carried Forward			R
Section No. 2 COMMUNITY HALL Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
11	Ramps, slabs, etc to falls	m2	11
12	Surface bed	m2	1,361
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
13	Edges, risers, ends and reveals not exceeding 300mm high	m	19
14	Rectangular columns in foundations	m2	19
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete surfaces</u>			
15	10mm Joints not exceeding 300mm high	m	73
<u>Expansion joints with softboard between vertical concrete and brick surfaces</u>			
16	10mm Joints exceeding 300mm high	m	127
<u>Saw cut joints</u>			
17	3 x 30mm Saw cut joints in two operations in top of concrete	m	125
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
18	12mm Diameter bars	t	1.13
19	10mm Diameter bars	t	1.03
Section No. 2 COMMUNITY HALL Bill No. 2 Concrete, Formwork and Reinforcement			

Carried Forward

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Section No. 2
COMMUNITY HALL
Bill No. 2
Concrete, Formwork and Reinforcement

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Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.			
	<u>SUBSTRUCTURE</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
1	One brick walls	m2	368	
	<u>Brickwork reinforcement</u>			
2	150mm Wide reinforcement built in horizontally	m	4,330	
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
3	Half brick walls	m2	101	
4	Half brick walls in beamfilling	m2	23	
	Carried Forward			
	Section No. 2 COMMUNITY HALL Bill No. 3 Masonry			
			R	

Brought Forward

R

5	Half brick linings to steel columns	m2	34
6	One brick walls	m2	1,031
7	Brick piers	m3	0.5

BRICKWORK SUNDRIES**Brickwork reinforcement**

8	75mm Wide reinforcement built in horizontally	m	298
9	150mm Wide reinforcement built in horizontally	m	3,819

Turning pieces

10	115mm Wide turning piece to lintels etc	m	186
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Galvanised hoop iron cramps, ties, etc

11	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	103
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FACE BRICKWORK**External face bricks (Prime Cost Amount R 3 500.00/1000) pointed with flush horizontal and vertical joints**

12	Extra over brickwork for face brickwork	m2	1,099
13	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffits	m	97

Brick-on-edge header course copings, sills, etc of external face bricks (Prime Cost Amount R 3 500.00/1000) pointed with recessed joints on all exposed faces

14	220mm Wide sill set sloping and slightly projecting	m	113
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NUTEC-CEMENT WINDOW SILLS**Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc**

15	15 x 150mm Wide sills set flat and slightly projecting Section No. 2 COMMUNITY HALL Bill No. 3 Masonry	m	83
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Carried Forward to Summary of Section No. 2

R

Section No. 2
COMMUNITY HALL
Bill No. 3
Masonry

Item No			Quantity	Rate	Amount
	<u>SECTION 2</u>				
	<u>BILL NO. 4</u>				
	<u>WATERPROOFING</u>				
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>				
	<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</u>				
1	In walls	m2	36		
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
2	Under surface beds	m2	1,373		
	<u>JOINT SEALANTS, ETC</u>				
	<u>"Denbraven LM15" polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
3	10 x 10mm In expansion joints in floors	m	127		
4	3 x 30mm In saw cut joints in floors	m	125		
	Carried Forward to Summary of Section No. 2				
					R
	Section No. 2				
	COMMUNITY HALL				
	Bill No. 4				
	Waterproofing				

Item No			Quantity	Rate	Amount
	<u>SECTION 2</u>				
	<u>BILL NO. 5</u>				
	<u>ROOF COVERINGS ETC</u>				
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
	<u>0.58mm Thick 'Klip-lock 700' heavy industrial galvanised roof sheeting with chromadeck white lion finish on one side in single lengths fixed to steel purlins including heavy industrial chromadeck finishings all fixed in strict accordance with the manufacturer's instructions:</u>				
1	Roof covering with pitch not exceeding 25 degrees	m2	1,149		
2	Side cladding	m2	319		
3	Ridge flashings 308mm girth	m	29		
4	Head wall flashings 308mm girth	m	51		
5	Drip flashing 154mm girth	m	151		
	<u>ROOF AND WALL INSULATION</u>				
	<u>"Sisalation FR430" fire retardant aluminium foil insulation</u>				
6	Insulation laid taut over purlins (at approximately 1 200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	1,149		
	Carried Forward to Summary of Section No. 2				
	Section No. 2 COMMUNITY HALL Bill No. 5 Roof Coverings, etc				R

Item No	Quantity	Rate	Amount
<u>SECTION 2</u>			
<u>BILL NO. 6</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Particle board:</u>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<u>Joinery:</u>			
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
<u>Decorative laminate finish:</u>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
<u>ROOFS. ETC</u>			
Carried Forward			
Section No. 2 COMMUNITY HALL Bill No. 6 Carpentry and Joinery			R

Brought Forward			R	
<u>Plate nailed timber roof truss construction</u>				
The following is applicable in respect of roof trusses:				
Trusses are at maximum 1,20m centres				
Roof covering is galvanised Corrugated roof sheeting with "Globalcoat" finish on one side on 50 x 76mm purlins at 1,2m maximum centres.				
Ceilings are generally 9mm gypsum plasterboard on 38 x 38mm brandering.				
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.				
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.				
All joints to be close fitted butt joints.				
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.				
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences.				
Tenderers must study the roof plan and sections (refer drawing No.'s HALL - 001 to - 002) as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.				
<u>Sawn softwood</u>				
1	38 x 114mm Wall plates	m	54	
2	Design, manufacture and deliver on site plate nailed roof truss construction with overhang projecting on one side, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere).	m2	331	
Carried Forward			R	
Section No. 2 COMMUNITY HALL Bill No. 6 Carpentry and Joinery				

Brought Forward			R
3	Take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gangboarding, temporary and permanent bracing, etc (measured on slope of roof).	m2	331
<u>Sundries</u>			
4	Two coats creosote on sawn timbers	m2	132
<u>DOORS ETC</u>			
<u>Semi-solid flush doors with commercial veneer hung to steel frames</u>			
5	44mm Door 900 x 2 126mm high	No	28
<u>New standard solid core</u>			
6	40mm Door 1,500 x 2,125mm high	No	7
<u>FITTINGS</u>			
<u>General</u>			
The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc (refer Architect's drawings as attached to the back of these Bills of Quantities)			
<u>Fittings to Hall Tuck Shop</u>			
7	Timber lockers 2, 100mm high overall comprising, bottoms, sides, divisions, shelves, backs, doors, drawers, etc as per architects drawing	m	7
Section No. 2 COMMUNITY HALL Bill No. 6 Carpentry and Joinery			

Carried Forward

R

Brought Forward			R
<u>Fittings to Hall Kitchen</u>			
8	L-shaped floor cupboard measuring 3 000mm long on centre line x 600mm wide x 830mm high overall comprising, bottoms, sides, divisions, shelves, backs, doors, drawers, etc (concrete worktop and sink elsewhere measured) as per architects drawing specification	No	1
9	U-shaped floor cupboard measuring 12 100mm long on centre line x 600mm wide x 830mm high overall comprising, bottoms, sides, divisions, shelves, backs, doors, drawers, etc (concrete worktop and sink elsewhere measured) as per architects drawing specification	No	1
<u>Timber Fittings</u>			
10	Shelving 350mm wide made up of 25mm thick hardwood top and 250 x 250mm high triangular mild steel brackets bolted to wall complete with paint and varnish as per architect's specification	m	6
11	Allow a PC Rate of R220/m for the supply of timber benches as per architect's specification	m	6
Carried Forward to Summary of Section No. 2			R
Section No. 2 COMMUNITY HALL Bill No. 6 Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 7</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	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			
	<u>CEILINGS ETC</u>			
	<u>"Aerolite" insulation</u>			
1	75mm Insulation closely fitted and laid on top of brander between roof timbers etc	m2	63	
	<u>SUSPENDED CEILINGS</u>			
	<u>Proprietary suspended ceilings</u>			
	<u>Note:</u>			
	Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)			
	<u>Pre-painted 600 x 1200mm mineral fibre lay-in acoustic panels on pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc</u>			
	Section No. 2 COMMUNITY HALL Bill No. 7 Ceilings, Partitions and Access Flooring			

Carried Forward

R

Brought Forward			R
	<u>OWAacoustic® Sandila 70/N needed Biologically absorbable mineral wool ceiling tiles or similar and approved size 600 x 600 x 15mm thick with square edge and white painted finish laid on Fire Rated OWA Construct® S15 exposed demountable system pre-painted exposed T15 tee suspension system including galvanised main tees, cross tees, hold-down clips and wedges, all suspended with galvanised hangers at centres not exceeding 1200mm</u>		
2	Ceilings suspended not exceeding 1m below concrete soffits	m2	704
	<u>"Donn" or similar and approved cornices to suspended ceilings</u>		
3	Type SM 25 pre-painted cornices, plugged	m	110
<u>NAILED UP CEILINGS</u>			
	<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>		
4	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	344
5	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	3
	<u>"Rhino" gypsum plasterboard cornices</u>		
6	75mm Coved cornices	m	281
Section No. 2			
COMMUNITY HALL			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Carried Forward to Summary of Section No. 2

R

Section No. 2
COMMUNITY HALL
Bill No. 7
Ceilings, Partitions and Access Flooring

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 8</u>			
	<u>IRONMONGERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	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			
	NP Nickle plated			
	<u>LOCKS</u>			
	<u>"Mazac Tarpon"</u>			
1	"952/2L" or other equal and approved two lever lockset with chrome plated finish with striking plate fixed to metal	No	23	
2	"952/4L" or other similar and approved four lever lockset with chrome plated finish with striking plate fixed to metal or timber	No	7	
	<u>"Dorma"</u>			
3	Stainless steel bathroom sash lock	No	9	
4	Stainless steel bathroom dead lock	No	3	
	<u>"EN-SUITE" LOCKS</u>			
	Carried Forward		R	
	Section No. 2 COMMUNITY HALL Bill No. 8 Ironmongery			

Brought Forward			R
<u>"Dorma"</u>			
5	Bathroom WC indicator (red and white) with 79mm turnknob,	No	9
6	Disabled WC indicator (red and white) turnknob for physical impaired,	No	3
<u>HANDLES</u>			
<u>"Dorma"</u>			
7	32 x 350mm Stainless steel DPH213 "D" straight back-to-back pull handles	No	25
<u>PUSH PLATES AND KICKING PLATES</u>			
8	1,6mm Satin finished stainless steel kickplate plate size 800 x 300 high fixed to timber	No	6
<u>DOOR CLOSERS</u>			
<u>"Dorma"</u>			
9	"TS83" door closer with bracket fixed to metal	No	4
<u>LETTERS.NAMEPLATES.ETC</u>			
<u>"Union"</u>			
10	"AL5066-06ASE10" 152 x 152mm anodised aluminium plate with male pictogram	No	2
11	"AL5066-06ASE11" 152 x 152mm anodised aluminium plate with female pictogram	No	2
12	"AL5066-06ASE14" 152 x 152mm anodised aluminium plate with paraplegic pictogram	No	3
13	"AL5066-06ASE02" 152 x 152mm anodised aluminium plate with teacup pictogram	No	1
<u>BATHROOM FITTINGS</u>			
Section No. 2 COMMUNITY HALL Bill No. 8 Ironmongery			

Carried Forward

R

Brought Forward			R
<u>"Stiebel Eltron"</u>			
14	"PTFS-S" Paper towel dispenser plugged	No	11
15	"SDSS" Soap dispenser plugged	No	11
<u>"Nampak"</u>			
16	"TR2" lockable toilet roll holder plugged	No	12
<u>"Chairman Industries"</u>			
17	32mm "DL2" Stainless steel side grab rail 600mm girth plugged	No	3
18	32mm "SR2" Stainless steel rear grab rail 600mm long plugged	No	3
<u>"Stiebel Eltron" or other approved</u>			
19	Hand dryers	No	11
<u>Corner protectors</u>			
20	50 x 50 x2mm Aluminium angle section corner protectors.	m	48
<u>SUNDRIES</u>			
<u>"Union"</u>			
21	"AL8730AS" door stop plugged	No	35
22	"AL8722AS" rubber tipped hat and coat hook	No	12
<u>PINNING BOARDS. WRITING BOARDS. PROJECTION SCREENS. ETC</u>			
<u>"Vitrex"</u>			
23	White writing board 2,400 x 1,200mm high with chalk rail plugged	No	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
COMMUNITY HALL			
Bill No. 8			
Ironmongery			

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 9</u>			
	<u>STRUCTURAL STEEL (PROVISIONAL)</u>			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	<u>STEEL COLUMNS AND BEAMS</u>			
	<u>Welded beams in single lengths with flat section bearer and connection plates bolted to concrete columns</u>			
1	254 x 146mm x 31kg/m I-section columns	t	4.43	
	<u>Bolts to columns, beams, etc</u>			
2	Allowance for connections including bolts	t	1.64	
	<u>STEEL TRUSSES ETC</u>			
	Section No. 2 COMMUNITY HALL Bill No. 9 Structural Steelwork (Provisional)			

Carried Forward

R

Section No. 2
COMMUNITY HALL
Bill No. 9
Structural Steelwork (Provisional)

Brought Forward			R
<u>Welded roof trusses of angle section rails, struts, braces, cleats, etc and flat section bearer, gusset and connection plates bolted to steel</u>			
3	60 x 60 x 6kg/m L-section beam	t	3.18
4	70 x 70 x 8kg/m L-section beam	t	1.63
<u>PURLINS, GIRTS, BRACING, ETC</u>			
<u>Purlins and girts bolted to steel</u>			
5	150 x 65 x 20 x 3.0 Lipped channel section purlins	t	4.82
<u>Welded bracing etc with flat section connection plates bolted to steel</u>			
6	50 x 50 x 5kg/m L-section bracing	t	0.65
7	60 x 60 x 5kg/m L-section knee bracing	t	1.40
8	60 x 60 x 5kg/m L-section cleat	t	0.18
9	12mm Diameter sag rods	t	0.14
Section No. 2 COMMUNITY HALL Bill No. 9 Structural Steelwork (Provisional)			

Carried Forward to Summary of Section No. 2

R

Section No. 2
COMMUNITY HALL
Bill No. 9
Structural Steelwork (Provisional)

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 10</u>			
	<u>METALWORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	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 bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>STAINLESS STEEL HANDRAILS, BALUSTRADES, ETC</u>			
	<u>Stainless steel balustrades</u>			
1	Horizontal stainless steel balustrades 1000mm high bolted to concrete or brickwork	m	9	
2	Raking stainless steel balustrades 1000mm high	m	4	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1,2mm Double rebated frames suitable for half brick walls</u>			
3	Frame for door 900 x 2 125mm high	No	12	
	<u>1,2mm Double rebated frames suitable for one brick walls</u>			
4	Frame for door 900 x 2 126mm high	No	16	
5	Frame for double door 1 511 x 2 032mm high	No	7	
	<u>STEEL WINDOWS, DOORS, ETC</u>			
	Carried Forward		R	
	Section No. 2 COMMUNITY HALL Bill No. 10 Metalwork			

Brought Forward			R
<u>Standard awning type residential windows with type "B2" burglar bars to opening sashes</u>			
6	Window size 600 x 654mm high (W05, W06, W07, W08, W09, W10, W11, W14, W15, W31)	No	10
7	Window size 600 x 900mm high (W12, W13, W17, W25, W27)	No	5
8	Window size 1,511 x 645mm high (W16, W26, W28, W29, W30)	No	5
9	Window size 1,511 x 950mm high (W01)	No	1
10	Window size 1,511 x 1,245mm high (W02, W18, W19, W20, W21, W22, W23, W24, W34, W35, W36, W37, W38)	No	13
11	Window size 1,511 x 1,600mm high (W03, W04, W32, W33)	No	4
12	Window size 3,550 x 850mm high (W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W50, W51, W52, W53)	No	15
<u>GALVANIZED STEEL LOUVRE PANELS</u>			
<u>Louvre panels screwed into steel window frames</u>			
13	Panel 3,550 x 850mm high	No	15
<u>STEEL ROLLER SHUTTERS ETC</u>			
<u>"Serranda" Epoxy powder coated roller shutters fixed to brickwork or concrete</u>			
14	Manual push-up slatted roller shutter for 2 500 x 1 500mm high opening	No	1
Section No. 2 COMMUNITY HALL Bill No. 10 Metalwork			

Carried Forward to Summary of Section No. 2

R

Section No. 2
COMMUNITY HALL
Bill No. 10
Metalwork

75

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 12</u>			
	<u>TILING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	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			
	<u>WALL TILING</u>			
	<u>200 x 200 x 6mm White glazed ceramic tiles (Prime Cost Amount R 120.00/m2) fixed with adhesive to plaster (plaster elsewhere)</u>			
1	On walls	m2	288	
2	On narrow widths	m2	7	
	<u>FLOOR TILING</u>			
	<u>300 x 300mm x 8mm Ceramic tiles (Prime Cost Amount R150.00/m2) fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
3	On floors and landings	m2	1,052	
4	Skirting 75mm high	m	353	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	COMMUNITY HALL			
	Bill No. 12			
	Tiling			

R

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 13</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>uPVC pipes and fittings:</u>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>uPVC pressure pipes and fittings:</u>			
	Pipes for water supply shall be of the class stated			
	Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
	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			
	<u>Copper pipes:</u>			
	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			
	<u>Fixing of pipes</u>			
	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		R	
	Section No. 2 COMMUNITY HALL Bill No. 13 Plumbing and Drainage (Provisional)			

Brought Forward

R

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

R

Section No. 2
COMMUNITY HALL
Bill No. 13
Plumbing and Drainage (Provisional)

Brought Forward			R
<u>Flush pans</u>			
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary			
<u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u>			
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable			
<u>Waste unions</u>			
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings			
<u>SANITARY FITTINGS</u>			
<u>"Franke" stainless steel</u>			
1	"CVN611 Curvline" sink and drainer 860 x 435mm wide with one bowl	No	2
2	Allow a PC Amount of R2,490.00 for the supply and installation of stainless steel wash-trough 1,130m long, complete with all necessary pipework	No	1
3	Allow a PC Amount of R4,590.00 for the supply and installation of stainless steel wash-trough 3,945m long, complete with all necessary pipework	No	1
<u>"Vaal"</u>			
4	420 x 4200mm "Iceberg" round self-rimming rop-in vanity basin	No	7
5	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	9
6	"Protea Paraplegic" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe and prupose made CP side-flush lever	No	3
7	"Flatback" wall hung bowl urinal with spreader (flushing valve elsewhere)	No	7
Carried Forward			R
Section No. 2 COMMUNITY HALL Bill No. 13 Plumbing and Drainage (Provisional)			

Brought Forward			R
<u>WASTE UNIONS. ETC</u>			
<u>"Cobra Watertech"</u>			
8	32mm "301CP" Basin waste union	No	7
9	40mm "316CP" Bath or sink waste union	No	2
<u>TRAPS. ETC</u>			
<u>"Marley"</u>			
10	32 x 50mm Deep seal "P" or "S" trap	No	7
11	40mm Deep seal "P" or "S" trap	No	2
<u>"Cobra Watertech"</u>			
12	40mm "365/50CP" bottle trap	No	7
<u>TAPS. VALVES. ETC</u>			
<u>"Cobra Watertech"</u>			
13	15mm "111CP" Pillartap	No	4
14	15mm "505-21CP" elbow action pillarcock	No	3
15	15mm 166/041CP "Star" sink mixer	No	2
16	FJ6.000 "Flushmaster Junior" urinal flush valve	No	7
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
17	50mm Pipes	m	58
18	110mm Pipes	m	193
<u>Extra over uPVC pipes for fittings</u>			
19	50mm Bend	No	8
20	50mm Junction	No	3
Carried Forward			R
Section No. 2 COMMUNITY HALL Bill No. 13 Plumbing and Drainage (Provisional)			

Brought Forward			R
21	110mm Pan connector	No	12
22	50mm Access bend	No	2
23	110mm Access bend	No	11
	<u>Sundries</u>		
24	Testing waste pipe system	Item	
	<u>WATER SUPPLIES</u>		
	<u>Class 0 copper pipes</u>		
25	15mm Pipes	m	18
26	22mm Pipes	m	41
27	15mm Pipes chased into brick walls	m	33
28	22mm Pipes chased into brick walls	m	10
	<u>Extra over class 0 copper pipes for capillary fittings</u>		
29	15mm Fittings	No	68
30	22mm Fittings	No	31
	<u>Copper overflow and service pipes</u>		
31	15mm Service pipe 500mm girth	No	19
	<u>TESTING</u>		
32	Testing water pipe system	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
COMMUNITY HALL			
Bill No. 13			
Plumbing and Drainage (Provisional)			

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Item No		Quantity	Rate	Amount
	<u>SECTION 2</u>			
	<u>BILL NO. 15</u>			
	<u>PAINTWORK</u>			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
1	On internal walls	m2	1,029	
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
2	On ceilings and cornices	m2	342	
	<u>ON FIBRE-CEMENT</u>			
	<u>One coat primer and two coats interior quality acrylic PVA paint</u>			
3	On internal window sills not exceeding 300mm wide or girth	m	88	
	<u>ON METAL</u>			
	<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel</u>			
4	On door frames	m2	65	
5	On windows with burglar bars	m2	184	
	<u>ON WOOD</u>			
	<u>One coat wood primer, one coat undercoat and one coat polyurethane gloss enamel paint</u>			
6	On doors	m2	123	
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2			
	COMMUNITY HALL			
	Bill No. 15			
	Paintwork			

84

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO. 1</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>EARTHWORKS</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	36	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	36	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
3	Reduced levels under floors	m3	2	
4	Trenches	m3	11	
	Carried Forward			
	Section No. 3			
	GUARD HOUSE			
	Bill No. 1			
	Foundations			

R

Brought Forward			R
<u>Extra over trench and hole excavations in earth for excavation in</u>			
5	Soft rock	m3	1
6	Hard rock	m3	1
<u>Extra over all excavations for carting away</u>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	13
<u>Risk of collapse of excavations</u>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	31
<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water		Item
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
10	Backfilling to trenches, holes, etc	m3	5
<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
11	Under floors, steps, pavings, etc	m3	2
<u>Compaction of surface</u>			
12	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting 90% Mod AASHTO density	m2	36
<u>Prescribed density tests on filling</u>			
13	Modified AASHTO density tests	No	5
<u>SOIL POISONING</u>			
Section No. 3 GUARD HOUSE Bill No. 1 Foundations			

Carried Forward

R

Brought Forward			R
<u>Soil insecticide</u>			
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	16
15	To bottoms and sides of trenches	m2	45
Carried Forward to Summary of Section No. 3			R
Section No. 3			
GUARD HOUSE			
Bill No. 1			
Foundations			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Cost of tests</u>			
	<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately)</p>			
	<u>Formwork</u>			
	<p>Description 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</p> <p>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.</p> <p>Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described</p>			
	Carried Forward		R	
	Section No. 3 GUARD HOUSE Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward

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"

R

Carried Forward

Section No. 3
GUARD HOUSE
Bill No. 2
Concrete, Formwork and Reinforcement

R

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
1	Strip footings	m3	4
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
2	Surface beds on waterproofing	m3	1
3	Aprons	m3	2
<u>TEST BLOCKS</u>			
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
5	Ramps, slabs, etc to falls	m2	22
6	Surface bed	m2	16
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
7	Edges, risers, ends and reveals not exceeding 300mm high	m	9
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete surfaces</u>			
8	10mm Joints not exceeding 300mm high	m	6
<u>REINFORCEMENT (PROVISIONAL)</u>			
Section No. 3 GUARD HOUSE Bill No. 2 Concrete, Formwork and Reinforcement			

Carried Forward

R

Brought Forward			R
	<u>High tensile steel reinforcement to structural concrete work</u>		
9	12mm Diameter bars	t	1.00
	<u>Fabric reinforcement</u>		
10	Ref. 100 fabric reinforcement in concrete surface beds, slabs, etc	m2	16
Carried Forward to Summary of Section No. 3			R
Section No. 3			
GUARD HOUSE			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.			
	<u>SUBSTRUCTURE</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
1	One brick walls	m2	10	
	<u>Brickwork reinforcement</u>			
2	150mm Wide reinforcement built in horizontally	m	115	
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
3	Half brick walls in beamfilling	m2	4	
4	One brick walls	m2	46	
	Carried Forward			
	Section No. 3 GUARD HOUSE Bill No. 3 Masonry			
			R	

Brought Forward			R
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
5	150mm Wide reinforcement built in horizontally	m	136
<u>Galvanised hoop iron cramps, ties, etc</u>			
6	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	18
<u>FACE BRICKWORK</u>			
<u>External face bricks (Prime Cost Amount R 3 500.00/1000) pointed with flush horizontal and vertical joints</u>			
7	Extra over brickwork for face brickwork	m2	41
8	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	6
<u>Brick-on-edge header course copings, sills, etc of external face bricks (Prime Cost Amount R 3 500.00/1000) pointed with recessed joints on all exposed faces</u>			
9	220mm Wide sill set sloping and slightly projecting	m	4
Section No. 3 GUARD HOUSE Bill No. 3 Masonry			

Carried Forward to Summary of Section No. 3

R

Section No. 3
GUARD HOUSE
Bill No. 3
Masonry

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Item No	Quantity	Rate	Amount
<u>SECTION 3</u>			
<u>BILL NO. 6</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Particle board:</u>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<u>Joinery:</u>			
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
<u>Decorative laminate finish:</u>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
<u>ROOFS. ETC</u>			
Carried Forward			
Section No. 3 GUARD HOUSE Bill No. 6 Carpentry and Joinery			R

Brought Forward				R
<u>Plate nailed timber roof truss construction</u>				
The following is applicable in respect of roof trusses:				
Trusses are at maximum 1,20m centres				
Roof covering is galvanised Corrugated roof sheeting with "Globalcoat" finish on one side on 50 x 76mm purlins at 1,2m maximum centres.				
Ceilings are generally 9mm gypsum plasterboard on 38 x 38mm brandering.				
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.				
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.				
All joints to be close fitted butt joints.				
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.				
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences.				
Tenderers must study the roof plan and sections (refer drawing No.'s HALL - 001 to - 002) as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.				
<u>Sawn softwood</u>				
1	38 x 114mm Wall plates	m	8	
2	Design, manufacture and deliver on site plate nailed roof truss construction with overhang projecting on one side, including all necessary purlins, runners, bracing and cross bracing (wall plates elsewhere)	m2	23	
Carried Forward				R
Section No. 3 GUARD HOUSE Bill No. 6 Carpentry and Joinery				

Brought Forward			R
3	Take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gangboarding, temporary and permanent bracing, etc (measured on slope of roof)	m2	23
<u>Sundries</u>			
4	Two coats creosote on sawn timbers	m2	23
<u>EAVES . VERGES . ETC</u>			
<u>"Everite Flexit" pressed nutec-cement</u>			
5	15 x 225mm Fascias and barge boards screwed to timber trusses (elsewhere) with two brass screws at maximum 1,200mm centres and jointed with and including standard aluminium half round cover strips at all joints	m	8
<u>DOORS ETC</u>			
<u>Semi-solid flush doors with commercial veneer hung to steel frames</u>			
6	44mm Door 900 x 2,125mm high	No	2
<u>New standard solid core</u>			
7	40mm Door 900 x 2,125mm high	No	1
<u>FITTINGS</u>			
<u>General</u>			
The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc (refer Architect's drawings as attached to the back of these Bills of Quantities)			
Section No. 3			
GUARD HOUSE			
Bill No. 6			
Carpentry and Joinery			

Carried Forward

R

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Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO. 7</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	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			
	<u>CEILINGS ETC</u>			
	<u>"Aerolite" insulation</u>			
1	75mm Insulation closely fitted and laid on top of brander between roof timbers etc	m2	16	
	<u>NAILED UP CEILINGS</u>			
	<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>			
2	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	16	
3	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1	
	<u>"Rhino" gypsum plasterboard cornices</u>			
4	75mm Coved cornices	m	23	
	Carried Forward to Summary of Section No. 3			
	Section No. 3			
	GUARD HOUSE			
	Bill No. 7			
	Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO. 8</u>			
	<u>IRONMONGERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	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			
	NP Nickle plated			
	<u>LOCKS</u>			
	<u>"Mazac Tarpon"</u>			
1	"952/2L" or other equal and approved two lever lockset with chrome plated finish with striking plate fixed to metal	No	3	
	<u>"Dorma"</u>			
2	Stainless steel bathroom dead lock	No	1	
	<u>"EN-SUITE" LOCKS</u>			
	<u>"Dorma"</u>			
3	Bathroom WC indicator (red and white) with 79mm turnknob,	No	1	
	Carried Forward			R
	Section No. 3			
	GUARD HOUSE			
	Bill No. 8			
	Ironmongery			

Brought Forward			R
<u>HANDLES</u>			
<u>"Dorma"</u>			
4	32 x 350mm Stainless steel DPH213 "D" straight back-to-back pull handles	No	3
<u>PUSH PLATES AND KICKING PLATES</u>			
5	1,6mm Satin finished stainless steel kickplate plate size 800 x 300 high fixed to timber	No	2
<u>DOOR CLOSERS</u>			
<u>"Dorma"</u>			
6	"TS83" door closer with bracket fixed to metal	No	1
<u>BATHROOM FITTINGS</u>			
<u>"Stiebel Eltron"</u>			
7	"PTFS-S" Paper towel dispenser plugged	No	1
8	"SDSS" Soap dispenser plugged	No	1
<u>"Nampak"</u>			
9	"TR2" lockable toilet roll holder plugged	No	1
<u>SUNDRIES</u>			
<u>"Union"</u>			
10	"AL8730AS" door stop plugged	No	2
11	"AL8722AS" rubber tipped hat and coat hook	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
GUARD HOUSE			
Bill No. 8			
Ironmongery			

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Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO. 12</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>uPVC pipes and fittings:</u>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<u>uPVC pressure pipes and fittings:</u>			
	Pipes for water supply shall be of the class stated			
	Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
	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			
	<u>Copper pipes:</u>			
	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			
	<u>Fixing of pipes</u>			
	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		R	
	Section No. 3 GUARD HOUSE Bill No. 12 Plumbing and Drainage (Provisional)			

Brought Forward

R

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

R

Section No. 3
GUARD HOUSE
Bill No. 12
Plumbing and Drainage (Provisional)

Brought Forward			R
<u>Flush pans</u>			
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary			
<u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u>			
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable			
<u>Waste unions</u>			
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings			
<u>SANITARY FITTINGS</u>			
<u>"Vaal"</u>			
1	420 x 4200mm "Iceberg" round self-rimming rop-in vanity basin	No	1
2	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	1
<u>WASTE UNIONS. ETC</u>			
<u>"Cobra Watertech"</u>			
3	40mm "316CP" Bath or sink waste union	No	1
<u>TRAPS. ETC</u>			
<u>"Marley"</u>			
4	32 x 50mm Deep seal "P" or "S" trap	No	1
<u>"Cobra Watertech"</u>			
5	40mm "365/50CP" bottle trap	No	1
<u>TAPS. VALVES. ETC</u>			
Carried Forward			R
Section No. 3 GUARD HOUSE Bill No. 12 Plumbing and Drainage (Provisional)			

Brought Forward			R
<u>"Cobra Watertech"</u>			
6	15mm 166/041CP "Star" sink mixer	No	1
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
7	50mm Pipes	m	12
8	110mm Pipes	m	19
<u>Extra over uPVC pipes for fittings</u>			
9	50mm Bend	No	3
10	50mm Junction	No	6
11	110mm Pan connector	No	1
12	50mm Access bend	No	1
13	110mm Access bend	No	1
<u>Sundries</u>			
14	Testing waste pipe system	Item	
<u>WATER SUPPLIES</u>			
<u>Class 0 copper pipes</u>			
15	15mm Pipes	m	13
16	22mm Pipes	m	31
17	15mm Pipes chased into brick walls	m	2
18	22mm Pipes chased into brick walls	m	3
<u>Extra over class 0 copper pipes for capillary fittings</u>			
19	15mm Fittings	No	13
20	22mm Fittings	No	7
Carried Forward			R
Section No. 3 GUARD HOUSE Bill No. 12 Plumbing and Drainage (Provisional)			

R

Item

21	Testing water pipe system
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R

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Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
1	On internal walls	m2	54	
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
2	On ceilings and cornices	m2	16	
	<u>ON METAL</u>			
	<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel</u>			
3	On door frames	m2	6	
	<u>ON WOOD</u>			
	<u>One coat wood primer, one coat undercoat and one coat polyurethane gloss enamel paint</u>			
4	On doors	m2	12	
	Carried Forward to Summary of Section No. 3			
	Section No. 3			
	GUARD HOUSE			
	Bill No. 14			
	Paintwork			
			R	

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Item No		Quantity	Rate	Amount
	<u>SECTION 4</u>			
	<u>BILL NO. 1</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>EARTHWORKS</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	82	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	82	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
3	Reduced levels under floors	m3	21	
4	Trenches	m3	15	
	Carried Forward			
	Section No. 4 REFUSE YARD Bill No. 1 Foundations (Provisional)			
			R	

Brought Forward			R	
<u>Extra over trench and hole excavations in earth for excavation in</u>				
5	Soft rock	m3	15	
6	Hard rock	m3	2	
<u>Extra over all excavations for carting away</u>				
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	36	
<u>Risk of collapse of excavations</u>				
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	52	
<u>Keeping excavations free of water</u>				
9	Keeping excavations free of all water other than subterranean water		Item	
<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>				
10	Under floors, steps, pavings, etc	m3	27	
<u>Compaction of surface</u>				
11	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting 90% Mod AASHTO density	m2	68	
<u>Prescribed density tests on filling</u>				
12	Modified AASHTO density tests	No	7	
<u>SOIL POISONING</u>				
<u>Soil insecticide</u>				
13	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	68	
14	To bottoms and sides of trenches	m2	67	
Section No. 4 REFUSE YARD Bill No. 1 Foundations (Provisional)				

Carried Forward to Summary of Section No. 4

R

Section No. 4
REFUSE YARD
Bill No. 1
Foundations (Provisional)

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Cost of tests</u>			
	<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately)</p>			
	<u>Formwork</u>			
	<p>Description 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</p> <p>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.</p> <p>Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described</p>			
	Carried Forward			
	Section No. 4 REFUSE YARD Bill No. 2 Concrete, Formwork and Reinforcement		R	

Brought Forward

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"

R

Carried Forward

Section No. 4
REFUSE YARD
Bill No. 2
Concrete, Formwork and Reinforcement

R

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
1	Strip footings	m3	5
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
2	Surface beds on waterproofing	m3	14
3	Aprons	m3	3
<u>TEST BLOCKS</u>			
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	8
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
5	Ramps, slabs, etc to falls	m2	39
6	Surface bed	m2	68
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete surfaces</u>			
7	10mm Joints not exceeding 300mm high	m	68
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Fabric reinforcement</u>			
8	Ref. 100 fabric reinforcement in concrete surface beds, slabs, etc	m2	68
Section No. 4			
REFUSE YARD			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Carried Forward to Summary of Section No. 4

R

Section No. 4
REFUSE YARD
Bill No. 2
Concrete, Formwork and Reinforcement

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.			
	<u>SUBSTRUCTURE</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
1	One brick walls	m2	18	
	<u>Brickwork reinforcement</u>			
2	150mm Wide reinforcement built in horizontally	m	303	
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
3	One brick walls	m2	55	
	<u>BRICKWORK SUNDRIES</u>			
	Carried Forward			
	Section No. 4 REFUSE YARD Bill No. 3 Masonry			
			R	

Brought Forward			R
<u>Brickwork reinforcement</u>			
4	150mm Wide reinforcement built in horizontally	m	161
<u>FACE BRICKWORK</u>			
<u>External face bricks (Prime Cost Amount R 3 500.00/1000) pointed with flush horizontal and vertical joints</u>			
5	Extra over brickwork for face brickwork	m2	55
6	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	26
Section No. 4 REFUSE YARD Bill No. 3 Masonry			

Carried Forward to Summary of Section No. 4

R

Section No. 4
REFUSE YARD
Bill No. 3
Masonry

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u>			
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</u>			
1	In walls	m2	8	
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>			
2	Under surface beds	m2	68	
	<u>JOINT SEALANTS, ETC</u>			
	<u>"Denbraven LM15" polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
3	10 x 10mm In expansion joints in floors	m	26	
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
	<u>4mm "Torchon" waterproofing to a roof slab</u>			
4	On sloping floors	m2	68	
	Carried Forward to Summary of Section No. 4			
	Section No. 4			
	REFUSE YARD			
	Bill No. 4			
	Waterproofing			

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION 4</u></p> <p><u>BILL NO. 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board:</u></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><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>			
	<p><u>DOORS ETC</u></p> <p><u>New standard solid core</u></p>			
1	40mm Door 900 x 2,125mm high including ironmongery as per architect's specification	No	1	
	<p>Carried Forward to Summary of Section No. 4</p> <p>Section No. 4</p> <p>REFUSE YARD</p> <p>Bill No. 5</p> <p>Carpentry and Joinery</p>			R

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u>			
	<u>BILL NO. 6</u>			
	<u>IRONMONGERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	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			
	NP Nickle plated			
	<u>LOCKS</u>			
	<u>"Mazac Tarpon"</u>			
1	"952/2L" or other equal and approved two lever lockset with chrome plated finish with striking plate fixed to metal	No	1	
	<u>HANDLES</u>			
	<u>"Dorma"</u>			
2	32 x 350mm Stainless steel DPH213 "D" straight back-to-back pull handles	No	1	
	Carried Forward to Summary of Section No. 4		R	
	Section No. 4			
	REFUSE YARD			
	Bill No. 6			
	Ironmongery			

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u>			
	<u>BILL NO. 7</u>			
	<u>METALWORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	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 bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1,2mm Double rebated frames suitable for one brick walls</u>			
1	Frame for door 900 x 2 125mm high	No	1	
	<u>Grease Trap</u>			
2	Allow an amount of R32,000 for the supply and installation of a grease trap, including all drainage connections complete		Item	
	Carried Forward to Summary of Section No. 4			
	Section No. 4			
	REFUSE YARD			
	Bill No. 7			
	Metalwork			

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Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>BILL NO. 1</u>			
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>EARTHWORKS (ROADS, SUBGRADE)</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 1m girth, bush, etc	m2	2,968	
2	Removal of topsoil to a nominal depth of 200 mm, stockpiling and preventing dust as specified in section 5 of SABS 1200D	m2	2,968	
3	Rip and recompact the insitu material to to 93% of Mod AASHTO max density 200mm thick	m3	831	
	<u>BULK EXCAVATIONS</u>			
	<u>Open face excavation in earth over sloping site</u>			
4	Excavate in all materials and use for embankment or backfilling or dispose as ordered	m3	1,145	
5	Excavate material form stockpile, transport and spread material to a designated position as order by the Engineer on site.	m3	36	
	<u>Extra over all excavations for carting away</u>			
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1,315	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
7	Soft rock	m3	222	
8	Intermediate rock excavation	m3	42	
	Carried Forward		R	
	Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

	Brought Forward			R
9	Hard rock	m3	55	
10	Removal of oversize material	m3	6	
	<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
11	Under floors, steps, pavings, etc	m3	520	
	<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
12	150mm Layer sub-base of type G5 material compacted to 95% Mod AASHTO density	m3	822	
13	150mm Layer subbase of type G6 material compacted to 95% Mod AASHTO density	m3	115	
14	150mm Layer subbase of type G9 material compacted to 95% Mod AASHTO density	m3	295	
15	150mm Layer subbase of type C4 material compacted to 93% Mod AASHTO density	m3	497	
16	Construct stabilised gravel base C3 150mm thick with material from designated borrow areas compacted to 97% mod. AASHTO maximum density	m3	474	
	<u>Garden soil filling obtained from the excavations and/or prescribed stockpiles on site (not compacted)</u>			
17	Over site	m3	176	
	<u>Cut to fill, borrow to fill</u>			
18	Compact to 90% of modified AASHTO maximum density	m3	436	
	<u>Prescribed density tests on filling</u>			
19	Modified AASHTO density tests	No	59	
	<u>C4 Chemical stabilizing agent</u>			
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works				

20	CEM II A-S 32.5N	t	11.00
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Carried Forward	R
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Brought Forward			R
<u>Soil insecticide</u>			
21	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	2,189
<u>ROAD BED TREATMENT AND EARTHWORKS</u>			
22	Roadbed preparation and compaction of material to 93% of Mod AASHTO maximum density 150mm thick	m3	425
23	In-place treatment of roadbed in intermediate or hard excavation by ripping	m3	52
24	Soft rock	m3	350
25	Intermediate rock excavation	m3	101
26	Hard rock	m3	73
27	Removal of oversize material	m3	30
28	Cut to fill compacted to 93% mod AASHTO maximum density	m3	27
29	Selected layer compacted to 95% of modified AASHTO max. density 150mm thick	m3	350
<u>STORMWATER DRAINAGE</u>			
30	Excavation not exceeding 2m deep for drain trenches	m3	229
31	Soft rock	m3	8
32	Intermediate rock excavation	m3	2
33	Hard rock	m3	2
34	Backfilling to drain trenches	m3	264
35	Compact to 90% of modified AASHTO maximum density	m3	20
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

Carried Forward

R

	Brought Forward			R
36	Selected granular material for bedding as specified for Class B bedding, placed and compacted in uniform layers as pipe barrel on both sides of the pipes for bedding cradle, ensuring that no stones are amongst the materials, the Engineer must inspect, approve and record each section of bedding in the site instruction book and each approval must accompany the relevant certificates for payment purposes	m3	72	
	<u>Class 100D concrete pipes</u>			
37	450mm Pipes laid in trenches (trenches measure elsewhere)	m	118	
38	600mm Pipes laid in trenches (trenches measure elsewhere)	m	56	
	<u>uPVC pipes</u>			
39	200mm Pipes	m	45	
	<u>Supply and install Manholes, Catchpits etc</u>			
40	Manholes as per engineer's drawings	No	8	
41	Catchpits as per engineer's drawings	No	7	
	<u>SUB-SOIL DRAINAGE</u>			
	<u>Excavation for subsoil drainage systems:</u>			
	<u>Excavating soft material situated within the following depth ranges below the surface level:</u>			
42	0 m up to 1,5 m	m3	784	
43	Backfilling to subsoil drainage systems	m3	411	
	<u>Natural permeable material in subsoil drainage systems (crushed stone):</u>			
44	Crushed stone obtained from commercial sources (19mm nominal size)	m3	163	
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works				

Carried Forward

R

Brought Forward			R
<u>Natural permeable material in subsoil drainage systems (sand):</u>			
45	Sand from commercial sources (Course grade)	m3	52
<u>Pipes in subsoil drainage systems:</u>			
46	HDPE pipes and fittings, normal duty complete with couplings (110 mm internal dia. Perforated as shown on drawing)	m	590
47	Synthetic-fibre filter fabric (Grade 2 or similar approved by Engineer)	m2	903
<u>Concrete outlet structures, manhole boxes, junction boxes and cleaning eyes for subsoil drainage systems:</u>			
48	Outlet structures	No	2
49	Junction boxes	No	9
50	Cleaning eyes	No	12
51	Test flushing of pipe subsoil drains	No	12
<u>WATER PIPES</u>			
<u>Preparation of site</u>			
52	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	330
<u>Excavate in all materials for trenches, compact the trench bottom to 90 % MOD AASHTO density, backfill by hand in layers of not exceeding of 150 mm in thickness using excavated material unless otherwise instructed by the Engineer in writing, compact the layers to 90 % MOD AASHTO density, dispose of all surplus and / or unsuitable material within free haul distance at a place as shall be instructed by the Engineer for the 90 mm diameter pipes, for the following depths:</u>			
53	Excavation not exceeding 2m deep	m3	220
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

Carried Forward

R

Brought Forward			R
<u>Extra over trench and hole excavations in earth for excavation in</u>			
54	Soft rock	m3	4
55	Hard rock	m3	4
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
56	Backfilling to trenches, holes, etc	m3	140
57	Compact to 90% of modified AASHTO maximum density	m3	3
58	Allow an amount of R73,616.00 for dealing with existing services, including digging, carting away, backfilling, reinstating materials, etc as directed by engineer		Item
<u>Surface Finishing</u>			
59	Re - instate all surfaces encountered in the process of construction work, with all existing layer works as well as asphalt, concrete or paved block finishing to original conditions prior to the start of the contract, including the importation of material if necessary and the compaction thereof to 93 % MOD AASHTO density	m2	14
<u>Provision of bedding and covering material from other excavations</u>			
60	Selected granular material for bedding as specified for Class B bedding, placed and compacted in uniform layers as pipe barrel on both sides of the pipes for bedding cradle, ensuring that no stones are amongst the materials.	m3	3
61	Selected fill material for blanket as specified for Class A, B and C beddings, compacted uniformly in layers with light compaction directly over pipes, ensuring that no stones are amongst the blanket materials	m3	30
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

Carried Forward

R

Brought Forward			R
<u>Re-usable bedding material from trench excavations</u>			
62	Selected granular material for bedding as specified for Class B bedding, placed and compacted in uniform layers as pipe barrel on both sides of the pipes for bedding cradle, ensuring that no stones are amongst the materials.	m3	25
63	Selected fill material for blanket as specified for Class A, B and C beddings, compacted uniformly in layers with light compaction directly over pipes, ensuring that no stones are amongst the blanket materials	m3	46
64	19 mm stones to be used for bedding	m3	1
<u>Supply and lay, handle, bed on Class B (or as specified by the Engineer) bedding, joint test, cut pipes where necessary and disinfect various water pipes of the following sizes and types</u>			
65	63mm diameter Class 12 uPVC water pipe	m	195
66	110mm diameter Class 12 uPVC water pipe	m	86
<u>Supply, handle, lay, bed on Class B (or as specified by the Engineer) bedding, joint, test, cut pipes where necessary and disinfect the following items. Various items to fit 110mm diameter uPVC class 12 water pipes</u>			
67	350 x 110mm diameter reducing tee	No	2
68	90 mm x 45 degree bend	No	2
69	80 mm diameter RSV valve	No	2
70	PVC valve boxes for 80 mm diameter valve	No	2
71	Supply and install 80 mm diameter Galvanised steel pipe standard fire hydrant	No	2
<u>Various items to fit 90mm diameter uPVC class 12 water pipes</u>			
72	90mm x 45 Degree bend	No	3
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

Carried Forward

R

Brought Forward			R
<u>Various items to fit 63mm diameter uPVC class 12 water pipes</u>			
73	63 mm diameter equal tee	No	2
74	63 mm x 90 degree bend	No	5
75	80 mm diameter RSV valve	No	4
76	Allowance to connect to existing waterline		Item
77	Break into and connect to existing water lines, at positions and levels indicated	No	2
78	Anchor trust blocks and pedestals using mass concrete of 15 Mpa mix strength	m3	3
79	Supply, install and test 100 mm diameter COSMOS MEINECKE SANS approved bulk water meter including all fitting as per manufacturer's specifications	No	2
<u>FIRE HYDRANT ASSEMBLIES</u>			
80	Supply, install, bed and testing fire hydrant assemblies complete including cutting of pipes, couplings, tee pieces etc as per manufacturer's specification	No	2
<u>BOREHOLE PIPE TRENCHES</u>			
81	Clear vegetation, rubble, bushes and trees up to 1 m of girth to a width of 1.5 m from the centre of the trench to either side as well as any other obstructions if instructed by the Engineer in writing, recorded in the site instruction book and forwarded with the relevant certificates for payment purposes. This item shall include the removal of the topsoil to a depth of 75mm and a width of 3 000 mm, the maintenance thereof until it can be re-used and the re-laying and spreading upon the completion of the pipe line to the satisfaction of the Engineer	m2	480
82	Excavation not exceeding 2m deep for drain trenches	m3	220
83	Soft rock	m3	4
84	Intermediate rock excavation	m3	4
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

Carried Forward

R

	Brought Forward			R
85	Make up deficiency in backfill material due to spoiling of surplus, unsuitable and / or rock material from other necessary excavations on site within free haul distance (compaction of this material measured in excavation items), quantity to be agreed with the Engineer, recorded in the site instruction book and forwarded with the relevant certificates for payment purposes	m3	75	
	<u>BOREHOLE WATER PIPES</u>			
	<u>Supply and lay, handle, bed on Class B (or as specified by the Engineer) bedding, joint, test and connect into manholes various sewer pipes of the following sizes</u>			
86	90mm Diameter Class 12 uPVC water pipe	m	235	
	<u>Supply and lay, handle, bed on Class B (or as specified by the Engineer) bedding, joint, test, cut pipes where necessary and disinfect the following items:</u>			
	<u>Various to fit 90mm diameter uPVC class 12 water pipes</u>			
87	90mm x 45 Degree bend	No	4	
88	90mm x 90 Degree bend	No	3	
	<u>BOREHOLE PUMP</u>			
89	Clear vegetation, rubble, bushes and trees up to 1 m of girth to a width of 1.5 m from the centre of the trench to either side as well as any other obstructions if instructed by the Engineer in writing, recorded in the site instruction book and forwarded with the relevant certificates for payment purposes. This item shall include the removal of the topsoil to a depth of 75mm and a width of 3 000 mm, the maintenance thereof until it can be re-used and the re-laying and spreading upon the completion of the pipe line to the satisfaction of the Engineer	m2	20	
	Carried Forward			R
	Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

Brought Forward

R

Excavate in all materials for trenches, compact the trench bottom to 90 % MOD AASHTO density, backfill by hand in layers of not exceeding of 150 mm in thickness using excavated material unless otherwise instructed by the Engineer in writing, compact the layers to 90 % MOD AASHTO density, dispose of all surplus and / or unsuitable material within free haul distance at a place as shall be instructed by the Engineer for the 90 mm diameter pipes, for the following depths:

90	Excavation exceeding 0.0 m up to and including 1.5m, joint, test, cut pipes where necessary and disinfect the following items	m3	1
91	Anchor trust blocks and pedestals using mass concrete of 15 Mpa mix strength where required by the pipe bends, tees and end - caps or where the Engineer requested and recorded in the site instruction book and forwarded with the relevant certificates for payment purposes, rate shall include the cost of concrete, reinforcement, form work, excavation , backfill, compaction etc. for specification of thrust block sizes see drawing number : GP18009-CIV-BRH-300	m3	1
92	Supply material and erect a concrete pump-house as shown in the drawings	No	1
93	Short pipe nipple of 90mm diamter	No	1
94	Steel boss flange	No	1
95	Bush to suit sizes of pump-head outlet and delivery pipe	No	1
96	Double flexible rubber pipe flanged coupling	No	1
97	Duo-check II (split disk) non-return valve, wafer type	No	1
98	Double flanced tee with 25mm female threaded branch on 150 x 150mm grade 25/19 concrete support	No	2
99	25 to 15 mm diameter steel reducing bush	No	1
100	15mm diameter hexagon nipple	No	1
101	15mm diameter brass stopcock	No	1

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EXTERNAL WORKS
Bill No. 1
External Works

R

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Brought Forward			R
102	Wika pressure gauge, 110mm diameter case glycerine filled with 15mm male thread. Pressure range 0-1000KPa(unless specified otherwise by the engineer)	No	1
103	90 degree x 50mm diameter double flanged steel bend, small radius	No	3
104	Double flanged steel pipe	No	1
105	Flanged RSV rising spindle, clockwise closing complete with handwheel TP SABS 665	No	1
106	25mm Dia. Hexagon nipple	No	1
107	25mm Dia. Brass stopcock	m	1
108	Vent -o-mat 25mm ND anti shock air valve, RBX 2511	No	1
109	Double flanged steel pipe	No	1
110	Double flanged steel reducer	No	1
111	Cast iron flange adaptor to suite HDPE pipe	No	1
112	Class 25/19 concrete support block 300mm wide	No	2
113	Female ended socket elbow	No	1
114	50 x 32mm reducing bush for 32mm borehole riser pipe only	No	1
115	32mm x 1 1/4" x 2" 50mm x 2", 63mm x 2" or 75mm x 3" compression type male adaptor to suite Upvc piping	No	1
116	32mm x 1 1/4" x 2" 50mm x 2", 63mm x 2" or 75mm x 3" copression typ male adaptor to suite Upvc piping	No	1
117	32,40,50,63,DR 75mm class 10 HDPE pipe type IV	No	3
118	Compression type male adaptor suit HDPE piping and submersible pump	No	1

Section No. 5
EXTERNAL WORKS
Bill No. 1
External Works

119	Mono rotoflow or salsub submersible pump as specified	No	1		
120	15mm all equal GMS tee	No	1		
Carried Forward				R	
Section No. 5					
EXTERNAL WORKS					
Bill No. 1					
External Works					

	Brought Forward			R
121	15mm No rough brass plain bibtap to SABS 226 class 9 (Heavy pattern) with screwed end)	No	1	
	<u>SEWER PIPES</u>			
122	Clear vegetation, rubble, bushes and trees up to 1 m of girth to a width of 1.5 m from the centre of the trench to either side as well as any other obstructions if instructed by the Engineer in writing, recorded in the site instruction book and forwarded with the relevant certificates for payment purposes. This item shall include the removal of the topsoil to a depth of 75mm and a width of 3 000 mm, the maintenance thereof until it can be re-used and the re-laying and spreading upon the completion of the pipe line to the satisfaction of the Engineer	m2	330	
	<u>Excavate in all materials for trenches, compact the trench bottom to 90 % MOD AASHTO density, backfill by hand in layers of not exceeding of 150 mm in thickness using excavated material unless otherwise instructed by the Engineer in writing, compact the layers to 90 % MOD AASHTO density, dispose of all surplus and / or unsuitable material within free haul distance at a place as shall be instructed by the Engineer for the 90 mm diameter pipes, for the following depths:</u>			
123	Excavation exceeding 0.0 m up to and including 1.5m, joint, test, cut pipes where necessary and disinfect the following items	m3	80	
124	Hard rock	m3	2	
125	Extra over for additional deeper excavations in trench bottoms caused by unsuitable material to lay bedding on, rate shall include the disposal of any such material within free haul distance, quantities must be agreed upon by the Engineer and recorded in the site instruction book and forwarded with the relevant certificates for payment purposes	m3	3	
126	Excavate by hand in soft material to expose existing services crossing the road	m3	2	
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works				

Carried Forward

R

	Brought Forward			R
127	Make up deficiency in backfill material due to spoiling of surplus, unsuitable and / or rock material from other necessary excavations on site within free haul distance (compaction of this material measured under Items 3.2), quantity to be agreed with the Engineer, recorded in the site instruction book and forwarded with the relevant certificates for payment purposes	m3	54	
	<u>Provision of bedding and covering material from designated borrow pits</u>			
128	Selected granular material for bedding as specified for Class B bedding, placed and compacted in uniform layers as pipe barrel on both sides of the pipes for bedding cradle, ensuring that no stones are amongst the materials, the Engineer must inspect, approve and record each section of bedding in the site instruction book and each approval must accompany the relevant certificates for payment purposes	m3	5	
129	Selected fill material for blanket as specified for Class A, B and C beddings, compacted uniformly in layers with light compaction directly over pipes, ensuring that no stones are amongst the blanket materials	m3	20	
	<u>Re-usable bedding material from trench excavation</u>			
130	Selected granular material for bedding as specified for Class B bedding, placed and compacted in uniform layers as pipe barrel on both sides of the pipes for bedding cradle, ensuring that no stones are amongst the materials, the Engineer must inspect, approve and record each section of bedding in the site instruction book and each approval must accompany the relevant certificates for payment purposes	m3	12	
131	Selected fill material for blanket as specified for Class A, B and C beddings, compacted uniformly in layers with light compaction directly over pipes, ensuring approve and record each section of 300 mm thick covering fill in the site instruction book and each approval must accompany the certificates for payment purposes	m3	28	
	Carried Forward			R
	Section No. 5 EXTERNAL WORKS Bill No. 1 External Works			

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Brought Forward

R

Light grey "Grinaker G-blocks" interlocking precast concrete (35 MPa) paving blocks laid with butt joints on 50mm thick river sand bed with sand swept into joints including preparation of ground or filling

136	60mm paving blocks	m2	279
137	80mm paving blocks	m2	1,526
138	Extra over for cutting paving block to fit edge	m	265
139	Extra over for kerbing on curved edges	m	374

PAINTING**Prepare and paint one coat white reflective road marking paint on precast concrete paving blocks**

140	100mm wide line	m	464
141	200mm wide line	m	80
142	200mm White characters and symbols	m2	6
143	200mm Yellow characters and symbols	m2	6
144	Allow and amount of R1,250/unit for the supply and installation of traffic road signs complete	No	2
145	Allow an amount of R20,000 for the supply and installation of statutory road signs, street names and the like		Item

KERBING AND CHANNELING**Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing**

225mm high at every joints placed in centre to centre, including 12mm expansion joint at 10m interval

146	Precast concrete edge kerb (SANS 927 figure 1) levelled and jointed in 1:5 cement mortar complete with 15Mpa in-situ concrete support blocks size 225 x 150 x
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Section No. 5
EXTERNAL WORKS
Bill No. 1
External Works

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Brought Forward

R

148	Garden kerb (SABS 927 fig 12) 50 x 100 x 200mm high unreinforced concrete, each joint including excavation, backfilling, etc	m	294
149	Extra over for kerbing on curved edges	m	22
150	Construct 200 mm x 300 mm concrete edge beams from 25/19 Mpa concrete mix	m3	2
151	Formwork to edges, risers, ends and reveals not exceeding 300mm high	m	32

FENCING

Steel palisade as per attached drawing complete, joined to brick columns, and brickwalls, the fence painted on both sides (colour to architects)

152	Steel palisade 1,60m high with a maximum of twenty eight pales per 2,90m sections, consisting of 40 x 40 x 5mm vertical angle iron with "metalwall trident head " or similar approved, centered at 100mm between each other, welded to horizontal top and bottom support, including stabilizer at center of bottom horizontal. (scope transferred to local SMME's)	m	331
153	Steel sliding gate overall size 5200 x 2800mm high complete with frame, subframes, ironmongery, sliding gear etc and fixed to brickwork & concrete per architect's detail	No	1

Grassing, ground covers, etc

154	Allow a PC amount of R125/m2 for the supply and installation of grass as per architect's specification	m2	1,350
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On site treatment package

155	Allow a provisional amount of R175,000.00 for the on-site treatment package as per engineer's specification	Item	
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On site water storage

156	Allow a provisional amount of R190,000.00 for the supply and installation of jojo tanks on steel stands as Section No. 5 EXTERNAL WORKS Bill No. 1 External Works	per engineer's specification	
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Item	Description	Quantity	Unit	Amount
	Carried Forward to Summary of Section No. 5		R	
Section No. 5 EXTERNAL WORKS Bill No. 1 External Works				

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>BILL NO. 2</u>			
	<u>SEPTIC TANK</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	19	
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Holes	m3	32	
	<u>Excavation in earth exceeding 2m but not exceeding 4m deep</u>			
3	Holes	m3	13	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
4	Soft rock	m3	2	
5	Hard rock	m3	3	
	<u>Extra over all excavations for carting away</u>			
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	32	
	<u>Risk of collapse of excavations</u>			
7	Sides of trench and hole excavations not exceeding 1,5m deep	m2	14	
8	Sides of trench and hole excavations exceeding 1,5m and not exceeding 3m deep	m2	14	
	<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water	Item		
	Carried Forward		R	
	Section No. 5 EXTERNAL WORKS Bill No. 2 Septic Tank			

Brought Forward			R
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
10	Backfilling to trenches, holes, etc	m3	63
<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
11	Under floors, steps, pavings, etc	m3	5
<u>Compaction of surface</u>			
12	Rip and re-compact ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting 90% Mod AASHTO density	m2	25
<u>Prescribed density tests on filling</u>			
13	Modified AASHTO density tests	No	5
<u>Soil insecticide</u>			
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	55
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
15	Surface beds on waterproofing	m3	5
16	Slab	m3	4
<u>TEST BLOCKS</u>			
17	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	13
<u>CONCRETE SUNDRIES</u>			
Section No. 5 EXTERNAL WORKS Bill No. 2 Septic Tank			

Carried Forward

R

Brought Forward			R
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
18	Surface bed	m2	25
<u>Rough formwork to sides</u>			
19	Edges, risers, ends and reveals not exceeding 300mm high	m	18
20	Soffits of slab propped up exceeding 2m and not exceeding 4m high	m2	25
21	To sides of concrete walls	m2	72
<u>Fabric reinforcement</u>			
22	Ref. 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	25
<u>SUBSTRUCTURE</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
23	One brick walls	m2	49
<u>Brickwork reinforcement</u>			
24	150mm Wide reinforcement built in horizontally	m	376
<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
<u>4mm "Torchon" waterproofing to a roof slab</u>			
25	On plastered brick walls	m2	53
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brickwork</u>			
26	On walls	m2	53
<u>SOIL DRAINAGE</u>			
Section No. 5 EXTERNAL WORKS Bill No. 2 Septic Tank			

Carried Forward

R

Brought Forward				R
<u>Excavate in all materials for pipe trenches:</u>				
27	Excavation exceeding 0.0m up to and including 1.5m	m	16	
28	Excavation exceeding 1.5m up to and including 2.0m	m	28	
29	Excavation exceeding 2.0m up to and including 3.0m	m	7	
30	Selected granular material for bedding .Ref to DWG No.GP18009-CIV-SWR-301	m3	20	
31	Selected fill material for blannket.Ref DWG No. GP18009-CIV-SWR-301	m3	13	
32	Packed stone for seepage pit. Ref to DWG No. GP18009-CIV-SWR-301	m3	28	
<u>HDPE(SABS 1601) pipes</u>				
33	Supply and lay 110mm HDPE perforated drain pipe	m	51	
34	Supply and installation of geotextile membrane such as BIDIM U24 or similar approved	m2	102	
<u>Extra over HDPE pipes for fittings</u>				
35	110mm Bend	No	2	
36	110mm Access bend	No	3	
37	110mm Junction	No	7	
38	Rodding eye	No	2	
39	End cap perforated with closely spaced 80mm diameter holes	No	2	
<u>Manholes, inspection chambers, etc</u>				
40	Manhole size 1000 x 1000 x 2000mm deep internally	No	1	
<u>Gratings, covers, etc.</u>				
41	600 x 600mm x 68kg Type 9D cast iron single seal	No	2	
42	1000 x 1000mm x 68kg Type 9D cast iron single seal	No	1	
Section No. 5 EXTERNAL WORKS Bill No. 2 Septic Tank				

Carried Forward

R

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Item No		Quantity	Rate	Amount
	<u>SECTION 5</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>NOTES:</u>			
	1. The Contractor's attention is drawn specifically to the Principal Building Agreement Clause 20.0 (Nominated Sub-Contractors), Clause 21.0 (Selected Sub-Contractors) and Clause 22 (Work by Others) and to the related Clauses in Section 1, Bill No. 1 - Preliminaries			
	2. The Contractor's attention is drawn also to the definition of attendance on Nominated or Selected Sub-Contractors and of fuel, power and water for commissioning of mechanical and other specialised installations given in the JBCC Preliminaries			
	3. Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-			
	* Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted,			
	* Schedule the times of availability of the hoisting equipment for each Sub-Contractor,			
	* Provide all necessary personnel to operate the hoisting equipment,			
	all to enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor			
	4. Under no circumstances may any Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill			
	5. CPAP Formula Work Group 190 shall apply to all lump sum amounts of profit and attendance			
	Carried Forward		R	
	Section No. 6 PROVISIONAL SUMS Bill No. 1 Provisional Sums			

R

R

172

Brought Forward		R	
<u>PROVISIONAL SUMS FOR NOMINATED SUB-CONTRACTS</u>			
<u>Main Hall Chairs</u>			
1	Provide the sum of R 250,000 for the supply and delivery of main hall chairs as per specification	Item	250,000.00
2	Profit	Item	
3	Allow for general attendance	Item	
<u>Borehole Drilling</u>			
4	Provide the amount of R 50,000.00 for the equipping of the borehole complete	Item	50,000.00
5	Profit	Item	
6	Allow for general attendance	Item	
<u>Irrigation and Landscaping</u>			
7	Provide the amount of R 145,000.00 for the supply and installation of irrigation and landscaping complete	Item	
8	Profit	Item	
9	Allow for general attendance	Item	
<u>Municipal Connections</u>			70,000.00
10	Provide the amount of R 70,000.00 for municipal connections complete	Item	
11	Profit	Item	
12	Allow for general attendance	Item	
<u>Sliding Stacking Door</u>			120,000.00
13	Provide the amount of R 120,000.00 for supply and installation of the sliding stacking door complete	Item	
14	Profit	Item	
Section No. 6 PROVISIONAL SUMS Bill No. 1 Provisional Sums			

Carried Forward

R

Brought Forward		R	
15	Allow for general attendance	Item	
	<u>Sub-soil Drainage</u>		
16	Provide the amount of R 480,000.00 for the construction of sub-soil drainage complete	Item	
17	Profit	Item	
18	Allow for general attendance	Item	
Carried to Final Summary			
Section No. 6		R	
PROVISIONAL SUMS			
Bill No. 1			
Provisional Sums			

Section No	SUMMARY	Page No	Amount
1	PRELIMINARIES	24	
2	COMMUNITY HALL	57	
3	GUARD HOUSE	86	
4	REFUSE YARD	99	
5	EXTERNAL WORKS	121	
6	PROVISIONAL SUMS	125	
Carried to Form of Tender			R

ELECTRICAL INSTALLATION

MOLOTO COMMUNITY HALL				
SUMMARY: ELECTRICAL WORKS				
SECTION	DESCRIPTION	QTY	AMMOUNT	TOTAL
1				
Electrical Installations - External Works				
3	MV Reticulation	Sum		
3	LV Reticulation	Sum		
Electrical Installations				
4	Hall	1		
5	Area Lighting	1		
7	Guard House	1		
Electronic Installations - Buildings				
6	Electronic Installations (Includes Security system excludes public address, fire detection, data installation, WiFi , CATV, PABX	1		
Specialized Installations - Buildings				
Standby / Emergency Power, Alternative Energy Source				
7	25 kVA Generator Set	1		
	SUB TOTAL 1			
TOTAL BID PRICE VAT INCL				

MOLOTO COMMUNITY HALL				
SUMMARY: ELECTRICAL WORKS (A)				
SECTION	DESCRIPTION	QTY	AMMOUNT	TOTAL
1				
Electrical Installations - External Works				
2	MV Reticulation	Sum		
Electrical Installations				
3	Hall	1		
Electronic Installations - Buildings				
Specialized Installations - Buildings				
Standby / Emergency Power, Alternative Energy Source				
4	25 kVA Generator Set	1		
	SUB TOTAL 1			
TOTAL BID PRICE VAT INCL		ZAR -		

MOLOTO COMMUNITY HALL				
SUMMARY: ELECTRICAL WORKS (B)				
SECTION	DESCRIPTION	QTY	AMMOUNT	TOTAL
1				
Electrical Installations - External Works				
2	LV Reticulation	Sum		
Electrical Installations				
3	Area Lighting	1		
4	Guard House	1		
Electronic Installations - Buildings				
5	Electronic Installations (Includes Security system excludes public address, fire detection, data installation, WiFi , CATV, PABX	1		
Specialized Installations - Buildings				
Standby / Emergency Power, Alternative Energy Source				
	SUB TOTAL 1			
TOTAL BID PRICE VAT INCL				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2	<u>MV RETICULATION</u>				
2.1	Provide the sum of R120,000,00 for the design and supply and installation of a 25kVA 22-11kV/230-400V Pole mounted and associated costs including but not limited to security and deposit from service providers	each	1		
	<u>Note(s):</u>				
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
2	<u>LV RETICULATION</u>				
2.1	Distribution Kiosks, equipment as specified				
2.1.1	Main Kiosk	No	1		
2.1.2	Kiosk K2	No	0		
2.1.3	Plinth	No	1		
2.2	Trenching Excavating, bedding, backfilling, consolidating and making good as specified,				
2.2.1	Pickable soil	m³	88,20		
2.2.2	Hard rock	m³	37,80		
2.2.3	Very hard rock	m³	-		rate only
2.2.4	Backfilling and compaction	m³	126,00		
2.3	110mm dia PVC sleeves for road crossings/cable entries into the building-rate must include for galv steel draw wires in spare sleeves and sealing of ends	m	50		
2.4	Concrete slabs for crossing of other services - rate must include installation 200mm below existing services	m	5		
2.5	Cable warning tape, 300mm above cables	m	500		
2.6	Cable markers, above cables	No	6		
2.7	600/1000V PVC SWA cables, in trenches and sleeves, including labels				
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
2.7.1	150mm ² 4core	m	0		
2.7.2	70mm ² 4core	m	0		
2.7.3	50mm ² 4core	m	0		
2.7.4	35mm ² 4core	m	0		
2.7.5	25mm ² 4 core	m	250		
2.7.5	16mm ² 4core	m	0		
2.7.6	16mm ² 2core	m	0		
2.7.7	10mm ² 4core	m	200		
2.7.8	6mm ² 2core	m	0		
2.7.9	4mm ² 2core	m	0		
2.8	600/1000V Cable terminations, for PVC PVC SWA PVC Cu cables, for indoor or outdoor use, as required				
2.8.1	Gland no 5 complete with shroud	No	4		
2.8.2	Gland no 4 complete with shroud	No	0		
2.8.3	Gland no 3 complete with shroud	No	0		
2.8.4	Gland no 2 complete with shroud	No	0		
2.9	Earth conductors (HDHC), including ends				
2.9.1	95mm ²	m	0		
2.9.2	35mm ²	m	0		
2.9.3	25mm ²	m	0		
2.9.4	16mm ²	m	250		
2.9.5	10mm ²	m	0		
2.9.6	6mm ²	m	200		
2.9.7	4mm ²	m	0		
2.10	Testing of this section in the presence of the Employer and/or the Engineer, including all equipment, power generator, etc.	No	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4	<u>COMMUNITY HALL</u>				
4.1	General trenching workfor sleeves along the routes as pegged out on site after co-ordination with other services Allowance must be made for the sifting of soil when required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall be carried out as specified for overall siteworks.				
4.1.1	Trenching through floor for sleeves	m³			rate only
4.1.2	Excavation and backfilling in soft soil	m³			rate only
4.1.3	Excavation and backfilling in hard rock	m³			rate only
4.2	Cable and Data Sleeves				
	Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
4.2.1	75mm Diameter for Data	m			rate only
4.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
4.2.3	75mm Diameter	No			rate only
4.2.5	110mm Diameter	No			rate only
4.3	Draw Wires				
4.3.1	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation	m	600		
4.4	Distribution Boards				
	Supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays,doors,switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized interna				
4.4.1	Distribution Board (DB-Hall)	No.	1		
4.4.1	Distribution Board (DB-Hall Stage)	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable and Bare Copper Earth Wire in sleeves and in trenches				
4.5.1	25mm 4 core PVC SWA Cable	m			rate only
4.5.2	16mm BCEW	m			rate only
	Terminations:				
4.5.3	25mm 4 core cable	No	2		
4.5.4	16mm BCEW	No	2		
4.6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories. Built or Chase into brick or concrete work:				
4.6.1	20mm Galvanised Conduit	m	90		
4.6.2	25mm Galvanised Conduit In Ceiling space and Timber work or along Purlins	m	80		
4.6.3	20mm Galvanised Conduit	m	120		
4.6.4	25mm Galvanised Conduit	m	90		
4.6.5	Girder clamp for chain and wire,	No.	30		
4.6.6	Conduit Boxes Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
4.6.7	20mm diameter 4 way type(round box)	No	20		
4.6.8	450 x 450mm Bonding tray in roof space	No			rate only
4.7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work. Flush mounted type:				
4.7.1	100 x 50 x 50mm	No	10		
4.7.2	100 x 100 x 50mm	No	15		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.8	PVC Wiring in conduits:				
4.4.1	2.5mm ² for lights circuits	m	900		
4.4.2	4mm ² for plug sockets circuits	m	650		
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
4.4.3	2.5mm ²	m	900		
4.4.4	4mm ²	m	650		
4.9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
4.9.1	1 Lever 1 way	No	10		
4.9.2	1 Lever 2 way	No			
4.9.3	2 Lever 2 way	No			rate only
4.9.4	Photo cell	No	1		
4.9.5	Occupancy Sensors	No	8		
4.10'	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
4.10.1	16A 3 pin single socket outlets	No	0		
4.10.2	16A 3 pin double socket outlets	No	15		
4.10.3	Type D: Wall mounted power cluster socket outlets	No			
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.11	Light Fittings Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories. Fittings to be equal and similar approved to the below quoted manufacture.				
4.11.1	Type F1: 2x26W 1200mm T5 Open Channel Fluorescent Light	No	2		
4.11.2	Type F2: 1x26W 1200mm T5 Open Channel Fluorescent Light	No	0		
4.11.3	Type B1: 1x18 W Wall mounted bulkhead	No	15		
4.11.4	IP66 LED Flare with Control Gear	No	20		
4.11.5	Type B1: 9W Ceiling mounted downlighter	No	8		
4.11.6	Beams LED IF Flat Parcons 7x18W Luminaire	No	0		
4.11.7	Roundo H 2X18w downlighter	No	14		
4.11.8	Moving Head Spot 14X 10W Luminaire	No	0		rate only
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
4.12.1	Building installation	Sum	1		
4.13	Others				
4.13.1	300 x 300mm - Telephone & Data DB	No	0		
4.13.2	Provide the sum of R5,500-00 for P8000 lay-in wiring ducts c/w lighting and ceiling support accessories	Sum	1		
4.13.3	Provide the sum of R0-00 for stage curtain, motor and accessories	Sum	0		
4.13.4	Provide the sum of R80000-00 for earthing and lightning protection installations by ELPA specialist	Sum	1		
4.13.5	Provide the sum of R0-00 for Stage Lights installations by specialist	Sum	0		
4.13.6	5A socket outlets for light fittings	No	12		
4.13.7	Supply and install a 200L Solar Water Geyser	No	0		
4.13.8	40A Isolator points with complete and suitable fitting, for geyser or cooker	No	15		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3	Area Lighting				
3.1	3.0m Galvanised Hospital grey or Black Streetlight steel poles complete with circuit breakers and accessories	each	12		
3.2	Supply and install 55W LED ZELA Fittings complete with accessories in each pole above	each	12		
3.3	Supply and install 4mm 3core swa cable 600/1000V PVC for Streetlights	m	200		
3.4	Type F1: 2x26W 1200mm T5 Open Channel LED Tubes Light	No	6		
3.5	Type B1: Ceiling mounted bulkhead 1x 18W CFL	No	8		
3.6	Supply and install 2.5mm Bare Copper Earth Wire for Streetlights	m	200		
3.7	Supply and install Terminations for above cable	each	8		
3.8	Supply and install Electrical Danger Tape	m	200		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4	<u>GUARD HOUSE</u>				
4.1	General trenching workfor sleeves along the routes as pegged out on site after co-ordination with other services removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall be carried				
4.1.1	Trenching through floor for sleeves	m³			rate only
4.1.2	Excavation and backfilling in soft soil	m³			rate only
4.1.3	Excavation and backfilling in hard rock	m³			rate only
4.2	Cable and Data Sleeves				
	Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
4.2.1	75mm Diameter for Data	m			rate only
4.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
4.2.3	75mm Diameter	No			rate only
4.2.7	110mm Diameter	No			rate only
4.3	Draw Wires				
4.3.1	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation	m	60		
4.4	Distribution Boards				
	Supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays,doors,switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized interna				
4.4.1	Distribution board (Guard House)	Sum	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable and Bare Copper Earth Wire in sleeves and in trenches				
4.5.1	6mm 2 core PVC SWA Cable	m			rate only
4.5.2	4mm BCEW	m			rate only
	Terminations:				
4.5.3	6mm 2 core cable	No	1		
4.5.4	4mm BCEW	No	1		
4.6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories. Built or Chase into brick or concrete work:				
4.4.1	20mm Galvanised Conduit	m			rate only
4.4.2	25mm Galvanised Conduit	m	30		
	In Ceiling space and Timber work or along Purlins				
4.4.3	20mm Galvanised Conduit	m	50		
4.4.4	25mm Galvanised Conduit	m			rate only
4.4.5	Girder clamp for chain and wire, STRUTFAST Type AH-1420	No.			rate only
4.4.5	Conduit Boxes				
	Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
4.4.6	20mm diameter 4 way type(round box)	No	6		
4.4.7	450 x 450mm Bonding tray in roof space	No			rate only
4.7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work. Flush mounted type:				
4.7.1	100 x 50 x 50mm	No	3		
4.7.2	100 x 100 x 50mm	No	2		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.8	PVC Wiring in conduits:				
4.8.1	2.5mm ² for lights circuits	m	90		
4.8.2	4mm ² for plug sockets circuits	m	100		
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
4.8.3	2.5mm ²	m	90		
4.8.4	2.5mm ²	m	100		
4.9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
4.4.1	1 Lever 1 way	No	3		
4.4.2	1 Lever 2 way	No			rate only
4.4.3	2 Lever 2 way	No			rate only
4.4.4	Photo cell	No	1		
4.4.4	Occupancy Sensors	No			rate only
4.1	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
4.10.1	16A 3 pin double socket outlets	No	2		
4.10.2	Type D: Wall mounted power cluster socket outlets	No			rate only
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.11	Light Fittings Supply, delievery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories. Fittings to be equal and similar approved to the below quoted manufacture.				
4.11.1	Type W: 2x26W 1200mm LED Vapour Proof Fluorescent Light	No	2		
4.11.2	Type D: 9 W LED Wall mounted downlighter	No	2		
4.11.3	Type D1: 9 W Wall mounted up & down downlighter	No	2		
4.11.4	Type B1: Ceiling mounted bulkhead 18W LED	No	4		
4.12	Electrical Tests Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
4.12.1	Building installation	Sum	1		
4.13	Others				
4.4.1	300 x 300mm - Telephone & Data DB	No	1		
4.4.2	100 x 100 x 50mm - Draw box for Communication complete with blank cover	No			rate only
4.4.3	2 compartment power skirting installed in offices	m	3		
4.4.4	Telephone and DATA points on Powerskirting; must include draw box, blank cover plate, etc,	No	3		
4.4.5	Provide the sum of R5000-00 for earthing and lightning protection installations by specialist	Sum	1		
4.4.6	16A power socket outlet on power skirting	No	3		
4.4.7	5A 2pole Isolator, in suitable York Box, for HVAC	No			rate only
4.4.8	40A Isolator points with complete and suitable fitting, for geyser or cooker	No			rate only
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	RATE	QTY	AMOUNT
5	CCTV O/DOOR CAMERA HOUSING			
5.1	IDS Alarm KIT X64 -Optex RX	1		
5.2	IDS Key pad X -Series LCD 860 -03 - 0531	1		
5.3	TX SHERLOTRONICS 4CH CODE HOOPING	10		
5.4	RX SHERLOTRONICS 2CH 150M RANGE RECEIVER	1		
5.5	SOUND DEVICES - SIREN GSS 40W 2 TONER	3		
5.6	KE RELAY ON BOARD - ACDC LED	2		
5.7	PSU 13.8VDC POWER STORE 3A 7AH	2		
5.8	BATTERY 12V SLA - DAFRON 5.2 AH	2		
5.9	GLUE - TUBE 50ML	40		
5.10	CABLE SOLID WHITE 12 CORE	3		
5.11	SUNDRIES AND OTHER OMMITED	1		
5.12	LABOUR ALARM	1		
5.13	MAINTANANCE PROCEDURE & MANUALS	1		
5.14	TESTING & COMISSIONING	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
12	<u>STANDBY GENERATOR SET</u>				
12.1	25 kVA Diesel Generator c/w automatic change over Supply, off-loading positioning and installation of a 25kVA complete with automatic change over switch. Generator to be enclosed in a silent canopy	No	1		
12.1.1	Provision for labelling of installation as directed by the Engineer	No	1		
12.2	Generator plinth , approx. 2105mm x 1300mm x 1910mm The above shall include all relevant civil works pertaining to this item	Sum	1		
12.3	Commisioning and Testing Supply all Test equipment and Labour for Testing,	Sum	1		
12.4	TRAINING AND ADDITIONAL ITEMS				
12.4,1	Development of syllabus for training of maintenance personnel for the installation above	Sum	3		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

MECHANICAL AND FIRE INSTALLATION

MOLOTO COMMUNITY HALL		
SUMMARY: MECHANICAL WORKS INSTALLATION		
SECTION	DESCRIPTION	AMOUNT
1	Preliminary and General	
2	Wet Services	
3	Fire Protection	
	SUB TOTAL 1	
TOTAL BID PRICE VAT INCL		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2		WET SERVICES - SCHEDULE A				
		Supply, delivery, installation, commissioning and testing of New water supply and waste water drainage piping, complete connections and fittings.				
2.1	SW	Supply, delivery, installation, commissioning and testing of Cold/Hot Water Supply system				
2.1.1		Φ15mm 460/0 Copper Piping for Connection of Hot Water Supply Piping complete with connections, reducers and fittings	m	250		
2.1.2		Φ15mm Galvanised Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	250		
2.1.3		Φ22mm 460/0 Copper Piping for Connection of Hot Water Supply Piping complete with connections, reducers and fittings	m	120		
2.1.4		Φ20mm Galvanised Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	250		
2.1.5		Φ35mm Galvanised Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	100		
2.1.6		SABS Approved Copper Adjustable Pressure Reducing Valves	Sum	4		
2.1.7		Stop/Gate Valves	Sum	4		
2.1.8		Accessories (Insulation material, Braided Connectors, Elbows, Tees and etc.)	Sum	4		
2.2	HW	Supply, delivery, installation, commissioning and testing of Hot Water Supply System				
2.2.1		100L Indirect Solar Geyser	No	0		
2.2.2		200L Indirect Solar Geyser	No	2		
2.2.3		6kW Tankless system @ 3L/min Flow Rate (Hall - Stage Ablution Area)	No	0		
2.2.4		2.5m² Flat Plate Collector (SABS)	No	4		
2.2.5		Glycol 5L Bottle (food grade)	No	2		
2.2.6		Pipe 22x5.5m 460/0 Copper Tube	No	4		
2.2.7		Insul 7/8x1/2 Insuflex 22x13mmx1.83m	m	8		
2.2.8		Bottom Angle Bracket	No	3		
2.2.9		Consumables	Sum	3		
2.2.10		Parts Kit	Sum	3		
2.3	TC	Testing and Commissioning				
2.3.1		Testing and Commissioning of all Wet Services Installations	Sum	1		
TOTAL BROUGHT DOWN (WET SERVICES)						

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3		FIRE PROTECTION				
		Supply, delivery, installation, commissioning and testing of Fire Protection Systems complete with connections and fittings in Accordance with SANS 10400 Part T and SANS 10400 Part W				
3.1	FHR/FH	Supply, delivery, installation, commissioning and testing of Fire Hydrants & Fire Hose Reels				
3.1.1		Φ100 Two Port Booster with Pressure Guage	No	1		
3.1.2		Φ100mm Storz Hydrant – Φ100mm female BSP inlet & Φ100mm Storz outlet	No	1		
3.1.3		Φ65mm Outlet Outdoor Type Fire Hydrant	No	1		
3.1.4		Φ65mm, 30m MET Lay flat hose with coupling	No	1		
3.1.5		Φ100mm Non Return Valve and two gate valves	No	1		
3.1.6		Φ32mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hose Reel	m	300		
3.1.7		Φ50mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hose Reel	m	0		
3.1.8		Φ65mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hydrant	m	0		
3.1.9		Φ65mm Class 16 HDPE Piping for Connection of Fire Hydrant	m	100		
3.1.10		Φ110mm Class 16 HDPE Piping Mains Connection	m	0		
3.1.11		Reducing Valves, Fittings and Accessories (Fire Hose Reels and Hydrants)	Sum	1		
3.1.12		Red Oxide Imperial Paint	L	10		
3.1.13		Open Fire Hose Cabinet	No	3		
3.1.14		80.0 m³ Steel Sectional Water Storage Tank complete with accessories and fixtures - mounting plinths, strainers, non-return valves, ball valves, and inlet and outlet manifolds	No	0		
		Supply, install, test and commission Electric motor driven fire pump suitable for automatic operation consisting of the following (as per specification)				
3.1.15		End suction Vertical centrifugal pump type, fire pump complete with 211/s at a total head of 5.5 Bar including by pass arrangement for periodical testing of the working of the pump set as required, strainer on suction side and pressure gauge on delivery side etc.The pump shall be provided with mechanical seals,and outlet manifoldsThe above mounted on a base, pre-piped, pre-wired and tested	No	1		
3.1.16		Squirrel cage A.C induction motor suitable for operation on 415V, 3 Phase 50Hz A.C supply and of minimum 100kW for the above pump with flexible coupling as per specification	No	0	Incl.	
3.1.17		All coupling of pump and motor should be covered with safety guard			Incl.	
3.1.18		Jockey Pump: 1.5 L/s @ 5.5 Bar Jockey Electrically driven	No	0	Incl.	
		PUMP ROOM PUMPHOUSE PIPEWORK & ELECTRICAL CONNECTIONS				
3.1.19		All pumphouse pipework and necessary valves as per tender drawings and specification	Sum	0	Incl	
3.1.20		All electrical panels, cabling, safeties, switches, etc for electrical pump, jockey pump and any other equipment housed within the pump house	Sum	0	Incl.	
3.2	FE	Supply, delivery, installation, commissioning and testing of Fire Extinguishers complete with chevron board				
3.2.1		30m, 20mm diameter, non-swinging rotary pattern type Fire Hose Reels	No	3		
3.2.2		9 kg Dry Chemical Powder Portable Fire Extinguishers	No	0		
3.2.3		10 kg Carbon Dioxide Portable Fire Extinguishers	No	0		
3.2.4		5 kg Carbon Dioxide Portable Fire Extinguishers	No	0		
3.2.5		4.5 kg Dry Chemical Powder Portable Fire Extinguishers	No	6		
3.2.6		Fire Extinguishers Cabinet for 5kg CO ₂	No	0		
3.2.7		Fire Extinguishers Cabinet for 4.5kg DCP	No	6		
3.2.8		Fire Extinguishers Cabinet for 10kg CO ₂	No	0		
3.2.9		Fire Extinguishers Cabinet for 9kg DCP	No	0		
3.2.10		Wooden Fire Extinguisher Boards	No	6		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.3	ES	Supply, delivery and installation of Evacuation Signage and Fire Escape Doors				
3.3.1		E1/E2, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.3.2		E1/E2, Size: 380mm x 190mm (h x w) Vertical projecting double sided photoluminescent sign framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.3.3		E2, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.3.4		E1, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.3.5		E3, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	25		
3.3.6		E16/E17, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	12		
3.3.7		E13/E14, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.3.8		E13, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.4	FS	Supply, delivery and installation of Fire Equipment Signage				
3.4.1		F2/F3, Size: 190mm x 760mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.4.2		F1, Size: 190mm x 760mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.4.3		F5/F6, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	15		
3.4.4		F5, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.4.5		F4, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	12		
3.4.6		F18/F21, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.4.7		F5, Size: 190mm x 870mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	5		
3.4.8		F16/F19, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
3.4.9		F13, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.5		Supply, Delivery, Testing and Commissioning of an Manually Operated Alarm System Complete to Comply with SANS 10139 and SANS 10400: T				
3.5.1		4 Loop Addressable Fire Control Panel with Batteries	No	1		
3.5.2		Addresseable ziton smoke detectors and bases	No	0		
3.5.3		Call points with bases	No	11		
3.5.4		Sounder, Red, Shallow Base, 100db with Complimentary Strobe Lights	No	8		
3.5.5		2 Core PH 60 Cable, 1mm	m	1800		
3.5.6		Conduit	m	1500		
3.5.7		Fire Department Link - Remrad/SMS Communicator	No	0		
3.6		Testing and Commissioning of all Fire Protection Installations				
3.6.1		Testing and Commissioning of all Fire Protection Installations	Sum	1		
TOTAL BOUGHT DOWN (FIRE PROTECTION)						

MOLOTO COMMUNITY HALL		
SUMMARY: MECHANICAL WORKS INSTALLATION		
SECTION	DESCRIPTION	AMOUNT
1	Preliminary and General	
2	HVAC - Air Conditioning & Comfort Cooling	
	SUB TOTAL 1	
TOTAL BID PRICE VAT INCL		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2		SYSTEMS OD1				
2.1	RFCU-U1	Supply, delivery, installation, commissioning and testing of 9.0kW Cooling Capacity Air-Conditioning Indoor unit (Heat Pump, Inverter, R410) complete with insulated refrigerant piping, condensate drains, trunking, electric wiring and connection, remote controls and top-up refrigerant				
2.1.1		Round Floor Cassette Unit, 9.0 kW cooling capacity with Heat Pump and Inverter (SABS Approved)	No	2		
2.1.2		Wired Controller	No	2		
2.1.3		Chord for Wired Controller	m	6		
2.1.4		Interface Adapter for Wired Controller	No	2		
2.1.5		Refrigerant piping - Liquid (Φ 9.52) Flare connection	m	25		
2.1.6		Refrigerant piping - Gas (Φ 15.9) Flare Connection	m	25		
2.1.7		Drain piping - ID (Φ25) Hose	m	20		
2.2	RFCU-U2	Supply, delivery, installation, commissioning and testing of 11.2kW Cooling Capacity Air-Conditioning Indoor unit (Heat Pump, Inverter, R410) complete with insulated refrigerant piping, condensate drains, trunking, electric wiring and connection, remote controls and top-up refrigerant				
2.2.1		Round Floor Cassette Unit, 11.2 kW cooling capacity with Heat Pump and Inverter (SABS Approved)	No	1		
2.2.2		Wired Controller	No	1		
2.2.3		Chord for Wired Controller	m	3		
2.2.4		Interface Adapter for Wired Controller	No	1		
2.2.5		Refrigerant piping - Liquid (Φ 9.52) Flare connection	m	15		
2.2.6		Refrigerant piping - Gas (Φ 15.9) Flare Connection	m	15		
2.2.7		Drain piping - ID (Φ25) Hose	m	10		
2.3	HWMU 01	Supply, delivery, installation, commissioning and testing of 3.6 kW Cooling Capacity Air-Conditioning Indoor unit (Heat Pump, Inverter, R410) complete with insulated refrigerant piping, condensate drains, trunking, electric wiring and connection, remote controls and top-up refrigerant				
2.3.1		High Wall Mounted Unit, 3.6 kW cooling capacity with Heat Pump and Inverter (SABS Approved)	No	1		
2.3.2		Wired Controller	No	1		
2.3.3		Chord for Wired Controller	m	3		
2.3.4		Interface Adapter for Wired Controller	No	1		
2.3.5		Refrigerant piping - Liquid (Φ 6.35) Flare connection	m	15		
2.3.6		Refrigerant piping - Gas (Φ 12.70) Flare Connection	m	15		
2.3.7		Drain piping - ID (Φ18) Hose	m	10		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.4		Accessories				
2.4.1		Sixteen (16) port VRV heat recovery BC controller	No	0		
2.4.2		Central Controller	No	0		
2.4.3		Local Remote Controller	No	4		
2.4.4		Wireless Receivers	No	4		
2.4.5		Wireless Remote	No	4		
2.4.6		Twining Kit	No	0		
2.4.7		Twining Kit	No	0		
2.4.8		Branch Pipe	No	0		
2.4.9		Joint Pipe	No	0		
2.4.10		Terminal Interface	No	0		
2.4.11		Decoration Panel	No	4		
2.4.12		Decoration Panel	No	0		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.5		FRESH AIR FAN, EXTRACTION FANS AND ANCILLARIES				
2.5.1		250 l/s @ 300 pa In-Line Axial Extraction Fan	No.	3		
2.5.2		9600 l/s @ 300 pa In-Line Axial Extraction Fan	No.	0		
2.5.3		1100 l/s @ 350 pa In-Line Axial Extraction Fan	No.	1		
2.5.4		Ø 150 mm, 10 micron air filter, c/w galvanised filter box and all the necessary fittings	No.	3		
2.5.5		Sound Attenuater	No.	6		
2.5.6		250 x 250 mm Weather Louver	No.	3		
2.5.7		600 x 800 mm Weather Louver	No.	4		
2.6		SUPPLY AIR AND EXTRACTION DUCTWOK				
		Supply and install ductwork to SANS as specified and detailed on the drawings; including wall boxes, bends, flanges, transformation pieces, flexible connections, with all accessories as required for a complete installation				
		Sizes as follows:				
		Spiral Ductwork				
2.6.1		Ø 350mm	m	0		
2.6.2		Ø 350mm	m	0		
2.6.3		Ø 350mm	m	0		
2.6.4		Ø 350mm	m	0		
2.6.5		Ø 350mm	m	0		
2.6.6		Ø 310mm	m	50		
2.6.7		Ø 260mm	m	45		
2.6.8		Ø 210mm	m	40		
2.6.9		Ø 210 Flexi	m	50		
		Ductwork Fittings				
		Couplers and Suspension Rings/Hangers				
2.6.10		Ø 350mm	m	0		
2.6.11		Ø 350mm	m	0		
2.6.12		Ø 350mm	m	0		
2.6.13		Ø 350mm	m	0		
2.6.14		Ø 350mm	No.	0		
2.6.15		Ø 310mm	No.	30		
2.6.16		Ø 260mm	No.	30		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.6.17		Flanged spigots Ø 210mm	No.	25		
2.6.18		Stop Ends Ø 210mm	No.	2		
		Transformations/ Reducers				
2.6.19		Ø 350mm	m	0		
2.6.20		Ø 350mm	m	0		
2.6.21		Ø 350mm	m	0		
2.6.22		Ø 350mm	m	0		
2.6.23		Ø 350 mm to Ø 310mm	No.	0		
2.6.24		Ø 310 mm to Ø 210mm	No.	15		
2.6.25		Ø 350 mm Bends (90deg and 45deg)	No.	7		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.6.26		Supply Air Diffusers Supply and install supply linear air diffusers complete with all necessary fixtures and accessories as specified and shown on the drawings Size: 600x100 mm, 153.4 l/s complete with 210mm dia spigot	No.	20		
2.6.27		Volume Control Dampers Supply and install volume control dampers complete with all necessary fixtures and accessories on all the diffusing points Size: 210mm diameter, Butterfly type dampers	No.	20		
2.7		RETURN AIR DUCT WORK Supply and install return ductwork to SANS as specified and detailed on the drawings; Including bends, flanges, transformation pieces, with all accessories as required for a complete installation Sizes as follows:				
2.7.1		Circular Spiral Ducts Ø 320 mm	m	0		
2.7.2		Ø 320 mm Bends (90deg and 45deg)	No.	15		
2.7.3		Ø210 Flexi Duct	m	0		
2.7.4		Couplers and Suspension Rings/Hangers Ø 310 mm	No.	10		
2.7.5		Flanged spigots Ø 210mm	No.	20		
2.7.6		Return Air Grilles For Fresh Air Supply System Supply and install return air Grilles complete with all necessary fixtures and accessories as specified and shown on the drawings Size: 1200x600mm, 614 l/s complete with 2 x 210mm dia spigot	No.	2		
2.7.7		Supply and install cable rack and Galvanized trunking for refrigerant piping c/w joints and fixtures and fittings. 200mm wide cable rack	m	25		
2.7.8		100mmx100mm square Galvanised trunking	m	25		
2.7.9		Supply PVC condensate pipes c/w joints and fixtures and fittings 25mm dia	m	0		
2.8		TEST & COMMISSION				
2.8.1		Test and Commission	Item	1		
TOTAL CARRIED TO SUMMARY (HVAC, SYSTEM OD1 & OD2)						

FINAL SUMMARY

FINAL SUMMARY				Amount
Section No.				
1	PRELIMINARIES		R	
2	COMMUNITY HALL		R	
3	GUARD HOUSE		R	
4	REFUSE YARD		R	
5	PROVISIONAL SUMS		R	
6	EXTERNAL WORKS		R	
7	ELECTRICAL INSTALLATION		R	
8	MECHANICAL AND FIRE INSTALLATION		R	
9	COMMUNITY LIAISON OFFICER		R	
10	SUB-TOTAL (Excl VAT)		R	
	CONTINGENCY @ 10%		R	
	ADD VAT @ 15%		R	
	Carried to Form of Tender			



NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532

THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

SCOPE OF WORK

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Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



C3.1 DESCRIPTION OF WORKS

C3.1.1 EMPLOYER'S OBJECTIVES

This contract covers the supply of all material, labour, plant and equipment for the construction of the community hall in Moloto and all associated infrastructure.

The employer's objectives are to deliver public infrastructure using labour-intensive methods and subcontractors where possible. The project will be executed using both conventional construction methods as well as labour based methods. This is as per the program of the National Department of Public Works the Special Public Works Programme (SPWP) as the guidelines of the Expanded Public Works Programme (EPWP).

Labour-intensive works comprise the activities described in SANS 1921-5/Earthworks activities that are to be performed by hand/Labour-Intensive Specification ⁽¹⁾ and its associated specification data. Such works shall be constructed using local workers who are temporarily employed in terms of this scope of work.

Bidders must note that preference will be given to local based companies and that this bid may be awarded to more than one company.

C3.1.1.1 LOCAL SMMEs DEVELOPMENT

The Contractor will be required to employ local SMMEs Sub-Contracting Company to assist with the excavations of trenches and foundations. The SMMEs Company will be responsible for the appointment of local labourers from the Nkangala District community.

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

The rate of pay set in the SAFCEC tables (South African Federation of Civil Employer's Agenting Contractors). The rate of pay set in the SAFCEC tables (South African Federation of Civil Employer's Agenting Contractors). Sub-contractors must be paid fortnightly and the main contractor must allow for financing such payouts. Sub-contractors must be paid within 7 days from presenting invoice and failure to adhere will be penalised R1 000/day. Failure of sub-contractors for non-payment of his labour will be penalised at 50% of his payment by the main contractor. Contractor must provide enter market-related rates.

The contractor must familiarise him/herself with the abovementioned requirements and price this document accordingly.

C3.1.1.2 KEY PERSONNEL

The Contractor shall maintain the involvement of the key personnel as the exigencies of this contract. Should it become necessary to replace any of the key personnel as detailed at the time of the tender during the course of this contract, they may only replace by individuals with similar or better qualifications and experience and only when a written approval has been obtained from the municipality

Sufficient suitably qualified professional staff must be made available by the contractor and sub-contractor to undertake the full scope of the project. The personnel must be knowledgeable and experienced in their fields of expertise and must be currently actively involved in these fields. The tenderer must include documentary evidence that each proposed key personnel meets these requirements.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The person nominated to act as project site agent for the project must be a registered with the Engineering Council of South Africa (ECSA) as a Candidate Engineering Technician and be in a possession of a diploma in Civil Engineering and have subsequent there of one-year experience in roads construction.

The person nominated for construction monitoring must have a certificate in Civil Engineering with one-year experience in supervision of roads construction.

C3.1.2 OVERVIEW OF THE WORKS

Construction of the community hall in Moloto Village, Thembisile Hani Local Municipality and shall include:

Village	Moloto
Province	Mpumalanga Province
District	Nkangala District Municipality
Locality	Thembisile Hani Local Municipality
Longitude	28° 38' 25.23" E
Latitude	25° 27' 22.92" S

C3.1.3 EXTENT OF WORKS

The Works to be carried out by the Contractor under this Contract comprise mainly the following:

- Hall structure of approximately 1102m² including ablutions, changerooms, kitchen and scullery, boardroom, offices and storerooms and:
- Guardhouse of approximately 16m²,
- Perimeter fencing of approximately 400m;
- Generator room;
- Refuse room of approximately 39m²
- 110m access road of 60mm paving block
- 60mm paving block parking.
- Water and sewer reticulation;
- 1 conservancy tank
- Housing and equipping of 1 borehole,
- 1 elevated 100kl steel tank storage tanks including support structures;
- Subsoil drainage;
- Water and electrical municipal connections;
- Electrical and mechanical works.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



C3.2 ENGINEERING

C3.2.1 Design services and activity matrix

Description	Responsibility
Design of Works	Engineer
Concept, feasibility and overall process	Client
Basic Engineering and detail layouts to tender stage	Engineer
Application for wayleaves	Engineer / Contractor
Final Design of Works	Engineer
Follow up and maintenance of wayleaves	Contractor
Final Design to approved for construction stage	Client
Preparation of tender documentation & adverts	Engineer / Client
Appointment of soil test / topographical surveyors	Engineer
Appointment of sub-contractors	Contractor
Supervision	Engineer
Preparation of as-built drawings	Contractor / Engineer
Completion certificate	Engineer / Client / Contractor

C3.2.2 Drawings

The drawings contained in the tender document shall be used for tender purposes only. Further drawings are to be provided on an on-going basis by the engineer.

The contractor will be supplied with three (3) sets of construction (working) drawings. These prints are issued free of charge and the contractor shall make any additional prints he may require at his own cost.

Any information in the possession of the contractor, which the resident engineer requires to complete the as-built drawings, shall be supplied to the resident engineer before a certificate of completion will be issued.

Only figured dimensions shall be used and drawings shall not be scaled unless so instructed by the engineer. The engineer will supply all figured dimensions omitted from the drawings.

C3.3 PROCUREMENT

The Tenderers notice is drawn to the fact that the awarding of this tender will be in terms of the Supply Chain Management Policy of the Nkangala District Municipality and The conditions of tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement (May 2010) (Available on www.cidb.co.za).

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



C3.4 **SUB-CONTRACTING**

As the Client's policy there will be an appointment of sub-contractors with scope items nominated by the Client for work up to 30% of the project amount. The following scope items are proposed to be allocated to local sub-contractors and should not be less than 30% of the value of works:

- Brickwork – material supply
- Roof timber – supply and installation
- Fencing – supply and installation
- Paving – supply and installation
- Plastering and Screed – supply and installation
- Painting – supply and installation
- Electrical – material supply and labour
- Mechanical – material supply and labour
- Earthworks

No work may be sub-contracted to another party unless approval is given by the Principal Agent in writing. The Contractor is to submit to the Principal Agent in writing a request for appointment of a particular sub-contractor. Accompanying this request is to be the full detail of the sub-contractor, including:

- Previous experience
- Work which will be sub-contracted to him/her
- Approximate value of the work to be sub-contracted

Before the Principal Agent issues any certificate that includes any payment in respect of work done or goods supplied by any sub-contractor, he shall be entitled to call upon the Contractor to furnish reasonable proof that all payments (less retention moneys) included in previous certificates in respect of the work or goods of such sub-contractors have been made or discharged by the Contractor, in default of which, unless the Contractor:

- Informs the Principal Agent in writing that he has reasonable cause for withholding or refusing such payment; and
- Submits to the Principal Agent reasonable proof that he has so informed such sub-contractor in writing.

C3.5 **CONSTRUCTION**

C3.5.1 **Standard Specification**

The following specifications shall apply for the construction of the Works.

- (i) The SANS or BS Specifications and Codes of Practice

Wherever any reference is made to the South African National Standards (SANS) and the British Standards Specification (BSS) in either these Bill of Quantities or the Specification of Materials and Methods to be Used (OOG-001E), this reference shall be deemed to read "SANS or equivalent standard" and BS or equivalent standard" respectively.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



C3.5.2 Plant and materials

All materials shall comply with the requirements of the South African National Standards, and shall bear the official standardization mark. Where SANS standard does not exist for a certain material, or a material does not bear the official standardization mark, the Engineers approval of such material must be gained before use thereof.

C3.5.3 Construction Equipment

All equipment on site shall be in a good working order, and is to be in such a condition that it can achieve production rates which are typical of the industry standards.

Should any equipment, in the opinion of the Engineer, be substandard or breaks down frequently to such an extent that it affects the progress on the project, the Engineer may instruct the Contractor to replace such equipment.

C 3.5.4 Existing Services

The Contractor shall so carry out all his operations as not to encroach on, or interfere with, trespass on, or damage adjoining lands, building properties, roads, structures, places and things in the vicinity of the Works, and he shall free and relieve the Employer of any liability that may be incurred in consequence of his failure to do so.

The services existing on the site will be either shown on the drawings or pointed out on site by the Engineer and / or the Municipality. No excavation work will commence unless a representative of the Municipality and/or the Engineer have been requested to point out existing services in the area under construction. Written confirmation of services that have been pointed out by the Municipality is to be obtained by the Contractor.

All existing services on the site may not be shown on the drawings or be visible on the site. The Engineer may order excavation by hand in order to search for and expose services. An item has been included in the Schedule of Quantities to cover the cost of such work if so ordered by the Engineer. Where a service is damaged because of the Contractors negligence he shall be liable for the cost involved in the repair of the services and any other consequent cost that may arise due to the interruption of the damaged services.

The Engineer is to apply for all respective wayleaves from potential existing services owners in the vicinity of the works. The Contractor shall ensure the issue of the applied wayleaves prior to any excavation taking place on site. The Contractor shall furthermore be responsible for the maintenance of all issued wayleaves for the duration of the works and shall ensure compliance to all requirements contained therein. No excavation is to take place until a representative from the Municipality has been contacted and he has pointed out the existing services to the Contractor and confirmed it in writing.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



C3.5.5 Site Establishment

Source of Water Supply

A reticulated potable water supply is available in the vicinity of the development site. Should the Contractor wish to utilise such water supply, he shall himself be responsible for making his own arrangements with the responsible water supply authority for the supply of all water that he may require from such reticulation network for construction purposes as well as for domestic consumption.

If so required by the responsible water supply authority, the Contractor shall further be responsible, at his own cost, for making or otherwise providing metered connections to the available services at the positions specified by the water authority, as well as for the removal of such connections on completion of the Contract.

No warranty is offered or given by the Employer that the existing available reticulated water supply will necessarily be adequate for the Contractor's purposes nor that such supply is in any way guaranteed.

All charges as may be levied by the responsible water supply authority in respect of water consumed by the Contractor shall be for the Contractor's account and payment to the Contractor in respect thereof shall be deemed to be included in the sums bid by the Contractor for the various Preliminary and General items listed in the Schedule of Quantities, as well as in the rates bid by the Contractor for the various other items listed in the Schedule of Quantities which require the consumption of water.

The Contractor shall, when reasonably required by the Engineer, produce documentary proof that all amounts as may have become due and payable by the Contractor to the responsible water authority have been promptly paid in full.

Sources of power supply

A reticulated electrical power supply is available in the vicinity of the Site. Should the Contractor wish to avail himself of such supply, he shall be responsible for making his own arrangements with the responsible electricity supply authority for the supply of all electrical power he may require from such reticulation network for construction purposes as well as for domestic consumption.

If so required by the responsible electricity supply authority, the Contractor shall, at his own cost, be responsible for making metered connections to the available services at the positions specified by the electricity supply authority, as well as for the removal of such connections on completion of the Contract.

No warranty is offered or given by the Employer that the existing available reticulated electrical power supply will necessarily be adequate for the Contractor's purposes nor that its supply is in any way guaranteed.

All charges as may be levied by the responsible electricity supply authority in respect of electrical power consumed by the Contractor shall be for the Contractor's account and payment to the Contractor in respect thereof shall be deemed to be included in the sums bid by the Contractor for the various Preliminary and

Tenderer

Witness 1

Witness 2

Employer

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General items listed in the Schedule of Quantities, as well as in the rates bid by the Contractor for the various other items listed in the Schedule of Quantities which require the consumption of electricity.

The Contractor shall, when reasonably required by the Engineer, produce documentary proof that all amounts as may have become due and payable by the Contractor to the responsible electricity supply authority have been promptly paid in full.

Location of camp and depot

A specific area in close proximity to or on the Site of the Works will be made available by the Employer to the Contractor for the Contractor's site establishment. The specific area for the Contractor's site establishment will be identified to the Contractor by the Engineer and the Contractor shall have sole use of such area, free of charge, for the duration of the Contract.

The Contractor shall use this area only for the purposes of erecting his site offices, workshops, stores and other facilities required for the execution of the Contract. The Contractor shall not use the area nor allow it to be used for any purposes not directly associated with the execution of the Contract, and the designated area shall not be used for housing the Contractor's employees.

The Contractor shall be responsible for arranging, at his own cost, for the provision of all services he may require. Electricity, water and sewerage are available in the vicinity of, but not on, the area proposed for the Contractor's site establishment.

Should the Contractor deem the area made available by the Employer to be inadequate or unsuitable for the Contractor's particular needs, then the Contractor shall be at liberty to make his own arrangements with the owners of other sites which he considers are better suited to his needs; provided always that the use by the Contractor of any area other than that made available to him by the Employer shall be subject to the prior written approval of the Engineer, which approval shall not be unreasonably withheld; and provided further that the Contractor shall have no claim against the Employer in respect of any costs incurred by him, either directly or indirectly in consequence of utilising any area other than that made available to him by the Employer, and which costs exceed those costs allowed for by the Contractor in his Bid.

The Contractor shall at all times limit his personnel, plant, equipment and materials to the Site or within the working or travelling areas as may be requested by the Client and approved by the Engineer.

The Contractor shall comply with all regulations and local authority ordinances regarding emissions, noise abatement measures, height restrictions and clearance limits to any obstacles.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Temporary offices

The Contractor shall provide on the Site, for the duration of the Contract and for the exclusive use by the consulting engineer and the construction monitoring staff (as applicable), the various facilities described hereunder.

All such facilities shall be provided promptly on the commencement of the Contract and failure on the part of the Contractor to provide any facility required in terms of this specification shall constitute grounds for the Employer to withhold payment of the Contractor's bid for Preliminary and General items until the facility has been provided or restored as the case may be.

(i) Office Buildings (In accordance with SANS 1200 AB)

The Contractor shall provide 1 office (28m²) and 1 conference room for the consulting engineer and the construction monitoring staff. The conference room shall be big enough to seat 16 people around a table for meeting purposes.

The office and conference room shall be weatherproof, shall have a concrete floor and shall be provided with a ceiling and a lining to the walls, or equivalent insulation, with an acceptance type of door with a secure lock, and two opening windows of glazed area at least 3m². Each office shall be well ventilated and shall be so insulated as to provide comfortable working conditions.

The Engineer and his Representative shall be allowed free use of all the Contractor's site facilities, such as photocopying and toilet facilities. The toilet and washbasin to be used by the Engineer and/or his staff shall be kept clean at all times and shall be continuously provided with toilet paper, soap and towels.

A fully stocked first aid kit shall be provided for the Engineer, for which no separate payment will be made. The Contractor shall include the cost for this and for ensuring its contents are kept full and up-to-date in his bid rates for providing facilities for the Engineer.

(ii) Carports

The Contractor shall provide on Site two carports for the exclusive use of the consulting engineer and construction monitoring staff, in accordance with the requirements of sub-clause PSAB 3.3 of section C3.4.6 of the scope of Works. The carports shall be constructed that the vehicles parked under them will at all times be shaded from direct sunlight. The carports shall be at least 25m² in area and shall have a hard stand of crushed stone.

Sanitary facilities

The contractor shall be responsible for the provision of fully functioning sanitation facilities. Payment to the Contractor for the provision of sanitary facilities shall be deemed to be included in the sums bid by the Contractor for the various Preliminary and General items listed in the Schedule of Quantities

Name Boards

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The Contractor shall provide, erect and maintain two (2) contract name boards at such positions and locations directed by the Engineer, which name boards shall, unless otherwise specified elsewhere in the Contract, comply with the recommendations for the standard board of the South African Association of Consulting Engineers, with regard to size, painting, decorating and detail, and the requirements described hereunder.

Each name board shall be made of steel/or tempered hardboard (hardboard thickness at least 12mm and braced on the reverse side to prevent warping) and shall be mounted on two or more, as necessary, firmly planted poles. The painting of the boards shall comply with the relevant requirements of CKS 193 and the colours of the paints shall be an acceptable match to the applicable colours given in SANS 1091.

The Contractor shall keep the contract name boards in good state of repair for the duration of the Contract and shall remove them on completion of the Contract.

Survey assistant and equipment

The Contractor shall, provide the following survey equipment for the exclusive use of the consulting engineer and construction monitoring staff:

- 1 upright reading automatic level with tripod
- 1 metric levelling staff with protective cover bag;
- 100-meter Stilon tape measure

The Contractor shall also, in accordance with the requirements of sub-clause 5.5 of SANS 1200 AB, make available to the consulting engineer and construction monitoring staff, two (2) survey assistants when required.

C3.5.6 Site Usage

Ground and access to the works

The Contractor shall where necessary on or adjacent to roads which carry traffic, provide all the necessary barricades and signs in accordance with the stipulations of the South African Road Traffic Signs Manual.

The Contractor shall further ensure that all public roads that are used for access to the site are kept free of debris at all times. The Contractor shall also take adequate measures to ensure that dust is kept to an acceptable level. The term acceptable is to be deemed as acceptable to the Engineer.

Care, damage and protection

The Contractor shall at his own cost make full provision for all watching and lighting necessary for the protection of all persons, animals, vehicles, etc., from injury by reason of the Works. He shall provide ample warning signs, guard rails, etc., around open excavations, stacks of materials, excavated material, debris or the like, and he shall be held liable for all claims made upon himself or upon the Employer by reason of his neglect of all such precautions and provisions.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



During the periods of construction of the Works and the repair of defects, the Contractor shall, at his own cost, to the satisfaction of the Engineer and the relevant Authority, take sufficient and adequate measures to avoid interrupting the use of all roads, footpaths, water courses, drains, pipes, telephones, electric wires and cables, premises, places and works, public or private, which may in any way be interfered with by the operations; and shall also afterwards permanently restore all structures and everything which may have been temporarily displaced or otherwise interfered with, all to the satisfaction of the Engineer and the relevant Authority, without extra charge beyond the Contract price.

Survey beacons

The Contractor shall take care to safeguard any permanent survey beacons such as erf boundary pegs and reference beacons. Should the Contractor disturb any such pegs and beacons, he shall have them replaced at his own cost by a registered Land Surveyor. The Contractor is to provide the Engineer with written confirmation from the Land Surveyor that he has replaced the relevant beacons.

The Contractor's attention is drawn to article 35(i) of the Land Surveying Act No. 9 of 1927 (as amended) in this regard.

Blasting

As the construction takes place in close proximity to a built up area, extreme care is to be taken during any blasting operations. No blasting shall be permitted without prior written consent from the Engineer. Written as well as verbal notice will be given to all house owners in the affected area 24 hours prior to the blast being set off, and the contractor is to do a survey of all the houses (internal and external) in the area prior to blasting.

A full daily report of all blasting operations (in duplicate) is to be completed by the Contractor.

This report shall inter alia contain the following information:

- Date and time of each blast
- Number of holes
- Charge per hole
- Use of relays, etc.

This report is to be submitted to the Engineer on a weekly basis, and is to be countersigned by the Engineer.

The contractor is to be noted that he is not to use or permit any person to use an explosive powered tool, unless—

- (a) it is provided with a protective guard around the muzzle end, which effectively confines any flying fragments or particles; and

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- (b) the firing mechanism is so designed that the explosive powered tool will not function unless—
- (i) it is held against the surface with a force of at least twice its weight; and
- (ii) the angle of inclination of the barrel to the work surface is not more than 15 degrees from a right angle:

Protection of existing vegetation

Before any tree is cut down and removed from the site, the Contractor shall confirm the necessity of such action with the Engineer or his Representative.

Access to individual erven

Access to all public and private property must be maintained at all times. Where trenches cross the access point to any property, the Contractor is to arrange for adequate and safe vehicular and pedestrian crossings over the trenches.

The Engineer must approve the method of providing access before any excavation commences.

Use of construction vehicles and equipment

The contractor shall ensure that all construction vehicles and mobile plants

- are of an acceptable design and construction;
- are maintained in a good working order;
- are used in accordance with their design and the intention for which they were designed, having due regard to safety and health;
- are operated by workers who-
 - (i) have received appropriate training and been certified competent and been authorised to operate such machinery; and
 - (ii) are physically and psychologically fit to operate such construction vehicles and mobile plant by being in possession of a medical certificate of fitness;
- arrangements to guard against the dangers relating to the movement of vehicles and plant, in order to ensure their continued safe operation;
- are prevented from falling into excavations, water or any other area lower than the working surface by installing adequate edge protection, which may include guardrails and crash barriers;
- where appropriate, are fitted with structures designed to protect the operator from falling material or from being crushed should the vehicle or mobile plant overturn;
- are equipped with an electrically operated acoustic signalling device and a reversing alarm; and

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- (i) are on a daily basis inspected prior to use, by a competent person who has been appointed in writing and the findings of such inspection is recorded in a register.
- no person rides or be required or permitted to ride on any construction vehicle or mobile plant otherwise than in a safe place provided thereon for that purpose;
 - every construction site is organised in such a way that, as far as is reasonably practicable, pedestrians and vehicles can move safely and without risks to health;
 - the traffic routes are suitable for the persons using them, sufficient in number, in suitable positions and of sufficient size;
 - every traffic route is, where necessary indicated by suitable signs for reasons of health or safety;
 - bulldozers, scrapers, loaders, and other similar mobile plant are, when being repaired or when not in use, fully lowered or blocked with controls in a neutral position, motors stopped and brakes set;
 - whenever visibility conditions warrant additional lighting, all mobile plant are equipped with at least two headlights and two taillights when in operation;
 - when workers are working on or adjacent to public roads, reflective indicators are provided and worn by the workers.

C3.5.6 EXTENSION OF TIME RESULTING FROM ABNORMAL RAINFALL

- (a) Extension of time in respect of delays resulting from adverse weather conditions on the Site will only be considered in respect of abnormally wet climatic conditions and shall be determined for each calendar month or part thereof, in accordance with the formula given below:

$$V = (Nw - Nn) + (Rw - Rn)/X$$

in which formula the symbols shall have the following meanings:

V = Potential extension of time in calendar days for the calendar month under consideration:
If V is negative and its absolute value exceeds Nn, then V shall be taken as equal to minus Nn.
When the value of V for any month exceeds the number of days in the particular month, V will be the number of days in the month.

Nw = Actual number of days in the calendar month under consideration on which a rainfall of Y mm or more was recorded on the Site

Nn = Average number of days, derived from existing records of rainfall in the region of the Site, on which a rainfall of Y mm or more was recorded for the calendar month

Rw = Actual rainfall in mm recorded on the Site in an approved rain gauge for the calendar month under consideration

Rn = Average rainfall in mm for the calendar month, derived from existing records of rainfall in the region of the Site

The factor (Nw - Nn) shall be deemed to be a fair allowance for variations from the average number of days during which the rainfall exceeds Y mm.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The factor $(R_w - R_n)/X$ shall be deemed to be a fair allowance for variations from the average number of days during which the rainfall did not exceed Y mm but wet conditions prevented or disrupted work. The values of X and Y shall be 20 and 10 respectively

(b) The number of rain-related delays is the average number of days on which (10mm) of rain or more has been measured by the weather station closer to site over the last (10) years. The rainfall records were obtained from station number **0514408AX – Bronkhorspruit** are reproduced in the table below, and the monthly averages (R_n) for this period shall, for the purposes of this Contract be taken as normal and as the values to be substituted for R_n in the formula above.

Actual extensions of time due to inclement weather shall be agreed between the engineer's and contractor's representatives on the site. The agreed whole days or parts thereof shall be recorded at the monthly site meetings. Adjustment to the contract period shall only be made at the end of the contract when the contractor may submit its claim for the agreed extension due as well as any additional payment resulting from the delay. Extension caused by inclement weather delays will only accrue once the agreed cumulative delays exceed the values of V were obtained by applying the rainfall formula and using the actual rainfall figures and the calculated values of R_n indicated in the table and N_n that is still to be provided.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Table C3.5.6: AVERAGE DELAYS DUE TO ADVERSE WEATHER CONDITIONS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
No. of days with rainfall >10mm	2.0	1.3	3.0	1.0	0.6	0.1	0	0.1	0.8	2.8	3.1	3.2	18
Rounded number of days	2	1	3	1	1	0	0	0	1	3	3	3	18

(c) The Contractor shall, at his own cost, provide and erect on the Site at a location approved by the Employer's Agent, an approved rain gauge, which shall be fenced off in a manner which will prevent any undue interference by workmen and others. The Contractor shall, at his own cost, arrange for the reading of the rain gauge on a daily basis for the duration of the Contract. The gauge readings, as well as the date and time at which the reading was taken shall be recorded in a separate record book provided by the Contractor for this purpose. All entries in the rainfall record books shall be signed by the person taking the reading and the gauge shall be properly emptied immediately after each reading has been taken. If required by the Employer's Agent, the Employer's Agent shall be entitled to witness the reading of the gauge.

(d) The Contractor's claims in terms of Subclause 23.1.1 Conditions of Contract for extension of time in respect of delays resulting from wet climatic conditions on the Site during, shall be submitted in writing to the Employer's Agent monthly; provided always that

(i) the period allowed to the Contractor in terms of Clause 23 of Conditions of the Contract in which to submit his claim is within twenty (20) working days of becoming aware, or ought reasonably to have become aware of such delay

(ii) The employer's agent in terms of Subclause 23.7 shall, within twenty (20) working days of receipt of the claim, grant in full, reduce or refuse the working days claimed.

(e) The extent of any extension of time which may be granted to the Contractor in respect of wet climatic conditions (whether normal or abnormal) shall be determined as the algebraic sum of the "V" values for each month between the Commencement Date and the Due Practical Completion Date of the Contract. provided always that

(i) rainfall occurring within the period of the Contractor's Christmas shut-down period shall not be taken into account in the calculation of the monthly "V" values;

(ii) rainfall occurring during any period during which the Contractor was delayed due to reasons other than wet climatic conditions on the Site, and for which delay an extension of time is granted by the Employer's Agent, shall not be taken into account in the calculation of the monthly "V" values;

(iii) if the algebraic sum of the "V" values for each month is negative, the time for completion will not be reduced on account of subnormal rainfall, and

(iv) where rainfall is recorded only for part of a month, the "V" value shall be calculated for that part of the month using pro rata values for Nn and Rn.

Tenderer

Witness 1

Witness 2

Employer

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Witness 2



(f) The Employer's Agent shall, simultaneous with granting any extension of time in terms of this clause, revise the Due Completion Date of the Contract to reflect an extension of time having been granted in respect of wet climatic conditions, to the extent of the algebraic sum of all the "V" values for all the preceding months of the Contract, less the aggregate of the "Nn" values for the remaining (unexpired) months of the Contract (viz less aggregate of the potential maximum negative "V" values for the remaining Contract Period). Thus, provided that where such period is negative, the Due Completion Date shall not be revised.

(g) Any extension of time in respect of wet climatic conditions granted in terms of this clause shall not be deemed to take into account delays experienced by the Contractor in repairing or reinstating damage to or physical loss of the Works arising from the occurrence of abnormal climatic conditions. Extension of time in respect of any such repairs or reinstatement regarding damage shall be the subject of a separate application for extension of time in accordance with the provisions of Clause 23 of the Conditions of Contract.

LEGEND

"AVE" represents the average rainfall for the month

"N DAY RAIN" represents the average number of rain days per month (this data will be made available)

C3.6 MANAGEMENT

C3.6.1 Management of the Works

Planning and programme

The Contractor shall deliver to the Engineer within **14 days**, calculated from the commencement date, a realistic programme showing the order of procedure, the duration of activities making up the programme and method which he proposes to use in carrying out the Works in order to meet the due completion date for this project.

The tenderer is to note that the penalty for failing to complete the works is **TBA** per day.

Setting out of the works

Generally, the positions of the works have been fixed on the plans according to the existing stand boundaries. The Engineer is to approve all setting out prior to commencement of excavation.

Excavation of works & safety

The contractor shall ensure that all excavation work is carried out under the supervision of a competent person who is been appointed in writing. The Contractor will evaluate, as far as is reasonably practicable, the stability of the ground before excavation works begin and he/she shall not permit any person to work in an excavation which has not been adequately shored or braced.

The Contractor will cause convenient and safe means of access to every excavation area in which person are required to work and such access shall not be further than 6m from the point where any worker within the excavation is working.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The Contractor must ascertain as far as is reasonably practicable the location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed, and shall before the commencement of excavation work that may affect any such service, take the steps that may be necessary to render the circumstances safe for all persons involved;

The Principal Contractor shall cause every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be:

- (i) adequately protected by a barrier or fence of at least one metre in height and as close to the excavation as is practicable; and
- (ii) provided with warning illuminants or any other clearly visible boundary indicators at night or when visibility is poor;

The Principal Contractor shall cause warning signs to be positioned next to an excavation within which persons are working or carrying out inspections or tests.

Inspection by engineer

No stage of construction shall be proceeded with until the Engineer or his representative has examined and approved the previous stage. If any work is covered or hidden from view before the Engineer has inspected same, the Contractor shall at his own cost open the covered work for inspection. The Contractor shall also be responsible for making good any work damaged by such uncovering.

Employment of local labour

It is a specific criterion of this project that should as far as possible adhere to RDP principles, and to meet these principles the following procedures will be followed:

All labour is to be sourced from the Local Municipal; area of jurisdiction and the Contractor may only bring in key personnel from outside this area. The fixed rate for the appointment of local labour at task grade 2 will be **TBA**. This will be payable by the Contractor on **monthly** basis. The Contractor's attention is drawn to the standard rates **specification ("Annexure A" – Civil Engineering Industry Minimum Wage rates per hour;)** found on the SAFSEC website at www.safcec.org.za. These standard rates should be implemented for payment of all employees of the Contractor.

Exemption of the above is made for the employment of labour on the structural component of the works. All other aspects of the works (roads, stormwater, earthworks) is subject to the above local labour clause.

Key personnel would typically include the Contracts Manager, Site Agent, and Supervisor for each discipline, and operators of plant where the operator must be seated.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



A Monthly labour report on all local labour i.e. payments and labour days should be submitted to the Engineer at the end of each month in order for the Engineer to submit a report to the Employer.

None of the Works shall be executed except between sunrise and sunset on Monday to Saturday, inclusive, of any week, and none of the Works shall be executed on any special non-working days stated in the Contract Data, unless:

- The Engineer's permission in writing is obtained, subject to such conditions as may be laid down by the Engineer; or
- Provision is specifically made for it in the Contract; or
- Work is unavoidable or necessary for the saving of life or property or for the safety of the Works.

Site Meetings

Regular meetings will be held between all relevant parties to establish the progress and / or delays and problems that might occur on site. Any problems of delays will be address accordingly and the Contractor will receive proper instructions with reference to this matter.

Communication

The Engineer on this project will be: **Mr Osvaldo Simba**

Contact No: **(011) 312 4070**

The contact person for the Employer is: **Me Mokgadi Mokgolomotho**

Contact No: **(013) 249 2145**

Daily Records

Daily records of resources (equipment and people employed) must be kept and must be available on site at all times. These records will include i.e. site instruction book, site diary, site visit register, contractual documentation and minutes of all project meetings. Labour information should be kept updated at all times.

Compliance with applicable laws

The Contractor shall, in performance of the Contract, comply with all applicable laws, regulations and statutory provisions and agreements, and shall in particular, on the request of the Engineer, provide proof that he has complied therewith with regard to amongst others:

- Wages and conditions of work; and
- Safety

Payment Certificates

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



As consideration for the construction, completion and defects correction of the Works, the Employer shall pay the Contractor in terms of the provisions of the Contract.

Clearance of site

On completion of the Works, the Contractor shall clear away and remove from the site all Construction Equipment, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a safe condition. All streams and watercourses (where applicable) shall be cleaned and restored to the condition as at the commencement of the Works. If the Contractor does not, within a reasonable time, comply with this requirement, the Employer may have the site cleared and recover the cost thereof from the Contractor.

Termination of Contract

If application is made for the sequestration of the Contractor's estate, or if the Contractor publishes a notice of surrender of his estate or presents a petition for the acceptance of the surrender of his estate as insolvent, or makes a compromise with his creditors, or assigns in favour of his creditors, or agrees to carry out the Contract under the supervision of a committee representing his creditors, or (being a company) goes into liquidation, whether provisionally or finally (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), or if the contractor assigns the contract without having first obtained the Employer's consent in writing, or if execution is levied on his goods or if the Engineer certifies reference to this Clause, that in his opinion the Contractor:

- Has abandoned the contract; or
- Without reasonable excuse has failed to commence the Works in terms of Clause 5.3 of the General Conditions of Contract for Construction Works (2015), or has suspended the progress of the Works for fourteen (14) days after receiving from the Engineer written notice to proceed or
- Has failed to proceed with the Works with due diligence; or
- Has failed to remove materials from the site or to pull down and replace work within fourteen (14) days after receiving from the Engineer written notice that the said materials or work have been condemned and rejected by the Engineer in terms of these conditions; or
- Is not executing the Works in accordance with the Contract, or is neglecting to carry out his obligations under the Contract; or
- Has, to the detriment of good workmanship or in defiance of the Engineer's instruction to the contrary, sublet any part of the Contract; or
- Has assigned the Contract or any part thereof without the Employer's consent in writing; or
- The contractor or anyone on his behalf or in his employ would pay, offered or offer as payment to any person in the employ of the Employer a gratuity or reward or commission; or

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Witness 2

Employer

Witness 1

Witness 2



- The contractor furnished inaccurate information in the Schedules forming part of this Contract.

Then the Employer may, after giving fourteen (14) days' notice in writing to the Contractor, terminate the Contract and order the Contractor to vacate the Site and to hand it over to the Employer, and the Employer may then enter upon the site and the Works and expel the Contractor there from without thereby affecting the rights and powers conferred on the Employer of the Engineer by the Contract, and the Employer may himself complete the Works or may employ another contractor to complete the Works.

The Employer or such other contractor may use for such completion so much of the construction equipment, temporary works and materials bought onto the site by the Contractor as the Employer may think proper, and the Employer may at any time sell any of the said construction equipment, temporary works and unused materials and apply the proceeds of sale toward payment of any sums that may be due or become due to the Employer by the Contractor under the Contract.

In such circumstances the Contractor shall forthwith vacate the site and shall not be entitled to remain on the site on the grounds that he is entitled to do so on a right of retention until amounts due to him have been paid, neither will the contractor be entitled to any further payments of this Contract.

C3.7 HEALTH AND SAFETY

Health & Safety Issues

All work is to be carried out in accordance with the Occupational Health and Safety Act and Regulations (Act 85 of 1993) (a copy of which must be kept on site), the Explosive Material Act of (Act 26 of 1956), the Minerals Act of 1991, and the Factories Machinery and Building Work Act (No 22 of 1941).

The Contractor's notice is drawn to the stipulations of the Construction Regulations 2003, a regulation of the Health and Safety Act 1993 (Gov Notice No R1010 of 18 July 2003). The construction regulation will be applied vigorously on the project.

The Contractor to be appointed must have made provision for the cost of health and safety measures during the construction process. The contractor must have the necessary skills, competencies and resources to carry out the work safely. A proper Safety Plan is to be submitted by the Contractor and a copy thereof is to be made available to all applicable appointed labourers and permanent workers on this project.

The Contractor is to ensure that the legal compliance for the Health and Safety issues are in place. Audits will be carried out to ensure that the Contractor is registered and in good standing with the Workmen's Compensation fund and that the Contractor has affected insurance indemnifying the Employer against penalties levied upon the Employer due to the acts of omissions of the Contractor in failing to comply with the provisions of the OHS regulations 2003. A compliance audit will also be carried out to ensure that the Contractor has appointed a full-

Tenderer

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time competent person in writing to deal with the issues of the OHS and that a risk assessment has been conducted and a copy of the Safety plan is on site before any work commences.

Operational audits will be carried out on the following important issues:

- That the Safety Plan is on site at all times
- That the Contractor's Safety file is on site at all times
- That the Safety Officer is on site at all times
- That Safety meetings are conducted as per the Safety Plan
- That employees are working under safe conditions
- That the public is not placed in danger
- That there is no harm to the environment

Accommodation of traffic

It is expected of the Contractor to ensure that the free flow of traffic is possible throughout the construction period.

The Contractor is to provide all necessary barricades, signs and lighting in accordance with the stipulations of the South African Road Signs Traffic Manual, and the Protective Services of the Local Municipality. All work is to be to the satisfaction of the Engineer.

Reporting of accidents

In addition to any statutory regulations, the Contractor shall, as soon as practicable, report to the Engineer every occurrence on the Works or the site causing damage to property of injury of death of persons. If required by the Engineer, the Contractor will submit a report in writing to the Engineer within 48 hours of such requirement setting out full details of the occurrence. The Engineer shall have the right to make any enquiries either on the site or elsewhere as to the cause and results any such occurrence and the Contractor shall make available to the Engineer the necessary facilities for carrying out such enquiries.

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VARIATIONS AND ADDITIONS TO STANDARDIZED/PARTICULAR SPECIFICATIONS

The following Standard AATS Amendments to the Standardized Specifications are available in electronic format:

Standard AATS Amendments to Standardized Specifications			<u>Dated</u>
SANS 1200A	-	General	October 1998
SANS 1200G	-	Concrete (Structural)	October 1998

AMENDMENTS TO STANDARDIZED SPECIFICATIONS

GENERAL

1. These amendments shall be read in conjunction with the applicable sections of SANS 1200 STANDARDIZED SPECIFICATIONS.
2. Item Numbers

In the following amendments, each item number refers to the applicable clause or sub-clause number in SANS 1200 STANDARDIZED SPECIFICATION.
3. Non-Amended Clauses

Only clauses amended are referred to. Non-amended clauses remain applicable as stated in SANS 1200 STANDARDIZED SPECIFICATIONS.
4. Reference to Clauses

Any reference to any Clause or Sub-Clause in SANS 1200 STANDARDIZED SPECIFICATIONS and as amended herein shall also refer to any amendment to such clauses or sub-clauses as applicable.

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EMPLOYER'S REQUIREMENTS - VARIATIONS TO REQUIREMENTS OF SPECIFICATIONS LISTED IN PS 24

PSA GENERAL

PSA 4.2 Contractor's Camp

Housing for the Contractor's employees are limited to 2 persons on the proposed work site. The Contractor shall make his own arrangements to house the remainder of his employees off the Employer's property and transport all his employees to and from the site.

PSA 5 Construction

PSA 5.2 Accommodation of Traffic

Clause 5.2 shall be amended to include that accommodation of traffic for work in private or public roads shall be dealt with in this section and that the provisions of Clauses 5.1.6 SANS 1200 D as amended shall apply.

PSA 5.9 Method of Construction

Except where acceptance of the Contractor's proposed method of construction is stated in the letter accepting a tender, acceptance of the tender does not signify acceptance of such methods of construction and it does not in any way relieve the Contractor of any of his responsibilities for the Works, and it shall not be used as a basis for claiming compensation where the proposed methods of construction do not comply with the requirements of the specifications and are not approved of subsequent to the award of the contract.

PSA 8 Measurement and Payment

PSA 8.1.1.1 Method of Measurement of Work covered by Particular Specifications

Except where otherwise specified in Portion 2 of the Employer's Requirements or in the preamble to any schedule the method and units of measurement, notwithstanding any standard system, general or local custom, shall be those reflected in the Schedules of Quantities and are measured nett as fixed.

PSA 8.1.4 Withholding of Payment of Time-related P&G

This clause is amended to include that if the contractual monthly rate of advance is not met the payment of the monthly Time-related P&G will be adjusted by the factor of the actual advance achieved divided by the contractual rate of advance for that month.

In subsequent months the deficit may be caught up if the Contractor exceeds the planned monthly target until such time as the advance is back on programme.

Additional payment will not be made if the Contractor exceeds his programmed target.

PSG CONCRETE (STRUCTURAL)

PSG 3 Materials

PSG 3.2 Cement

Tenderer

Witness 1

Witness 2

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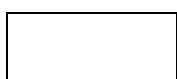
PSG 3.2.2 Air Entraining Agents

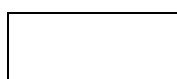
The use of air entraining agents will not be permitted by the Engineer.

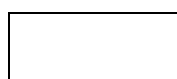
PSG CONCRETE (STRUCTURAL) (CONTINUED)

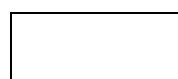
PSG 8 Measurement and Payment

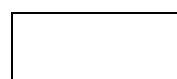
This Clause shall be deemed to be deleted, all measurement and payment shall be in accordance with the Standard System of Measuring Building Work, Latest Edition.

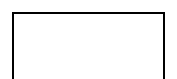

Tenderer


Witness 1


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Employer


Witness 1


Witness 2



VARIATIONS AND ADDITIONS TO STANDARDIZED/PARTICULAR SPECIFICATIONS

SUPPLEMENTARY PREAMBLES

PS A GENERAL

(a) Meaning of Term "Best"

The word "best" shall be taken in its ordinary English sense despite any trade custom to the contrary.

(b) Trade Names

WHERE TRADE NAMES AND CATALOGUE REFERENCE NUMBERS HAVE BEEN USED IN THE BILL OF QUANTITIES TO SPECIFY A PRODUCT, TENDERERS MUST TENDER ON THE PARTICULAR PRODUCT SPECIFIED.

The Tenderer may also offer alternative materials etc. on Appendix C.3 to the Form of Tender showing the specification of the Alternative offered and the cost effect.

The successful Tenderer (i.e. Contractor) may, after obtaining written authority from the Engineer, use an alternative product. Where such written authority is given by the Engineer at the request of the Contractor, for the Contractor's convenience all additional costs involved will be for the Contractor's account. In the event of a cheaper product being used, a variation order reflecting the saving in cost will be issued.

(c) P.C. Rates Included In The Bill Items

Where P.C. Rates for materials are included in the Bill items, this rate shall be adjusted by the nett difference between the cost of the material as purchased and the P.C. rate stated. The nett cost as purchased shall include the supply of the material and delivery to site and shall be nett after deduction of any discount. Costs shall exclude Value Added Tax which is added on the Summary.

The quantity to be adjusted will be the nett quantity as measured. A nett adjustment on the difference of 5% only unless otherwise stated will be made to allow for waste etc.

The accepted quotation for P.C. materials will be adjusted back to the escalation base date and the adjusted rate will be subject to variations in price as the Haylett Formula calculation.

PS C EARTHWORKS

Classification of Materials:

The following is the classification of the materials to be excavated:

Materials Class "C"

Shall mean granite, quartzitic sandstone or other rock of similar hardness and isolated boulders over 0,3 cubic metres in volume, the practicable excavation of all of which, in the opinion of the Engineer, would normally necessitate the use of explosives, and this specification shall apply whether or not blasting is

Tenderer

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authorised.

Materials Class "B"

Shall mean hard shale, compact oudklip and all rock other than that included in Class "C" above of such hardness as can only be efficiently removed, in the opinion of the Engineer, by the use of pneumatic picks or similar mechanical means.

Materials Class "A"

Shall mean earth and all materials to be excavated other than those included in Classes "B" and "C" above and that, in the opinion of the Engineer, can reasonably be removed by manual picking or similar manual means and shall include made up ground, rubbish, soft shale, black turf, gravel, loose oudklip, clay and any isolated boulders less than 0,3 cubic metres in volume.

If the Contractor considers that any of the excavation encountered is in Classes "B" or "C" material he shall immediately notify the Engineer in writing for their ruling, failing such notification the excavations shall be deemed to be in Class "A" material and shall be measured and valued accordingly.

The decision of the Engineer as to the classification of the material shall be final and binding and any objections as to the classification must be made in writing before the excavations have been backfilled.

Blasting

The Contractor must provide for whatever method of removal may be adopted and there is no guarantee given or implied that blasting shall be adopted.

If the Contractor is permitted by the Engineer to execute any blasting, such work must be carried out in strict conformity with the latest Mine and Government regulations and the Contractor must take all responsibility during blasting operations for damage or annoyance caused by reason of blasting. He shall be deemed to be fully aware of all Laws and Regulations governing the import, transport, storage and use of explosives for blasting.

Prices

Quantities are for nett voids to be formed in accordance with the drawings and prices are to include for bulking and forming to falls, slopes, curves, trimming sides, levelling and ramming bottoms, stepping bottoms of trenches, staging, getting out, setting aside for use as filling or wheeling and depositing on site and spreading and levelling where directed.

Special Note: The whole of the excavations are measured as in Class "A" material (as defined in the Preambles) and shall be understood to include boulders removable without blasting or special machinery.

All foundations must be compacted.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



PS D CONCRETE, FORMWORK AND REINFORCEMENT

All work shall be in accordance with SANS 1200G with the following amendments which shall take precedence over the Model Preambles.

The measurement and payment clauses shall be deemed to be deleted, all measurement shall be in accordance with the latest amendments of The Standard System of Measuring Builders Work, Latest Edition.

Testing

Note: The Contractor is to provide six steel or cast iron "test cube" moulds size 150 x 150 x 150mm internally with the inner faces accurately machined in order that opposite sides of the specimen shall be plane and parallel.

Each mould is to have a base plate with a plane surface and of such dimensions as to support the mould during filling without leakage.

Concrete for test cubes is to be taken from the point at which the concrete is being deposited and the position clearly recorded for later reference.

Formwork

(a) Prices:

Prices for all formwork shall be deemed to include for propping to not exceeding 3,5m unless otherwise stated and for all square, raking and splay cutting and waste

(b) Rough Formwork

Note: The term "Rough Formwork" shall mean formwork, the inner faces of which shall be such as will impart to the resultant concrete face a finish that would be obtained from the use of sawn timber or ordinary used steel plates.

(c) Smooth Formwork

Note: The term "Smooth Formwork" shall mean formwork, the inner faces of which shall be such as will impart to the resultant concrete face a finish that would be obtained from the use of plywood faced shuttering boards or steel forms which are new when concreting commences and are thoroughly cleaned after each use. Concrete cast against "Smooth Formwork" will not be plastered and the resultant concrete face must be suitable for painting.

(d) Smooth and Fair Formwork

Note: The term "Smooth and Fair Formwork" shall mean formwork, the inner faces of which shall be such as will impart to the resultant concrete face a finish that would be obtained from the use of plywood faced shuttering boards or steel forms which are new when concreting commences and are thoroughly cleaned after each use. Concrete cast against "Smooth and Fair Formwork" must be free of projections, indentations, blow holes and must be of uniform even colour throughout to the satisfaction of the Engineer. Such concrete will not be plastered and the resultant concrete face will be exposed and no patching will be permitted.

Tenderer

Witness 1

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Employer

Witness 1

Witness 2



PS F **MASONRY**

Prices:

The prices of brickwork are to include for all square, rough or fair cutting and waste, plumbing angles, forming reveals, wedging and pinning against columns, beams and slabs etc., building around electrical conduit or other piping and building or casting in wall ties.

All brickwork is to be built in stretcher bond unless otherwise stated with wire ties where exceeding half brick thick.

Facing Bricks

Prices of facing bricks are to include for all square cutting, pointing in (1:6) cement mortar as the work proceeds, protecting from damage and cleaning down on completion.

Note: Facing bricks shall be sorted to ensure that proper mixing of the bricks within the colour range is obtained, as sudden changes in general colour of facework will not be accepted. All facing bricks with defective arises, chipped corners and damaged surfaces are to be discarded and not built-in.

Fibre Cement Cills

As far as possible all cills must be in single lengths; continuous cills which cannot be obtained in single lengths must be neatly butt jointed and the joint filled in flush with fine cement mortar and must be so arranged that the joint falls symmetrically on the middle line of the window.

Prices are to include for square sawn edges with angles slightly rounded, fixing lugs and screws and fixing complete including cutting mortises for lugs or setting lugs in cement mortar and bedding and jointing in (1-3) cement mortar, pointing in (1-1) cement mortar and cleaning down on completion to receive paint.

PS I **CARPENTRY AND JOINERY**

Timber Treatment:

Prices for all timbers which are to be fixed or left in the building are to include for effective pre-treatment against borer or other pests including site or factory treatment of any cut surfaces.

Fixing:

Prices of all items shall include for planting on unless otherwise stated. Prices for items described as "plugged" shall include for hardwood or other approved plugs or "Nailit" bricks and screws. No screws, bolts etc. shall be exposed and prices shall include for concealing heads by countersinking and pelleting.

Mitres:

The prices of all skirtings, cornices, architraves, fillets, mouldings and other similar unframed joinery shall include for short lengths, mitres, stops, cut and fitted ends, mitred returned ends etc.

Cutting and Waste:

The prices of all ceiling boarding, hardboard, chipboard, fibre cement sheets, timber boarding etc.

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for ceilings, joinery and fittings shall include for all square cutting and waste.

Note: All sizes are finished sizes.

Specification for the Design, Manufacture and Erection of Timber Roof Trusses Design

- (a) The entire timber roof structure (trusses, bracing, and all structural details) shall be designed and detailed by Mitek South Africa (Pty) Ltd.
- (b) The design and drawings shall incorporate all the details and requirements of this drawing.
- (c) All design work shall be carried out by a Registered Professional Engineer in accordance with the following Codes of Practice, SANS 0163 - The Design of Timber Structures, The Structural use of Timber and SANS 0160 - The General Procedures and Loadings to be adopted in the Design of Buildings.
- (d) The wind loads calculated in accordance with SANS 0160 shall be based on the following:
 - i) Basic wind speed: 40m/s.
 - ii) Mean return period: 50yrs.
 - iii) Terrain category: 1.
 - iv) Height: 5m.
- (e) The design stresses in the truss metal connector plates shall not exceed the values established by the CSIR through joint tests on the connectors.

Construction Drawings

- (a) Working drawings shall be prepared for each roof by Mitek South Africa (Pty) Ltd.
- (b) The drawings shall be signed by the Registered Professional Engineer responsible for the Design of the Roof.
- (c) The following minimum information shall be shown on the drawings:
 - i) A layout of the whole roof system with the positions of all trusses, bracings, etc., clearly indicated.
 - ii) All truss details, including connector plate sizes and any bolted joint details.
 - iii) All bracing details.
 - iv) All timber sizes and grades.
 - v) All connection details/specifications.
 - vi) Details of the loads for which the roof has been designed.
- (d) The working drawings are to be issued to the Engineer for comment before the delivery to site of roof trusses.



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Roof Trusses

- (a) All trusses shall be prefabricated monoplanar, nail plated, timber trusses.
- (b) The fabricator shall be in possession of a current "Certificate of Competence" issued by the Institute for Timber Construction.
- (c) All joints shall be close fitting butt joints made by precision pressing of "Mitek" metal connector plates into each side of the joint.
- (d) All hangers, cleats and brackets for connection of the roof components shall be as supplied by Mitek SA (Pty) Ltd.

General

- (a) All timber shall be structural graded South African Pine. It shall be graded in accordance with SANS - 563 or 1245 and be at least Grade 4.
- (b) All bolts shall be Grade 4.6 in accordance with SANS - 135.
- (c) All bolts shall be provided with square or round mild steel washers of the following minimum dimensions (mm),
 - Up to M8 :25 x 2,2
 - Up to M12:36 x 4,0
 - Up to M20: 60 x 5,0
- (d) All nails shall be in accordance with SANS - 820.
- (e) All metal components (connector plates, truss hangers, bolts, washers, nails, "hurricane" clips, etc.) shall be galvanised with a minimum mass of zinc per unit surface area of 275g/sq.m (total both sides). All heavy-duty connector brackets, cleats, bolts, nuts and washers may be electroplated to SANS 728 minimum coats of zinc of 135g/m² or alternatively hot dip galvanised to SANS 934.
- (f) All timber members are to be pre-treated in accordance with SANS-05 (1980).

Holding Down Requirements

The Roof structure shall be held down to the walls using 38 x 1,2mm galvanised hoop iron straps built at least 7 courses into the brickwork or 200mm into reinforced concrete ringbeams. The protruding end of the strap is to be bent firmly over the roof truss rafter (i.e. through 180o) and secured using 4 No. 40 x 2,8mm diameter galvanised clout nails.

The positions of the straps are to coincide with the designed positions of the roof trusses and no deviations will be permitted.

Erection

The delivery, storage on site, erection and bracing of the timber roof structure shall be in accordance with SANS 0243- 1992.

No ceiling shall be fixed until the erected timber roof structure has been inspected and approved in writing by the Registered Professional Engineer responsible for the Roof Structure Design. The

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written approval is to be issued by the Principal

PS J **CEILINGS**

H-Profile Steel Jointing Cover Strips

Shall be formed from 0,60mm steel sheeting pressed to profile for thickness of ceiling board and fixed to all junctions of same in accordance with the ceiling board manufacturer's instructions, and unless otherwise stated shall be used in conjunction with Fibre Cement Board ceilings and Gypsum plasterboards. Galvanised H-profile strips are to be degreased and primed to paint Manufacturer's specifications before erection.

Trap Doors in Ceilings

Shall be formed in accordance with standard detail No. 236A with 75mm x 38mm timber framing around each opening, spiked together and to bottom edge of supporting timber. Size of opening, unless otherwise specified, to be 800mm x 800mm. The trap door shall be formed with skeleton frame of 50mm x 38mm brandering, covered on underside as for ceiling and hung on one pair 75mm steel butts. Soffit of trap door shall be flush with the soffit of the ceiling when closed and shall flap back when open. When trap door is closed, it shall rest on 50mm x 19mm meranti fillets fixed on soffit of ceiling all round opening. Fillets shall project 12mm into opening to carry trap door. Trap doors shall be positioned between trusses. The trap door may be an approved metal type.

PS K **FLOOR COVERINGS**

Prices:

The prices of all floor coverings are to include for all square cutting and waste, covering up, protecting from injury and cleaning on completion.

PS L **IRONMONGERY**

Fixing:

Prices are to include for fixing to softwood, hardwood or pressed steel door frames unless otherwise stated.

PS M **STRUCTURAL STEELWORK**

As per AAC Specifications which is available upon request.

AAC - Spec-114-001 Design of Steel Structures. Issue 10

AAC - Spec-114-002 Construction of Structural Steelwork. Issue 14 AAC - Spec-164-050 Corrosion Protection of Steelwork with Coatings. Issue 7

PS N **METALWORK**

The mass of all steel has been calculated in accordance with the mass list issued by the South African Iron and Steel Industrial Corporation Limited and no allowance has been made for rolling margins, binding wire or waste.

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Any variation in the mass of the steel actually used from the above mass list is for the Contractor's account and the listed masses will be adhered to in all calculations affecting the mass of steel on this Contract.

Prices:

Prices to include for cutting to lengths, welding, fixing and erection complete unless otherwise stated, cleaning off and filing welds smooth on completion.

All fabricated steelwork is to be factory primed and prices shall include for this.

PS O **PLASTERING**

Screeds:

Note: All screeds must have a compressive strength of 20MPa, be finished smooth and executed under supervision; and to the requirements of any specialist concerned.

PS Q **PLUMBING**

Sizes:

Unless otherwise stated all pipes are round. The sizes shown are the Inside Diameter (I.D.), except in the case of copper tubes and plastic pipes where the sizes shown are the Outside Diameter (O.D.).

Testing:

Provide all necessary apparatus, water, etc. and allow for testing to the whole of the plumbing and drainage work etc. in parts and sections as completed and/or handed over to the satisfaction of the Principal Agent. All defective work is to be taken out and replaced at the Contractor's expense and the whole re-tested until found perfect.

Chases:

Note: No chasing of the brickwork for any services will be allowed, all piping etc. must be built into the brickwork as the building of the brickwork proceeds or chases cut using an approved saw chasing machine. Cutting of holes for connections must be done using a power drill and the diameter of the holes cut must not exceed the pipe by more than 6mm.

Sanitary Fittings

Note: All sanitary fittings are to be first grade.

All valves etc. are to be stamped. Prices are to include jointing to pipes.

PS V **ELECTRICAL WORK**

Provide and install the Electrical Installation complete in accordance with the General Technical Specification: - Architectural buildings, Domestic buildings with amendments as shown in the Bills of Quantities and all as shown on the drawings and supply and fix and connect up all light fittings, hot water heaters, and all appliances shown on the drawings including all bonding to water pipes

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and gutter all building in, cutting chases and holes with power tools and making good in all trades. No hand chasing of brickwork for any services will be allowed and cutting of holes must be done using a power drill and the diameter of the hole must not exceed the pipe size by more than 6mm and shall not be made from both sides of walls.

PS R **GLAZING**

Note:

Prices are to include for glazing with special metallic non-hardening putty and for cleaning glass on completion.

PS T **PAINTING**

Multi Colours:

Prices must include for painting in multi-colours and all cutting in at change of colour

Surface Preparation:

Prices are to include for all necessary preparation and rubbing down.

Note:

Plascon Paints to be used throughout unless otherwise stated. All painting to be in accordance with Manufacturer's specifications and undercoats to be tinted to colour of final coat.

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NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532

THEMBISILE HANI LOCAL MUNICIPALITY CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

C4 SITE INFORMATION

C4.1: SITE INFORMATION

C4.2: LOCALITY PLAN

Contractor

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Witness 2

Employer

Witness 1

Witness 2



C4.1 SITE INFORMATION

C4.1.1 General

The project under study is located in Moloto village in Thembisile Hani Local Municipality (THLM) within Nkangala District Municipality. The site is situated adjacent to R573 road (Moloto road).

Co-ordinate: S 25°27'22.92" E 28°38'25.23"

C4.1.2 Climate and Weather

The proposed site is situated in a region of summer rainfall with a maximum average monthly precipitation of up to 102 mm in the month of December when the maximum air temperature reaches 33°C. Winter temperatures range from 0 to 18°C in the months of June and July. The Weinert's N-value for this area is between 2 and 5 which indicates a moderate region with decomposition of rock and the presence of Kaolinite Clay.

C4.1.3 Topography

The development site embankment slopes in an Easterly direction following the natural watercourse of the Elands River.

C4.1.4 Material site investigation

No geological features such as faults and lineaments were visible within and around the investigation area. Soft excavation conditions are anticipated within the transported soils and residual soils (up to 3.0 m) across the site.

The material information will be available to the successful tenderer.

Contractor

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Witness 2

Employer

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Witness 2



C4.2 LOCALITY PLAN



Figure 1.1 – Key Plan

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF MOLOTO COMMUNITY HALL, PHASE 2

C5 ANNEXURES

Part C5 : Annexures

The following documents form part of the Contract and are available on request:

- C5.1: Nkangala District Municipality Supply Chain Management Policy;
- C5.2: Nkangala District Municipality Health and Safety Specification.
- C5.3: Tender Drawings

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NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF
MOLOTO COMMUNITY HALL, PHASE 2

C5.1 NDM SUPPLY CHAIN MANAGEMENT POLICY (REFER TO CD)

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NKANGALA DISTRICT MUNICIPALITY



PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF
MOLOTO COMMUNITY HALL, PHASE 2

C5.2 NDM HEALTH AND SAFETY SPECIFICATION (REFER TO CD)

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NKANGALA DISTRICT MUNICIPALITY



**PROJECT NO: 57532 THEMBISILE HANI LOCAL MUNICIPALITY: CONSTRUCTION OF
MOLOTO COMMUNITY HALL, PHASE 2**

C5.3 TENDER DRAWINGS

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