

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No	Quantity	Rate	Amount
<p><u>SECTION 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and /or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Principal Building Agreement (Edition 6.2 - Ma Building Contracts Committee shall be the applicable build hereinafter described.</p> <p>The JBCC Principal Building Agreement contract data public sector bodies forms an integral part of this agree</p> <p>The JBCC General Preliminaries (May 2018) published Committee for use with the JBCC Principal Building Agree shall be deemed to be incorporated in these bills of qual amended as hereinafter described</p> <p>The contractor is deemed to have referred to the above intent and meaning of each clause</p> <p>The clauses in the above mentioned documents are here number and heading only.</p> <p>Where any item is not relevant to this agreement such ite applicable"</p> <p>Where standard clauses or alternatives are not entirely a; amendments, modifications, corrections or supplements relevant clause heading and such amendments, modifica shall take precedence notwithstanding anything to the coi mentioned documents</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			R

<p style="text-align: right;">Brought Forward</p> <p><u>TENDERER'S SELECTIONS</u></p> <p>Before submission of his tender the contractor is to com the contract data for organs of state and other public</p> <p><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></p> <p>Section A : A recital of the headings of the individual clau Principal Building Agreement</p> <p>Section B : A recital of the headings of the individual clau General Preliminaries</p> <p>Section C : Any special clauses to meet the particular circ</p> <p style="text-align: center;">-----</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should the contractor select Option A in the contract da public sector bodies for the adjustment of preliminarie relevant items in these preliminaries are to be divided in categories provided namely fixed (F), value related (V) ar</p>				<p>R</p>
<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>				<p>R</p>

Carried Forward

Brought Forward

R

PRICING OF BILLS OF QUANTITIES

The **contractor** is to allow opposite each item for all cost to include, unless otherwise stated, for all materials, fabric unloading, storing, unpacking, hoisting, labour, setting, fitting and waste (except where to be measured in accordance measurement), patterns, models and templates, plant, transport packaging, duties, taxes (other than Value Added Tax), overheads, profit and all other obligations arising out of

Items left unpriced will be deemed to be covered in prices these **bills of quantities** and no claim for any extras arising omission to price any item will be entertained

Prices for all **construction equipment**, temporary works, include for the supply, maintenance, operating cost and good as necessary

VALUE ADDED TAX

Provision is made in the summary page of these **bills of** for the inclusion of Value Added Tax (VAT)

SECTION A: PRINCIPAL BUILDING AGREEMENT

INTERPRETATION

DEFINITIONS AND INTERPRETATION (A1)

1 Clause 1.0

The following definitions replace corresponding definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (2018), whatever the case may

ADVERSE WEATHER CONDITIONS: Adverse weather at same meaning and used interchangeably and means any wind, snow, frost, temperature (cold or heat) that are not

Carried Forward

R

Section No. 1
 Bill No. 1
 PRELIMINARIES

<p style="text-align: center;">Brought Forward</p> <p>the construction takes place and during which no work is</p> <p>AGREEMENT: The completed Form of Offer and Acceptar Principal Building Agreement and contract data for organs bodies, the contract drawings, the priced document and an writing and signed by the authorised representative or repr</p> <p>CONSTRUCTION PERIOD: The period commencing on by the Contractor and ending on the date of practical cor</p> <p>CONTRACT PERIOD: The period commencing on the dat ending on the date of final completion</p> <p>COST FLUCTUATION shall mean contract price adjustme adjustment of fluctuation in the cost of labour, plant, materi schedule</p> <p>DEFAULT INTEREST: No Clause</p> <p>GUARANTEE FOR CONSTRUCTION: A security in terms Construction form/s, obtained by the contractor from an ins Employer [CD]</p> <p>INTEREST: The interest rates applicable on this Contract, the relevant clauses or not, will be the rate as determined time to time, in terms of section 80(1)(b) of the Public Final No. 1 of 1999) as amended, calculated as simple interest, State, and will be the rate as published by the Minister of Services from time to time, in terms of section 1(2) of the 1975 (Act No 55 of 1975) as amended, calculated as simp owing by the State</p> <p>LETTER OF ACCEPTANCE: The letter of formal acceptar Service Provider's Tender/Bid, issued and signed by the Ei</p> <p>PAYMENT CERTIFICATE: A certificate issue at regular a principal agent to the parties certifying the amount due anc 25.3</p> <p>PRINCIPAL AGENT: The person or entity appointed by th contract data for organs of state and other public sect principal agent not being appointed, then all the duties an agent as detailed in the agreement shall be fulfilled by the named in the contract data for organs of state and othe</p> <p>TARGETED SUB CONTRACTORS: Sub Contractors that 30% or more of the contract sum, by the contractor, projec amount determined by the Minister in terms of the latest Pr regulations, as may be amended from time to time</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		R	
		R	

	Brought Forward		R
	F:..... V:..... T:.....		
		Item	
	<u>LAW, REGULATIONS AND NOTICES</u>		
2	Clause 2.0		
	F:..... V:..... T:.....		
		Item	
	<u>OFFER AND ACCEPTANCE</u>		
3	Replace Clause 3.3 with the following: This agreement shall come into force on the date of letter of force and effect until the end of the latent defects liability termination [29.0] or the certification of final completion		
	F:..... V:..... T:.....		
		Item	
	<u>CESSION AND ASSIGNMENT</u>		
4	Clause 4.0		
	Ref Clause 6.7 [CD] - Clause 4.2		
	Replace Clause 4.3 with the following: Where a contractor cedes any right or any monies due to agreement as security in favour of a financial institution, employer , which consent shall not be unreasonably withheld		
	F:..... V:..... T:.....		
		Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
	<p><u>DOCUMENTS</u></p>		
5	<p>Clause 5.0</p> <p>Replace last sentence of Clause 5.2 with the following The original signed agreement shall be held by the Emplic</p> <p>Replace Clause 5.4 with the following: The Bills of Quantities shall not be used as a specification unless so instructed by the Principal Agent. The contractor for purpose of ordering material. All dimensions and quanti before ordering. In the event of discrepancy between the drawings shall take preference</p> <p>Replace Clause 5.5 with the following: The parties may publish or disclose on any platform only amount</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>EMPLOYER'S AGENTS</u></p>		
6	<p>Clause 6.0</p> <p>Replace Clause 6.5 with the following:</p> <p>Where the principal agent and/or an agent fails to act or is principal agent or an agent in terms of this agreement, the principal agent and/or an agent</p> <p>Add the following as Clause 6.7: In terms of the clauses listed hereunder, the employer has given a mandate to the principal agent, notwithstanding otf employer shall sign all documents in relation to clauses 4.2 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
	<p><u>DESIGN RESPONSIBILITY</u></p>		
7	<p>Clause 7.0</p> <p>Replace first sentence of Clause 7.2 with the following</p> <p>Any design responsibility undertaken by a subcontractor st except for items that require specific component design an shop drawings and or the assembly thereof</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>INSURANCES AND SECURITIES</u></p>		
	<p><u>WORKS RISK</u></p>		
8	<p>Clause 8.0</p> <p>Replace Clause 8.4 with the following:</p> <p>The contractor shall bear the full risk of damage to and/or whatever cause during construction of the works and here the employer against any such damage. The contractor security measures and other steps for the protection and contractor may deem necessary</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
	<p><u>INDEMNITIES</u></p>		
9	<p>Clause 9.0 Add the following to the end of the first sentence of Clause 9.0 "... due to no fault of the contractor 9.2.9 No Clause 9.2.10 No Clause Add the following as clause 9.3: The employer's rights to claim damages for the contractor's affected. F:..... V:..... T:.....</p>	Item	
	<p><u>INSURANCES</u></p>		
10	<p>Clause 10.0</p> <p>Replace Clause 10.1 with the following: The party responsible shall effect and keep the respective of the employer as beneficiary , from the date of possession certificate of practical completion and with an extension after the date of practical completion [8.2.2] Add the following as Clause 10.1.5.1:</p> <p>Hi Risk Insurance In the event of the project being executed in a geological Area", that is an area which is subject to highly unstable result in catastrophic ground movement evident by sinkholes will apply</p> <p>Add the following as Clause 10.1.5.1.1 Damage to the</p> <p>The contractor shall, from the date of possession of the of practical completion, bear the full risk of and hereby employer against any damage to and/or destruction of the catastrophic ground movement as mentioned above. The precautions and security measures and other steps for the may deem necessary</p> <p>When so instructed to do so by the principal agent, the immediately to remove and/or dispose of any debris arising from the works and to rebuild, restore, replace and/or repair costs</p> <p>10.1.5.1.2 Injury to persons or loss of or damage to The contractor shall be liable for and hereby indemnifies against any liability, loss, claim or proceeding arising at</p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

<p style="text-align: center;">Brought Forward</p> <p>contract whether arising in common law or by statute, cor or the death of any person whomsoever resulting from, ar catastrophic ground movement as mentioned above</p> <p>The contractor shall be liable for and hereby indemnifies liability, loss, claim or proceeding consequent upon loss immovable property, or personal property, or property cor belonging to or under the control of the employer or any arising out of or caused by a catastrophic ground movem occurred during the period of the contract</p> <p>10.1.5.1.3 Replace Clause with the following: It is the responsibility of the contractor to ensure that he his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5 contractor's obligations in terms of the contract, the con (21) calendar days of the date of letter of acceptance works, submit to the employer proof of such insurance</p> <p>10.1.5.1.4 Replace Clause with the following: The employer shall be entitled to recover any and all los: nature suffered or incurred consequent upon the contrac set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such loss from the contractor or by deducting the same from any or under any other contract presently or hereafter existing contractor and for this purpose all these contracts shall</p> <p>10.2 Replace Clause with the following: Where practical completion in sections is required [20.0), alterations and additions, the contractor shall effect and insurance [10.1.1], supplementary insurance [10.1.2], pub where applicable, removal of lateral support insurance [10 in favour of the employer as beneficiary</p> <p>10.6 No Clause</p> <p>Add the following as Clause 10.11 In the event that an insurer dispute the amount of the clai contractor shall be liable to the employer for the differenc determined by the employers Q.S. appointed on the proje amount that the insurer is willing to pay F:..... V:..... T:.....</p> <p><u>SECURITIES</u></p>	R	
<p>11 Add the following as to the relevant related Clauses as Add the following to Clause 11.1: In respect of contracts with a contract sum up to R1 million the contractor to the employer will be a payment reduction</p>	R	Item
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>	R	

<p style="text-align: center;">Brought Forward</p> <p>certified in the payment certificate (excluding VAT)</p> <p>In respect of contracts with a contract sum above R1 millio right to select the security to be provided in terms of C 1.0 schedule. Such security shall be provided to the employer from commencement date. Should the contractor fail to sel should the contractor fail to provide the employer with the working days from commencement date, the security in ter deemed to have been selected</p> <p>The payment reduction of the value certified in a payment mutandis in terms of 25.12.1 - 25.12.5</p> <p>11.1.1 No Clause 11.1.2 No Clause 11.2.2 No Clause 11.3 No Clause</p> <p>Replace Clause 11.4.1 with the following: Hand over the site to the contractor and withhold an amo (10%) of each interim payment certificate until practical value certified shall be subject to the adjustments in term:</p> <p>11.5 No Clause 11.6 No Clause 11.7 No Clause 11.8 No Clause 11.9 No Clause 11.10 No Clause</p> <p>Add the following as Clause 11.11: Where the security as a cash deposit of ten per cent (10% VAT) has been selected: Add the following as Clause 11.11.1: The contractor shall furnish the employer with a cash depo (10%) of the contract sum (excluding VAT) within fifteen (1 commencement date. Failure to furnish the employer with working days Clause 11.4 will apply mutatis mutandis. Add the following as Clause 11.11.2: The employer shall be entitled to recover expense and loss Clause 27.0 provided that the employer notifies the Contra entitlement shall take precedence over his obligations to portions thereof to the contractor. Add the following as Clause 11.11.3: Within fifteen (15) working days of the date of practical con shall reduce the cash deposit to an amount equal to three (excluding VAT) and refund the balance to the contractor Add the following as Clause 11.11.4: Within fifteen (15) working days of the date of final comple</p>	R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>	R	

<p style="text-align: center;">Brought Forward</p> <p>shall reduce the cash deposit to an amount equal to one (excluding VAT) and refund the balance to the contractor.</p> <p>Add the following as Clause 11.11.5: On the date of payment of the amount in the final payment refund the remainder of the cash deposit to the contractor.</p> <p>Add the following as Clause 11.11.6: The parties expressly agree that neither the employer nor cede the rights to the deposit to any third party.</p> <p>Add the following as Clause 11.12: Where security as a variable construction guarantee of ten sum (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.12.1: The contractor shall furnish the employer with an acceptab equal in value to ten per cent (10%) of the contract sum (e working days after issuance of the letter of acceptance. Fa variable construction guarantee within fifteen (15) working mutatis mutandis</p> <p>Add the following as Clause 11.12.2: The variable construction guarantee shall reduce and expir Construction Guarantee form included in the invitation to</p> <p>Add the following as Clause 11.12.3: The employer shall return the variable construction guaran fourteen (14) calendar days of it expiring</p> <p>Add the following as Clause 11.12.4: Where the employer has a right of recovery against the coi employer shall issue a written demand in terms of the vari</p> <p>Add the following as Clause 11.13: Where security as a fixed construction guarantee of five pe (excluding VAT) and a five per cent (5%) payment reductic payment certificate (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.13.1: The contractor shall furnish a fixed construction guarantee five per cent (5%) of the contract sum (excluding VAT)</p> <p>Add the following as Clause 11.13.2: The fixed construction guarantee shall come into force on on the date of the last certificate of practical completion.</p> <p>Add the following as Clause 11.13.3: The employer shall return the fixed construction guarantee (14) calendar days of it expiring.</p> <p>Add the following as Clause 11.13.4:</p>	R	
Carried Forward	R	
Section No. 1 Bill No. 1 PRELIMINARIES		

<p style="text-align: center;">Brought Forward</p> <p>The payment reduction of the value certified in a payment mutandis in terms of 25.12.1 - 25.12.5.</p> <p>Add the following as Clause 11.13.5:</p> <p>Where the employer has a right of recovery against the contractor the employer shall be entitled to issue a written demand in terms of the guarantee or may recover from the payment reduction or</p> <p>Add the following as Clause 11.14.1:</p> <p>Where security as a cash deposit of five per cent (5%) of the contract sum and a payment reduction of five per cent (5%) of the value (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.14.2:</p> <p>The contractor shall furnish the employer with a cash deposit of five per cent (5%) of the contract sum (excluding VAT) within fifteen (15) working days of the commencement date. Failure to submit a cash deposit within the time specified in Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.14.3:</p> <p>Within fifteen (15) working days of the date of practical completion the contractor shall refund the cash deposit in total to the employer.</p> <p>Add the following as Clause 11.14.4:</p> <p>The payment reduction of the value certified in a payment mutandis in terms of 25.12.1 - 25.12.5.</p> <p>Add the following as Clause 11.14.5:</p> <p>Where the employer has a right of recovery against the contractor the employer may recover from the payment reduction or cash</p> <p>Add the following as Clause 11.15:</p> <p>Where security as a payment reduction of ten per cent (10%) of the contract sum (excluding VAT) has been selected.</p> <p>Add the following as Clause 11.15.1:</p> <p>The payment reduction of the value certified in a payment mutandis in terms of 25.12.6 to 25.12.10.</p> <p>Add the following as Clause 11.15.2:</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		R	

	Brought Forward		R
	<p>The employer shall be entitled to recover expense and loss 27.0 provided that the employer notifies the Contractor in entitlement shall take precedence over his obligations to portions thereof to the contractor.</p> <p>Add the following as Clause 11.16: Payments made by the guarantor to the employer in terms construction guarantee shall not prejudice the rights of the this agreement.</p> <p>Add the following as Clause 11.17: Should the contractor fail to furnish the security in terms of discretion, and without notification to the contractor, is entitled selected form of security to that of a ten per cent (10%) paid certified in the payment certificate (excluding VAT).</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>EXECUTION</u></p> <p><u>OBLIGATIONS OF THE PARTIES</u></p>		
12	<p>Clause 12.0 12.1.1 No Clause</p> <p>Replace Clause 12.1.5 with the following: Give possession of the site to the contractor within ten (10) Health and Safety Plan or the issue of a construction permit applicable, after the contractor complied with the terms of</p> <p>12.1.6 No Clause 12.1.8 No Clause</p> <p>Replace Clause 12.2.2 with the following: The priced Bills must be submitted to the Employer within date of request. Where the priced document contains error considered by the employer or principal agent to be imbalanced employer or principal agent and the contractor shall adjust the contract sum</p> <p>Replace Clause 12.2.5 with the following :</p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
	<p><u>SETTING OUT</u></p>		
14	<p>Clause 13.0</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>NOMINATED SUBCONTRACTORS</u></p>		
15	<p>Clause 14.0</p> <p>Ref Clause 6.7 [CD] - Clause 14.1.4</p> <p>14.1.5 No Clause</p> <p>Replace "principal agent " with "employer" [6.7 [CD]] in Cla 14.4.1</p> <p>Ref Clause 6.7 [CD] - Clause 14.6</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>SELECTED SUBCONTRACTORS</u></p>		
16	<p>Clause 15.0</p> <p>Ref Clause 6.7 [CD] - Clause 15.1.4 & Clause 15.5</p> <p>15.1.5 No Clause</p> <p>Replace Clause 15.1.2 with the following: The principal agent shall call for tenders from a list of tender contractor and the employer Replace "principal agent " with "employer" [6.7 [CD]] in Cla</p> <p>F:..... V:..... T:.....</p>	Item	
	<p>Carried Forward</p>		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward		R
	<p><u>DIRECT CONTRACTORS</u></p>		
17	<p>Clause 16.0</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>CONTRACT INSTRUCTIONS</u></p>		
18	<p>Clause 17.0</p> <p>Replace Clause 17.4 with the following:</p> <p>The contractor shall comply with and duly execute all contract instruction for additional work issued after the date making good physical loss and repairing damage to the wc</p> <p>Add the following clause as Clause 17.6:</p> <p>Minutes of meetings shall not constitute a site instruction instruction issued by the principal agent in terms of this cor</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>COMPLETION</u></p>		
	<p><u>INTERIM COMPLETION</u></p>		
19	<p>Clause 18.0</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>PRACTICAL COMPLETION</u></p>		
20	<p>Clause 19.0</p> <p>Replace Clause 19.5 with the following:</p>		
	<p>Carried Forward</p>		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

<p style="text-align: center;">Brought Forward</p> <p>On issue of the only or last certificate of practical completion possession of the works and the site. On issue of the certificate section, the employer shall be entitled to possession of such</p> <p>Add the following as Clause 19.8:</p> <p>WORKS COMPLETION</p> <p>(1) Within seven (7) calendar days of the date of practical completion issue to the contractor a works completion list defining the items apparent at the date of practical completion to be complete completion.</p> <p>(2) Where, in the opinion of the contractor, the works completion contractor shall notify the principal agent who shall inspect receipt of such a notice. Where, in the opinion of the principal agent, the works completion list:</p> <p>(2)(a) Has been satisfactorily completed, the principal agent shall issue a certificate of Works Completion to the contractor with a copy of the works completion list.</p> <p>(2)(b) Has not been satisfactorily completed, the principal agent shall issue the works completion list items that are not yet complete completion thereof. The contractor shall repeat the procedure in terms of clause 19.8(2)(a) and (b) within seven (7) calendar days of receipt of the certificate of Works Completion from the principal agent.</p> <p>(3) Should the principal agent not issue a works completion list within seven (7) calendar days from the end of the initial notice period, the contractor shall notify the employer and principal agent. Should the principal agent not issue a works completion list within seven (7) calendar days of receipt of the certificate of Works Completion from the principal agent, the contractor shall repeat the procedure in terms of clause 19.8(2)(a) and (b) within seven (7) calendar days of receipt of the certificate of Works Completion from the principal agent.</p> <p>(3)(a) Not issue such works completion list within seven (7) calendar days, then the certificate of Works Completion shall be deemed to have been issued on the date of expiry of the initial notice period and works completion shall be deemed to have been achieved on such date.</p> <p>(3b) Issue a works completion list and the work on Works Completion shall be deemed to have been achieved on such date where further defects have become apparent. The contractor shall identify such items on the updated works completion list and the contractor shall repeat the procedure in terms of 19.8(2)(a) and (b) until the contractor is satisfied to the satisfaction of the employer.</p> <p>(4) Should the works completion list not be completed to the satisfaction of the employer within a period of twenty one (21) working days of the issue of the certificate of Works Completion, the contractor shall be liable to a daily penalty as described in clause 21.1.</p> <p>(5) The defects liability period in terms of 21.1 shall commence on the issue of the certificate of Works Completion in terms of 19.8(2)(a) and (b).</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>	R	
	R	

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward		R
	F:.....V:.....T:.....		
	<u>COMPLETION IN SECTIONS</u>	Item	
21	Clause 20.0 Add the following as Clause 20.2.1.A A certificate of Works Completion [19.8] F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
22	<p><u>DEFECTS LIABILITY PERIOD AND FINAL COMPLETION</u></p> <p>Clause 21.0 Replace Clause 21.1 with the following: The defects liability period for the works shall commence date of works completion and end at midnight (00:00) nine of works completion [CD] or when work on the list for comp attended to [21.6), whichever is the later (if we use works</p> <p>Replace Clause 21.6 with the following: On the expiry of the ninety (90) calendar days defects liabi indicated as items with an extended liability as indicated in contractor's notice to the principal agent</p> <p>And/or</p> <p>On the expiry of the defects liability period as indicated in on receipt of the contractor's notice to the principal agent,</p> <p>(1) inspect the works And within ten (10) working days eith detailing all outstanding work or defects that must be atten completion or</p> <p>(2) issue the certificate of final completion to the contractor that part of the works where defects liability period has exp</p> <p>21.6.1 Omit Clause 21.6.2 Omit Clause</p> <p>Add the following as Clause 21.13: The ninety (90) calendar days defects liability period for the extended defects liability period of three hundred and sixty of the listed applicable elements in B14</p> <p>Add the following as Clause 21.14: Penalties will be applied if the items on the completion list period of ninety (90) calendar days [21.1]. If additional defe list during this period, then the Principal Agent and Contrac completion date. Failing in achieving the revised date will applied.[B12.0] F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
	<p><u>LATENT DEFECTS LIABILITY PERIOD</u></p>		
23	<p>Clause 22.0</p> <p>22.3.2 No Clause</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
	<p><u>REVISION OF THE DATE FOR PRACTICAL COMPLETION</u></p>		
24	<p>Clause 23.0</p> <p>Ref Clause 6.7 [CD] – Clause 23.1</p> <p>Ref Clause 6.7 [CD] – Clause 23.2</p> <p>23.2.13 No Clause</p> <p>Replace Clause 23.3 with the following:</p> <p>Further circumstances that delays practical completion due contractor's reasonable control that could not have reasons for which the contractor may be entitled to a revision of the or without an adjustment of the contract value as determined</p> <p>Ref Clause 6.7 [CD] - Clause 23.7</p> <p>Ref Clause 6.7 [CD] - Clause 23.8</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>PRELIMINARIES</p>		

	Brought Forward		R
25	<p><u>PENALTY FOR LATE OR NON-COMPLETION</u></p> <p>Clause 24.0</p> <p>Replace Clause 24.1 with the following: Where the contractor fails to bring the works, or a section final- completion by the applicable completion date [CD], date, the contractor shall be liable to the employer for the</p> <p>Replace Clause 24.2 with the following: Where the employer elects to levy such penalty the employ instruction from the employer, shall give notice thereof to shall determine the penalty due from the later of the date completion [CD], or the revised date for practical- works-, including the earlier of:</p> <p>Replace Clause 24.2.1 with the following: The actual or deemed date of practical- works-, or final- co thereof [23.7.1]</p> <p>F:..... V:..... T:.....</p> <p><u>PAYMENT</u></p> <p><u>PAYMENT</u></p>	Item	
26	<p>Clause 25.0</p> <p>Replace Clause 25.2 with the following: The principal agent shall issue at regular agreed intervals contractor with a copy to the employer, up to and including Payment certificates may be issued to the contractor betwe final payment certificate. A payment certificate may be for</p> <p>Add the following to Clause 25.3: 25.3.12 Monthly Local content report, 25.3.13 EPWP / NYS payment register, labour reports and NYS beneficiaries, Contract between Contractor and EPWI register. (if applicable) 25.3.14 Tax Invoice 25.3.15 Labour intensive report 25.3.16 Contract participation goal reports 25.5 No Clause</p> <p>Replace Clause 25.6 with the following: Materials and goods will only be certified and paid for upor the supplier and proof of transfer of ownership from the su contractor. Once paid, material and goods shall become th</p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

<p style="text-align: center;">Brought Forward</p> <p>shall not be removed from site without the written authority</p> <p>25.7.5 No clause</p> <p>Replace Clause 25.10 with the following: The employer shall pay the contractor the amount stipulate correct in all material respects, within thirty (30) calendar payment certificate, invoice and all other substantiating doc the payment certificate</p> <p>Replace Clauses 25.12 to 25.12.3 with the following: The value certified shall be subject to the following percent</p> <p>(Clauses 25.12.1 to 25.12.5 shall be applicable to a con the event of a contract sum more than R1 million for [11.0]) Clauses 25.12.1 to 25.12.5 shall be applicable)</p> <p>25.12.1 Where a security is selected in terms of C 1.0 Sec works in terms of 25.1 and of the materials and goods in full. The value certified shall be subject to the following per</p> <p>25.12.2 Ninety-five per cent (95%) of such value in interim the date of practical completion</p> <p>25.12.3 Ninety-seven per cent (97%) of such value in interi the date of practical completion and up to but excluding the</p> <p>25.12.4 Ninety-nine per cent (99%) of such value in interir date of final completion and up to but excluding the final pe</p> <p>25.12.5 One hundred per cent (100%) of such value in the of 26 except where the amount certified is in favour of the payment reduction shall remain at the adjustment level app certificate.</p> <p>(Clauses 25.12.6 to 25.12.10 shall be applicable to a co for Option C (C 1.0 Securities [11.0])</p> <p>25.12.6 Where security is a payment reduction in term of terms of 25.1 and materials and goods in terms of 25.4 sha certified shall be subject to the following percentage adjust</p> <p>25.12.7 Ninety per cent (90%) of such value in interim payt date of practical completion</p> <p>25.12.8 Ninety-seven per cent (97%) of such value in interi the date of practical completion and up to but excluding the</p> <p>25.12.9 Ninety-nine per cent (99%) of such value in interir</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		R	

	Brought Forward			R
	<p>date of final completion and up to but excluding the final p</p> <p>25.12.10 One hundred per cent (100%) of such value in th of 26 except were the amount certified is in favour of the payment reduction shall remain at the adjustment level app certificate</p> <p>F:..... V:..... T:.....</p> <p><u>ADJUSTMENT OF THE CONTRACT VALUE AND FINA ACCOUNT</u></p>	Item		
27	<p>Clause 26.0</p> <p>Ref Clause 6.7 [CD] – Clause 26.1 Omit Clause 26.4.3 Ref Clause 6.7 [CD] – Clause 26.7</p> <p>Replace Clause 26.10 with the following: The principal agent shall prepare the final account in cons issue the final account, to the contractor within sixty (60) practical completion Ref Clause 6.7 [CD] – Clause 26.12</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R
28	<p><u>RECOVERY OF EXPENSE AND/OR LOSS</u></p> <p>Clause 27.0</p> <p>Replace Clause 27.1.2 with the following:</p> <p>Interest due to late payment only</p> <p>Replace Clause 27.1.4 with the following:</p> <p>Interest due to late payment only</p> <p>27.1.5 No Clause</p> <p>Replace Clause 27.5 with the following: Where the employer decides to recover an amount due in guarantee, cash deposit or retention money held as security written demand to the contractor before recovering the amount paid to the employer within fourteen (14) calendar days of the employer may recover such an amount from the security</p> <p>Add the following as Clause 27.6:</p> <p>Where a provisional sequestration or provisional liquidation order has been granted which commences sequestration, receivership, winding-up or any similar effect, against the contractor, the employer may issue a demand for the cancelled in terms of 29, the employer may issue a demand for the construction guarantee or advance payment guarantee held</p> <p>F:.....</p> <p>V:.....</p> <p>T:.....</p> <p><u>SUSPENSION AND TERMINATION</u></p>	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
	<p><u>SUSPENSION BY THE CONTRACTOR</u></p>		
29	<p>Clause 28.0</p> <p>28 No Clause 28.1 No Clause 28.1.1 No Clause 28.1.2 No Clause 28.1.3 No Clause 28.1.4 No Clause 28.1.5 No Clause 28.2 No Clause 28.3 No Clause 28.4 No Clause</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>TERMINATI ON</u></p>		
30	<p>Clause 29.0</p> <p>Add the following as Clause 29.1.4: The contractor's estate has been sequestrated, liquidated insolvency laws in force within the Republic of South Africa</p> <p>Add the following as Clause 29.1.5: The contractor has engaged in corrupt or fraudulent practice the contract</p> <p>Add the following as Clause 29.1.6: Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.</p> <p>Replace Clause 29.7 with the following: The employer, on notice to the contractor, may recover damages from the date of termination including, but not limited to, additional consultant cost, rental of alternative accommodation, invitation of officials and safeguarding the site, of the remaining work</p> <p>Replace Clause 29.9 with the following: The employer has the right of recovery against the contractor The guarantee for construction (variable) until the final payment or The guarantee for construction (fixed) until the date of practical completion; or</p>		
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
31	<p><u>DISPUTE RESOLUTION</u></p> <p>Clause 30.0</p> <p>Replace Clause 30.2 with the following:</p> <p>Where such disagreement is not resolved within ten (10) notice it shall be deemed to be a dispute and shall be subr method of dispute resolution failing which the parties will</p> <p>30.3 to 30.7.7 No Clauses</p> <p>Replace Clause 30.8 with the following: The parties may, by agreement and at any time before Litig in which event:</p> <p>30.8.1 No Clause</p> <p>Replace Clause 30.8.2 with the following: The appointment of a mediator, the procedure, and the sta between the parties</p> <p>Replace Clause 30.8.3 with the following: Regardless of the outcome of a mediation the parties shall the Mediation and equally share the costs of the mediator</p> <p>Replace Clause 30.9 with the following: Institution of Litigation shall be commenced and process date of existence of the dispute, failing which the dispute</p> <p>30.10 No Clause</p> <p>30.12 No Clause</p> <p>F:..... V:..... T:.....</p> <p><u>SECTION B: GENERAL PRELIMINARIES</u></p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
	<u>DEFINITIONS AND INTERPRETATION</u>		
32	Definitions F:..... V:..... T:.....	Item	
33	Interpretation F:..... V:..... T:.....	Item	
	<u>DOCUMENTS</u>		
34	Checking of documents F:..... V:..... T:.....	Item	
35	Provisional bills of quantities F:..... V:..... T:.....	Item	
36	Availability of construction information F:..... V:..... T:.....	Item	
	<u>PROVISIONAL SUM</u>		
37	Ordering of materials and goods F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
	<u>PREVIOUS WORK AND ADJOINING PROPERTIES</u>		
38	Previous work - dimensional accuracy F:..... V:..... T:.....	Item	
39	Previous work - defects F:..... V:..... T:.....	Item	
40	Inspection of adjoining properties F:..... V:..... T:.....	Item	
	<u>THE SITE</u>		
41	Handover of site in stages F:..... V:..... T:.....	Item	
42	Enclosure of the works F:..... V:..... T:.....	Item	
43	Geotechnical and other investigations F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward			R
44	Encroachments			
	F:..... V:..... T:.....		Item	
45	Existing premises occupied			
	F:..... V:..... T:.....		Item	
46	Services - known			
	F:..... V:..... T:.....		Item	
	<u>MANAGEMENT OF CONTRACT</u>			
47	Management of the works			
	F:..... V:..... T:.....		Item	
48	Progress meetings			
	F:..... V:..... T:.....		Item	
49	Technical meetings			
	F:..... V:..... T:.....		Item	
	Carried Forward			R
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R
	<u>SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS</u>		
50	Samples of materials F:..... V:..... T:.....	Item	
51	Workmanship samples F:..... V:..... T:.....	Item	
52	Shop drawings F:..... V:..... T:.....	Item	
53	Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
	<u>DEPOSITS AND FEES</u>		
54	Deposits and fees F:..... V:..... T:.....	Item	
	<u>TEMPORARY SERVICES</u>		
55	Water F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
	<p><u>General attendance</u></p>		
60	<p>The contractor shall at his own expense provide the follow subcontractors:</p> <p>Access to the site and places where the subcontract work reasonable use of any temporary personnel hoists erected</p> <p>The provision of water and lighting and single phase elect metres of the place where the subcontract work is to be ca and power for commissioning of any installation</p> <p>The provision of an area for the subcontractor to establish and workshops and for the storage of plant and materials</p> <p>The use of erected scaffolding belonging to the contractor like right, while it remains erected on the site</p> <p>The use, at reasonable times by arrangement of the contr:</p> <p>F:..... V:..... T:.....</p>	Item	
61	<p>Special attendance</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
	<p><u>GENERA</u></p> <p><u>L</u></p>		
62	<p>Protection of the works</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
63	<p>Protection/isolation of existing works and works occup sections</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward		R
64	Security of the works F:..... V:..... T:.....	Item	
65	Notice before covering work F:..... V:..... T:.....	Item	
	<u>Disturbance</u>		
66	The contractor shall keep the site , structures, etc well wa dust and shall provide and erect and remove on completion temporary dust screens all to the satisfaction of the princip F:..... V:..... T:.....	Item	
67	Environmental disturbance F:..... V:..... T:.....	Item	
68	Works cleaning and clearing F:..... V:..... T:.....	Item	
69	Vermin F:..... V:..... T:.....	Item	
70	Overhand work F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward			R
71	Tenant installations F:..... V:..... T:.....	Item		
72	Advertising F:..... V:..... T:.....	Item		
	<u>SECTION C: SPECIFIC PRELIMINARIES</u> Section C contains specific preliminary items which apply (Not Applicable) appears against an item <u>CONTRACT DRAWINGS</u> * A full set of drawings is issued with the tender documents work to enable the tenderer to acquaint himself with the na the manner in which they are to be executed Should any part of the drawings not be clearly understood submitting his tender, obtain clarification in writing from the F:..... V:..... T:.....	Item		
	Carried Forward			R
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R
	<p><u>PREAMBLE</u> <u>S</u></p>		
74	<p>The document “Construction Works: Specifications: General Edition 2.1” is obtainable on the Department’s website (http://www.ditsobotla.gov.za “Consultants Guidelines”), and shall be read in conjunction with the lump sum document and be referred to for the full descriptions to be used</p> <p>The document “Construction Works: Specifications: Particular Edition 2.2” is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities / lump sum document</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>TRADE NAMES</u></p>		
75	<p>Wherever a trade name for any product has been described in the lump sum document, the tenderer’s attention is drawn to the fact that the quality may be used subject to the written approval of the tenderer prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, it shall be deemed to have been tendered for</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>IMPORTED MATERIALS AND EQUIPMENT</u></p>		
76	<p>Where imported items are listed in the tender documents, the tenderer shall provide information called for, failing which the price of any such item shall be excluded from currency fluctuations. (refer to Schedule of DPW-23(EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the price of any item, material or equipment listed in terms of the Contract Price Adjustment Provisions (if applicable)</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
	<p><u>VIEWING THE SITE IN SECURITY AREAS</u></p>		
77	<p>The site is situated in a security area and the tenderer must obtain permission to enter the site from the site manager or other responsible officer to obtain permission to enter the site</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>COMMENCEMENT OF WORKS IN SECURITY AREAS</u></p>		
78	<p>As the works falls within a security area the contractor must give the site manager or other responsible officer notice before commencement of works. In the event of failure to make such arrangements, admission to the site may be refused and any costs incurred will be for the contractor's account</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>ENTRANCE PERMITS TO SECURITY AREAS</u></p>		
79	<p>As the works falls within a security area the contractor shall ensure that all personnel and workmen entering the area and shall comply with all instructions which may be issued from time to time regarding access to the property under the control of the Defence Force, Police or other security forces</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>SECURITY CHECK OF PERSONNEL</u></p>		
80	<p>The principal agent may require the contractor to have a list of all personnel who will be working on the works, security classified</p> <p>In the event of the principal agent requesting the removal of any personnel from the works for security reasons, the contractor shall do so forthwith and ensure that such person or persons are denied access to the works and any documents or information relating to the works</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
81	<p><u>PROHIBITION ON TAKING OF PHOTOGRAPHS</u></p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited for any person in possession of a camera or other apparatus used for taking photographs of any military site or installation or any building or other structure or any land or other property authorized thereto by or on behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions or other places of detention of the Correctional Services Act 8 of 1959</p> <p>F:..... V:..... T:.....</p> <p><u>HIV/AIDS AWARENESS</u></p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Awareness Section of the bills of quantities / lump sum document. Particular awareness is made under items C10.1 to C10.5 hereafter all requirements of the aforementioned specification are detailed in the said items represent the only method of measurement for the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Awareness is compulsory. In the event of partial or total non-compliance, notwithstanding the provisions of Clause A 25.0 of Section 25, the contractor reserves the right to delay issuing any progress certificate until the contractor provides satisfactory proof of compliance. The contractor shall be responsible for any compensation of whatsoever nature, including interest</p> <p><u>AWARENESS CHAMPION</u></p> <p>Selection, appointment, briefing and making available of a champion for the provision of all relevant services, all in accordance with the</p> <p>F:..... V:..... T:.....</p>	Item	
82	<p><u>AWARENESS CHAMPION</u></p> <p>Selection, appointment, briefing and making available of a champion for the provision of all relevant services, all in accordance with the</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

	Brought Forward		R
	<u>AWARENESS WORKSHOPS</u>		
83	Selection and appointment of a competent Service Provider provision of a Service Provider Workshop Plan and a suitable awareness workshops by means of traditional and/or mode including follow-up courses, making available all tuition materials, procedures, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	
	<u>POSTERS, BOOKLETS, VIDEOS, ETC.</u>		
84	Provision, displaying, maintaining and replacing when necessary posters, booklets and educational videos, etc. for the duration in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	
	<u>ACCESS TO CONDOMS</u>		
85	Provision and maintenance of condom dispensers fixed in public places, replenishing male and female condoms on a daily basis of the construction period , all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	
	<u>MONITORING</u>		
86	Monitoring HIV/AIDS awareness of workers, providing the information including making available all reports, thorough correct information, for the duration of the construction period in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
	<p><u>OCCUPATIONAL HEALTH AND SAFETY ACT</u></p>		
87	<p>The contractor shall comply with all the requirements as Regulations, 2014 issued under the Occupational Health 1993)</p> <p>It is required of the contractor to thoroughly study the Hea must be read together with and is deemed to be incorporat of quantities / lump sum document</p> <p>The contractor must take note that compliance with the O Construction Regulations and Health and Safety Specificat partial or total non-compliance, the principal agent, notwit A25.0 of Section A or any other clause to the contrary, res progress payment certificate until the contractor provide The contractor shall not be entitled to any compensation interest, due to such delay of payment</p> <p>Provision for pricing of the Occupational Health and Safety Health and Safety Specification is made under this clause all requirements of the aforementioned are deemed to be claims in this regard shall be entertained</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

Brought Forward

R

**EMPLOYMENT AND TRAINING OF YOUTH WORKERS
WORKS PROGRAMME (EPWP) INFRASTRUCTURE PR
SERVICE (NYS)**

88 The **contractor** shall comply with all the requirements as Specification SL: Employment and Training of Youth Work Programme (EPWP) Infrastructure Projects: National Youth these **bills of quantities** / lump sum document

The **contractor** shall identify a minimum number of youth shall employ them at the statutory labour rates for a minimum per the aforementioned specification and as elsewhere mentioned / lump sum document

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

The **contractor** shall avail the services of an adequately EPWP-NYS youth workers, to act as their construction supervisor responsible for continually monitoring the progress of the questions and issues that may arise from the youth workers

Separate items which will be subject to remeasurement have these **bills of quantities** / lump sum document to cover the employment and training of the youth workers. Any additional aforementioned specification are deemed to be priced here this regard shall be entertained

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

Item

Carried Forward

R

Section No. 1
Bill No. 1
PRELIMINARIES

	Brought Forward		R
	<p><u>IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTR</u> <u>THE EXPANDED PUBLIC WORKS PROGRAMME (EPW</u></p>		
89	<p>The contractor shall comply with all the requirements of Employment and Conditions of Work for Special Public Work of the “Basic Conditions of Employment Act, 1997 (Act No “Ministerial Determination”, for the employment of locally labour-intensive infrastructure project under the Expanded</p> <p>The contractor shall maintain daily records with regard to on a monthly basis, submit a report to the principal agent Compulsory indicators such as the project budget, actual opportunities created, demographic characteristics of work rate, number of person-days of employment created and shall be included in said report, all as defined in the “Guide Labour-Intensive Infrastructure Projects under the Expanded (EPWP)”</p> <p>Provision for pricing of compliance with the aforementioned explicitly pointed out that all requirements in respect of the priced hereunder and no additional claims in this regard shall</p> <p>F:..... V:..... T:.....</p>	Item	
	<p><u>COMMUNITY LIAISON OFFICER</u></p>		
90	<p>Allow the provisional sum of R90,000.00 (Ninety Thousand Rand) for Community Liaison Officer to be appointed by the Main Contractor @ R7,500.00 (Seven Thousand Five Hundred Rand) per month fixed</p>	Item	90,000.00
91	<p>Add for profit</p>	Item	
92	<p>Add for attendance</p>	Item	
	Carried to Final Summary		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p> <p><u>DEMOLITIONS</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>View site</u></p> <p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent</p>			
	Carried Forward		R
Section No. 2 Bill No. 1 DEMOLITIONS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site			
<u>DEMOLITIONS, ETC.</u>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>			
1	Concrete floor slab	m3	45
<u>Breaking down and removing brickwork including finishes etc. (in accordance with Engineers instruction)</u>			
2	Half brick walls in foundations	m2	16
3	One brick walls in foundations	m2	47
4	Half brick walls in superstructure	m2	45
5	One brick walls in superstructure	m2	333
<u>Removal of existing soil material and addition on new material</u>			
6	Removal of existing fill material	m	1,500
<u>Taking down and removing roofs, floors, ceilings, partitions, etc and cart away unless otherwise described.</u>			
7	Corrugated iron roof covering and purlins	m2	300
8	Timber double pitch roof construction complete including bracing, etc.	m2	45
<u>Breaking up and removing</u>			
9	Excavate, expose and remove 110mm diameter sewer pipes, disinfect and backfill with G7 filling and compact in layers to 96% Mod AASHTO density	m	50
10	Demolish manhole not excluding 1.5m deep, disinfect and backfill with G7 filling and compaction in layers to 96% Mod AASHTO density	No	1
Carried Forward			R
Section No. 2 Bill No. 1 DEMOLITIONS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>Demolishing and removing</u>		
11	Single storey ablution building with pitched roof approximately 37m ² on plan and 3.8 high at eaves comprising concrete surface bed, brick external walls, brick internal walls and corrugated iron roof covering on timber trusses including grabbing up and removing foundations	No 1
12	Single storey building with pitched roof approximately 253m ² on plan and 3.8 high at eaves comprising concrete surface bed, brick external walls, brick internal walls and corrugated iron roof covering on timber trusses including grabbing up and removing foundations	No 1
<u>REMOVAL OF TREES ETC.</u>		
<u>Cutting down and removing, grubbing up roots, filling in holes and compacting to 98% Mod AASHTO density</u>		
13	Tree exceeding 2500mm and not exceeding 3000mm girth	No 2
<u>FILLING ETC</u>		
<u>Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>		
14	Over site to form platforms	m3 1,500
Carried Forward to Summary of Section No. 2		R
Section No. 2		
Bill No. 1		
DEMOLITIONS		

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Carting away of excavated material</u></p> <p>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</p> <p><u>Filling and layer work materials</u></p> <p>References such as "G1", "G2", etc and "C1", "C2", etc in descriptions of filling and layer work materials refer to corresponding references in the document "Guidelines for Road Construction Materials. TRH 14 : 1985" compiled by the Committee of State Road Authorities and the properties set out therein for each kind shall be applicable to the respective materials described hereinafter</p> <p><u>Testing</u></p> <p><i>Prices for filling are to include for all necessary density and other tests</i></p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 2 EARTHWORKS (PROVISIONAL)</p>			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>SITE CLEARANCE</u>			
<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m2	3,500
<u>BULK EXCAVATION, FILLING, ETC</u>			
<u>Open face excavation in earth over sloping site</u>			
2	Open face excavation to form platforms under roadways etc and depositing excavated material over site, including haulage not exceeding 10m from perimeter of excavations	m3	350
<u>Extra over bulk excavation in earth for excavation in</u>			
3	Soft rock	m3	100
4	Hard rock	m3	20
<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	350
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>EXCAVATIONS ETC</u>			
<u>Digging up topsoil</u>			
6	Digging up topsoil to an average depth of 75mm and preserving for use of filling	m2	2,622
<u>Excavation in earth not exceeding 2m deep</u>			
7	Trenches	m3	650
8	Holes	m3	54
9	200 Square holes for post	m3	76
Carried Forward			R
Section No. 2 Bill No. 2 EARTHWORKS (PROVISIONAL)			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Excavation in earth not exceeding 2m deep below reduced level</u>		
10	To reduce levels under floors etc	m3	265
	<u>Extra over trench and hole excavations in earth for excavation in</u>		
11	Soft rock	m3	51
12	Hard rock	m3	1
	<u>Extra over all excavations for carting away</u>		
13	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	180
	<u>Risk of collapse of excavations</u>		
14	Sides of trench and hole excavations not exceeding 1,5m deep	m2	951
	<u>Keeping excavations free of water</u>		
15	Keeping excavations free of all water other than subterranean water		Item
	<u>FILLING ETC</u>		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>		
16	Under floors, steps, pavings, etc	m3	53
17	Backfilling to trenches, holes, etc	m3	281
	<u>Filling of coarse river sand supplied by the contractor, consolidated</u>		
18	Under floors etc	m3	95
	<u>Filling of hardcore, consolidated</u>		
19	Under floors etc	m3	53
	Carried Forward		R
	Section No. 2 Bill No. 2 EARTHWORKS (PROVISIONAL)		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Earth filling supplied by the contractor, compacted to 93% Mod AASHTO density</u>		
20	G5 Material in backfilling to trenches, holes, etc.	m3	163
21	G5 Material under floors, steps, pavings, etc.	m3	150
22	G6 Material under floors, steps, pavings, etc.	m3	10
	<u>Compaction of ground surfaces</u>		
23	Compaction of natural or excavated ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	351
	<u>WEED KILLERS, INSECTICIDES, ETC</u>		
	<u>Soil insecticide in accordance with SANS 5859</u>		
24	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	510
25	To bottoms and sides of trenches etc	m2	152
	<u>TESTS</u>		
	<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>		
26	"Modified AASHTO Density" test	No	5
	Carried Forward to Summary of Section No. 2		R
	Section No. 2		
	Bill No. 2		
	EARTHWORKS (PROVISIONAL)		

Item No	Quantity	Rate	Amount
<p><u>BILL NO 4</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</p> <p><u>Breeze concrete</u></p> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p>			
<p>Carried Forward</p> <p>Section No. 2 Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT</p>		R	

	Brought Forward				R
	<p><u>Lightweight concrete</u></p> <p>Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</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>Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p> <p>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"</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>10MPa/19mm Concrete</u></p>				
1	Surface blinding under footings and bases	m3	6		
	Carried Forward				R
	<p>Section No. 2 Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT</p>				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30MPa/19mm Concrete</u>			
2	Strip footings	m3	136
3	Bases	m3	8
4	Surface beds cast in panels on waterproofing	m3	50
5	Slabs	m3	25
6	Brick piers	m3	5
7	Ramps	m3	1
8	Steps, urinal steps, cupboard platforms, etc	m3	1
<u>TEST CUBES</u>			
9	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	15
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
10	Surface beds, slabs, etc to falls	m2	510
<u>10MPa non-shrink grout</u>			
11	Bedding approximately 20mm thick under 200 x 200mm base plate	No	12
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
<u>Rough formwork to sides</u>			
12	Bases (Provisional)	m2	22
13	Steps	m2	5
Carried Forward			R
Section No. 2			
Bill No. 3			
CONCRETE, FORMWORK AND REINFORCEMENT			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Smooth formwork to sides</u>			
14	Edges, risers, ends and reveals exceeding 300mm high or wide	m2	38
<u>Smooth formwork to soffits</u>			
15	Slabs not exceeding 250mm thick propped up not exceeding 3.50m high	m2	24
<u>MOVEMENT JOINTS ETC</u>			
<u>Two layers of 500 micron Brickgrips as "slip joints between horizontal concrete and brick surfaces including cement mortar bed</u>			
16	Not exceeding 300mm wide	m	81
<u>Expansion joints with "Jointex" between vertical concrete surfaces</u>			
17	10mm not exceeding 300mm high to edges of surface beds	m	25
<u>Saw-cut joints</u>			
18	6 x 40mm Saw cut joints in top of concrete	m	85
<u>Vertical toggle construction joints through concrete including thick cement slurry to one face</u>			
19	Surface beds not exceeding 300mmm thick	m	97
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Mild steel reinforcement to structural concrete work</u>			
20	Bars of varying diameter	t	2.55
<u>High tensile steel reinforcement to structural concrete work</u>			
21	Bars of varying diameter	t	11.40
Carried Forward			R
Section No. 2			
Bill No. 3			
CONCRETE, FORMWORK AND REINFORCEMENT			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward			R
	<u>Fabric reinforcement</u>			
22	Ref 245 mesh reinforcement in concrete surface beds	m2	35	
23	Ref 193 mesh reinforcement	m2	510	
24	Ref 311 mesh reinforcement	m2	35	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 3				
CONCRETE, FORMWORK AND REINFORCEMENT				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No	Quantity	Rate	Amount
<p><u>BILL NO 5</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Bagged and sealed walls</u></p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>			
	Carried Forward		R
Section No. 2 Bill No. 4 MASONRY			

<p style="text-align: center;">Brought Forward</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BLOCKWORK</u></p> <p><u>Concrete masonry units</u></p> <p>Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7MPa</p> <p><u>Wall ties for blockwork</u></p> <p>Wall ties shall be polypropylene ties complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other</p> <p><u>Blockwork</u></p> <p>Blockwork shall comply with SANS 10145 "Concrete Masonry Construction"</p> <p>Surfaces to be plastered shall have joints raked out to a depth of at least 10mm to provide a key. Cavities of hollow walls shall be kept free of mortar droppings or other undesirable matter. Every second perpend of the bottom course of the external skin of hollow walls shall be left open as a weep hole</p> <p><u>Standard complementary blocks</u></p> <p>Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary</p>	R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 4 MASONRY</p>	R	

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>DECORATIVE BLOCKS</u>			
Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour			
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>			
1	Half brick walls	m2	101
2	Half brick linings tied to steel column	m2	27
3	One brick walls	m2	307
<u>2,5mm Brickwork reinforcement</u>			
4	75mm Wide reinforcement built in horizontally	m	1,355
5	150mm Wide reinforcement built in horizontally	m	3,607
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
6	Half brick walls	m2	215
7	Half brick linings tied to steel column	m2	56
8	One brick walls	m2	488
<u>BRICKWORK SUNDRIES</u>			
<u>2,5mm Brickwork reinforcement</u>			
9	75mm Wide reinforcement built in horizontally	m	1,065
10	150mm Wide reinforcement built in horizontally	m	1,913
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>			
11	110 x 75mm Lintels in lengths not exceeding 3m	m	3
Carried Forward			R
Section No. 2 Bill No. 4 MASONRY			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
12	220 x 75mm Lintels in lengths not exceeding 3m	m	23
	<u>Fair face and bagging of 1: 3 cement and sand mixture</u>		
13	On brick surfaces in ducts	m2	96
	<u>Joint forming material in movement joints</u>		
14	12mm Bitumen impregnated fibre board built in vertically between brick skins not exceeding 300mm wide	m2	24
	<u>Air bricks etc</u>		
15	229 x 152mm Clay vermin proof air brick	No	40
	<u>FACE BRICKWORK</u>		
	<u>Face bricks pointed with recessed horizontal and vertical joints</u>		
16	Extra over brickwork in NFP bricks for face brickwork	m2	35
	<u>Brick-on-edge header course, copings, sills, etc of face bricks, pointed with recessed joints on all exposed faces</u>		
17	220mm Wide cills set sloping and slightly projecting externally	m	39
	<u>DECORATIVE SCREEN WALLS AND GRILLES</u>		
	<u>Screen walls of stone cladding bedded and jointed in class II mortar, with continuous joints in both directions and pointed with flush horizontal and vertical joints</u>		
18	110mm Walls pointed on both sides	m2	57
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 4			
MASONRY			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 6</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<u>Waterproofing</u>			
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u>			
1	In walls	m2	0.4	
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>			
2	Under surface beds	m2	351	
3	Vertically in walls	m2	22	
	Carried Forward			R
	Section No. 2 Bill No. 5 WATERPROOFING			

Brought Forward			R
<u>WATERPROOFING TO ROOFS ETC</u>			
<u>Apply "ABE super laycrl" or other similar and approved waterproofing system all in accordance with manufacturers instructions</u>			
4	Flashing strip 150mm girth at flashings and terminations	m	30
<u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC</u>			
<u>Two part polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u>			
5	6 x 40mm In saw cut joints in floors	m	85
6	10 x 10mm In vertical expansion joints including raking out expansion joint filler as necessary	m	46
7	16 x 20mm In horizontal slip joints between concrete and brickwork externally	m	81
<u>SILICONE POINTING</u>			
<u>Silicone pointing</u>			
8	Around timber/aluminium door and window frames externally	m	113
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
WATERPROOFING			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 7</u></p> <p><u>ROOF COVERINGS, CLADDINGS, ETC</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p>Ribbed Roofing Sheets:</p> <p>The sheeting shall be fitted in accordance with the manufacturer's recommendations with the side laps on the leeward side of the prevailing wind direction. All fixing holes shall be drilled and not punched.</p> <p>Cutting of sheets:</p> <p>All necessary cutting to sheets shall be properly performed and all exposed cut edges shall be perfectly straight and treated to match roof finish.</p> <p><u>"Macsteel Roofing 0.53mm thick Novotexi 440(R) profile 440mm cover ZINCALUME AZ150 spelter G550" Dove Grey or other similar and approved roof sheeting in single lengths fixed to starter bar and to each intermediate purlin with concealed fixing clips secure to steel purlins at not exceeding 1860mm centres and to eaves and ridge purlins at 1200mm centres, in strict accordance with the manufacturer's specifications</u></p>			
1	Roof covering with pitches not exceeding 25 degrees	m2	434	
	Carried Forward			R
	<p>Section No. 2 Bill No. 6 ROOF COVERINGS, CLADDINGS, ETC</p>			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
2	Side cladding	m2	96
3	Cover flashings 462mm girth	m	19
4	Side wall flashing 298mm girth	m	33
5	Counter flashing to headwall flashing 185mm girth	m	19
6	Head wall flashing 308mm girth	m	19
7	Barge flashing 550mm girth	m	160
8	Cap flashing	m	165
9	Raking cutting to roof sheeting (both sides measured)	m	110
<u>ROOF AND WALL INSULATION</u>			
<u>25mm Lambda Board rigid extruded polystyrene closed cell insulation board fixed concurrent with roof covering with butt joints over purlins</u>			
10	Insulation laid taut over rafters (at approximately 600mm centres) and fixed concurrent with purlins, etc	m2	434
<u>100mm Thick "Sonowool" or other similar and approved 65kg/m3 batts fixed under roofing in two 50mm layers over and including straining wire spaced 400mm apart 95mm below top of purlins to form a 300mm square grid including drilling purlins as necessary</u>			
11	Insulation under roofing	m2	434
<u>Supply, deliver and install Isoboard high density 32-36kg/m rigid extruded polystyrene 100% closed cell insulation boards 100mm thick x 500mm wide with brown paper and polyethylene laminate slip sheet factory applied to upper surface, with tongue & groove joints fixed concurrent with roof covering over steel purlins at maximum 1500mm centres with 5mm gap between boards butt-jointed over purlins.</u>			
12	Insulation fixed to steel sheeting	m2	434
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
ROOF COVERINGS, CLADDINGS, ETC			

Item No	Quantity	Rate	Amount
<p><u>BILL NO 8</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 Bill No. 7 CARPENTRY AND JOINERY</p>			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>TIMBER DOORS, WINDOWS, ETC</u>		
<u>DOORS ETC</u>		
<u>Fire doors</u>		
<u>Class D fire door 44mm thick with commercial veneer and hardwood edging with a 2-hour rating for stability, integrity and insulation, fire-resistant core that can withstand an impact test with a mass of 27kg without creating an opening wider than 25mm between the door and the frame</u>		
1	Double door size 1500 x 2125 with rebated meeting stiles (D1) No	5
<u>Solid core flush doors with 10mm tempered hardboard both sides and two hardwood finger jointed stiles</u>		
2	40mm Door size 750 x 2125mm high (D6) No	9
<u>Hollow core flush doors with commercial veneer</u>		
3	40mm Door size 850 x 2125mm high (D5) No	9
<u>Exterior Quality solid core flush doors with 10mm tempered headboard coverings both sides and two hardwood finger jointed stiles</u>		
4	40 x 850 x 2125mm Moulded door with four recessed panels including mouldings (D2) No	3
<u>NOTICEBOARDS, KEYBOARDS, DUCKBOARDS, ETC</u>		
<u>Pinning boards</u>		
5	2 000 x 1 200mm High cork surface pinning boards with aluminium frame No	2
<u>FITTINGS</u>		
Carried Forward		R
Section No. 2 Bill No. 7 CARPENTRY AND JOINERY		

	Brought Forward			R
<u>CUPBOARDS TO KITCHENS, BEDROOMS, ETC</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>General</u>				
<p>The following cupboard fittings are given as complete units i.e. the components of the units have not been given separately. Descriptions of such units shall, therefore, be deemed to include all components, assembling, housing, notching, glueing, blocking, planting-on and screwing with countersunk screws, edge strips, thermosetting plastic laminate, glass, ironmongery, metalwork, paint or varnish finishes, etc</p> <p>Prices are to include for all necessary filler pieces against walls etc</p>				
<u>References</u>				
References given in descriptions refer to the respective types of fittings detailed on the architect's drawing(s) annexed to these bills of quantities for tender purposes				
<p><u>"PG Bison" or similar other and approved Laminated in Melawood American Walnut done in Woodtex finish in accordance with SANS 1762: 1998 bonded under factory controlled conditions to a 16mm BisonBoard Particleboard substrate in accordance with SANS EN 312-3:1996</u></p> <p><u>PG Bison Formica Lifeseal Worktop in accordance with SABS ISO 4586: 1997, colour Tucana Gloss, 32mm x 600mm in double arised profile and cupboard doors and exposed sides: PG Bison Laminate in Verzasca Oak linear done in Woodtex finish in accordance with SANS 1762: 1998 bonded under factory controlled conditions to a 16mm BisonBoard Particle boardboard substrate in accordance with SANS EN 312-3:1996</u></p>				
7	Wall cupboard 3971 x 350 x 400mm high with top, sides, bottom, divisions, shelves, back and hinged doors	No	1	
Carried Forward				
R				
Section No. 2 Bill No. 7 CARPENTRY AND JOINERY				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward				R
8	Sink cupboard L-shaped on plan 5100 x 600 x 900mm high overall with top, sides, bottom, divisions, shelves, back and single hinged doors, dividing framework and drawers with cut out for sink 1235mm long x 435mm wide (sink elsewhere measured)	No	1		
	Carried Forward				R
	Section No. 2 Bill No. 7 CARPENTRY AND JOINERY				

Item No	Quantity	Rate	Amount
<p><u>BILL NO 9</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Bulkheads</u></p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</p>			
Carried Forward			R
<p>Section No. 2 Bill No. 8 CEILINGS, PARTITIONS AND ACCESS FLOORING</p>			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

<p style="text-align: right;">Brought Forward</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p>				R
Carried Forward				R
Section No. 2 Bill No. 8 CEILINGS, PARTITIONS AND ACCESS FLOORING				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>SUSPENDED CEILINGS</u>		
<u>SUPPLEMENTARY PREAMBLES</u>		
<u>Proprietary suspended ceilings</u>		
Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations		
<u>Flush plastered gypsum plasterboard jointed ceiling</u>		
<u>12,5mm thick Taper-edge fixed print side up and fixed with 25mm streaker screws at 150mm centres to steel brandering at 600mm centres in one direction, all fixed to purlins at centres exceeding 1000mm and not exceeding 1200mm, joints to be taped and finished with plaster, all in accordance with the Manufacturer's recommendations</u>		
Ceilings shall comprise 9,5mm gypsum plasterboard boards screwed to and including screw-up suspension grid consisting of main tees at 1 200mm centres and galvanised steel capped cross tees at 400mm centres and with tape fixed over joints and the whole finished with gypsum plaster trowelled to a smooth polished surface		
The grid shall be suspended by means of galvanised steel L-section hangers at suitable centres, securely shot-pinned or screwed to concrete, steel or wood		
1	Ceilings suspended not exceeding 1m below steel roof trusses	m2 351
2	Opening for 150mm diameter downlighter	No 160
3	Extra over for opening for fluorescent light fitting	No 6
<u>Satin white epoxy coated aluminium plaster trim 15 shadow line cornice, fixed to plastered brickwork with 5 x 25mm wall anchors at 450mm centres</u>		
4	Pre-painted cornices for flush plastered ceilings, plugged	m 435
Carried Forward to Summary of Section No. 2		R
Section No. 2		
Bill No. 8		
CEILINGS, PARTITIONS AND ACCESS FLOORING		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 10</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p> <p><u>HINGES, BOLTS, ETC</u></p> <p><u>Hinges, bolts, etc.</u></p>			
1	100 x 75mm Nylon insert brass butts with stainless steel washers	No	93	
2	1150mm Aluminium flush bolt, 150mm, natural anodised, with keep let into concrete	No	4	
	Carried Forward			R
	Section No. 2 Bill No. 9 IRONMONGERY			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
3	WC indicator bolt	No	10
<u>LOCKS</u>			
<u>Keys</u>			
Unless otherwise described locks shall have two keys each			
<u>"EN-SUITE" LOCKS</u>			
The following locks are to be suitable for master key operation			
The following locks are to be suitable for master and grand master key operation			
<u>Locks</u>			
4	Four-lever deadlock	No	15
5	Master key	No	2
6	Three point locking panic bar - double door - Door leaf 1500mm wide x 2125mm high	Sets	2.0
<u>HANDLES</u>			
<u>Handles</u>			
7	Pull Handle fixed on a 150 x 300x1.2mm thick Grade 430 stainless steel plate with no cylinder cut out. Stainless steel plate to have 6 countersunk holes for screw fixing.	No	2
<u>PUSH PLATES AND KICK PLATES</u>			
<u>1.6mm Thick anodised aluminium plates countersunk screwed along edges at not exceeding 200mm centres</u>			
8	150 x 345mm Push plate drilled and counter sunk screwed on in a manner to conceal bolts of pull handle	No	1
9	200 x 850mm Kick plate	No	1
Carried Forward			R
Section No. 2 Bill No. 9 IRONMONGERY			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward

R

Carried Forward

R

Section No. 2
Bill No. 9
IRONMONGERY

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>LETTERS, NAMEPLATES, ETC</u>		
<u>'Union' or other similar and approved</u>		
10	250 x 75 x 2.5mm sign with average 16 letters or numerals	6
11	150 x 150mm Perspex with "PARAPLEGIC" symbol	1
12	150 x 150mm Perspex with "MALE" symbol	2
13	150 x 150mm Perspex with "FEMALE" symbol	2
14	500 x 250mm Anodised aluminium plate with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol	5
<u>PHOTOLUMINESCENT SIGNS</u>		
<u>SUPPLEMENTARY PREAMBLES</u>		
Signs are to comply with SANS 1186-1 to 5 and to be to the approval of the local authority. Signs are to have anodised aluminium frames		
Prices are to include for fixing by approved methods. The use of double sided tape will not be permitted. Surface mounted signs are to be concealed fixed and ceiling mounted signs are to be hung with 2mm diameter stainless steel cables		
Single sided ceiling mounted signs are to have 2mm satin chrome anodised aluminium back panels		
Samples, specifications, literature, etc of materials and fabricated articles the tenderer proposes to use shall be submitted with the tender		
A ten year guarantee on materials and workmanship shall be submitted by the successful tenderer		
References at the end of the item descriptions are to the relative items on drawings annexed to these bills of quantities		
Carried Forward		R
Section No. 2 Bill No. 9 IRONMONGERY		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Wall mounted photo luminescent statutory signs in 150 x 150mm modules</u>			
15	150 x 150mm Sign with one pictogram	No	10
16	300 x 150mm Sign with two pictograms	No	5
17	300 x 150mm Sign with EXIT sign	No	8
<u>SUNDRIES</u>			
<u>Sundries</u>			
18	50mm Rubber door stop, plugged	No	33
19	Chromium plated coat hook	No	9
<u>Door mats</u>			
20	900 x 1600mm Squeegee door mat laid loose in mat surround	No	1
21	Anodised aluminium mat surround to suit 900 x 1600mm mat fixed in and including recess in concrete floor	No	1
<u>BATHROOM FITTINGS</u>			
<u>Bathroom fittings</u>			
22	144 x 301 x 138mm Stainless steel toilet roll holder surface satin finish and cylinder lock with standard key	No	10
23	Soap dispenser (color White) 184 x 110 x 264mm high	No	10
24	130 x 135 x 360mm Stainless steel paper towel dispenser plugged	No	5
25	360 x 170 x 460mm Stainless steel wall mounted waste container	No	5
26	32mm stainless steel back cistern grab rail 206 x 800mm long, plugged	No	1
27	32mm Stainless steel side grab rail 300 x 300 x 300mm, plugged	No	1
Carried Forward			R
Section No. 2 Bill No. 9 IRONMONGERY			

Item No		Quantity	Rate	Amount
	<u>BILL NO 11</u>			
	<u>STRUCTURAL STEELWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<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			
	<u>GALVANISED STEEL COLUMNS AND BEAMS</u>			
	<u>Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete</u>			
1	H-Columns size 203 x 203 x 46mm x 46.1kg/m	t	3.08	
2	Universal beam 254 x 146 x 43kg/m	t	2.56	
	<u>GALVANISED STEEL TRUSSES</u>			
	Carried Forward			R
	Section No. 2 Bill No. 10 STRUCTURAL STEELWORK			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Supply and fix structural steelwork for roof structure complete with welding, bolts, bolting etc. (approx 404m2 measured flat)</u>			
3	IPE 120 x 64 x 10.37kg/m	t	0.24
4	Rafters-IPE160 x 15.8kg/m	t	1.42
5	100 x 100 x 3mm Thick	t	3.50
6	125 x 75 x 20 x 2.5mm Thick lipped channel	t	0.98
7	Girders-chord and Side members size 200 x 75mm x 7.29kg/m	t	2.13
8	Girders-Vertical and Diagonal Members size 100 x 100 x 8mm x 12.2kg/m	t	1.45
9	Bracing- 100 x100 x 8mm x 12.3kg/m	t	1.38
10	Bracing- 90 x 90 x 6mm x 8,3kg/m	t	1.22
11	Bracing- 80 x 80 x 6mm x 7.34kg/m	t	1.30
12	Bracing- 70 x 70 x 6mm x 6.38kg/m	t	1.52
13	Bracing- 60 x 60 x 5mm x 4.57kg/m	t	1.60
14	Bracing- 50 x 50 x 4mm x 3.06kg/m	t	1.39
15	T-Bracket-125 x 75 x 10mm x15kg/m	t	1.21
16	Horizontal Cross Bracing-70 x 70 x 6mm x 6.38kg/m	t	1.63
17	16mm End plate 150mm wide x 250mm high with 6mm triangular stiffener plate 100 x 100mm at base, four times holed for M16 bolts 16mm End plate 150mm wide x 250mm high with 6mm triangular stiffener plate 100 x 100mm at base, four times holed for M16 bolts	No	12
18	Chemical Anchor-16mm	No	48
Carried Forward			R
Section No. 2 Bill No. 10 STRUCTURAL STEELWORK			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Transporting to site, offloading, site storage and erection of structural steelwork, complete</u>		
19	Structural steelwork for Roofing	t	31.37
	<u>PROTECTIVE COATING</u>		
	<u>Protective Coating</u>		
20	Painting steelwork	t	31.37
	<u>GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC</u>		
	<u>Purlins and girts, bolted to steel</u>		
21	Galvanised Purlins-150 x 65 x 20 x 2.5 CFLC	t	1.62
22	Sag angles-45 x 45 x 3mm x 2.13kg/m	t	0.34
	<u>BOLTS, FASTENERS, ETC</u>		
23	High strength friction grip bolts (class 10.9S)	t	0.05
	<u>CARPORT STEEL</u>		
24	76 x 76 x 3mm Hollow section	t	0.92
25	175 x 75 x 20 x 2.5mm Lipped channel	t	0.85
26	125 x 75 x 20 x 2.5mm Lipped channel	t	0.98
	Carried Forward to Summary of Section No. 2		R
	Section No. 2		
	Bill No. 10		
	STRUCTURAL STEELWORK		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No	Quantity	Rate	Amount
<p><u>BILL NO 12</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 Bill No. 11 METALWORK</p>			

<p style="text-align: center;">Brought Forward</p> <p><u>Aluminium doors, windows, etc</u></p> <p>Doors and windows shall comply with AAAMSA design criteria.</p> <p>Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities (as described in the headings to window descriptions). Glass thickness shall comply with SAGGA regulations irrespective of thickness shown on the schedules/drawings. Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed For purpose made windows and doors, refer to drawings annexed to be issued separately with these bills of quantities</p> <p>The following certificates shall be provided prior to commencement of site work: 1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product 2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively</p> <p>A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process 4A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked 5 A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years</p>	R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 11 METALWORK</p>	R	

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
The following certificates shall be provided prior to commencement of site work:		
1	A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product	
2	A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively	
3	A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process	
4	A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked	
5	A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years	
<u>GALVANISED STEEL GATES, SCREENS, ETC</u>		
<u>Welded screens and gates</u>		
1	Single security gate 800 x 2030mm high with and including locking mechanism	No 1
2	Single security gate 850 x 2030mm high with and including locking mechanism	No 1
3	Double security gate 2001 x 2100mm high with locking mechanism	No 1
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>		
Carried Forward		R
Section No. 2 Bill No. 11 METALWORK		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>1,2mm Rebated frames suitable for half brick walls</u>			
4	Frame for door 850 x 2125mm high	No	3
5	Frame for door 750 x 2125mm high	No	9
<u>1,2mm Double rebated frames suitable for one brick walls</u>			
6	Frame for door 850 x 2125mm high	No	9
7	Frame for double door 1500 x 2125mm high	No	2
<u>STEEL ROLLER SHUTTERS ETC</u>			
<u>Galvanised steel powder coated roller shutters with 76mm slats (18kg/m²), fixed to brickwork or concrete</u>			
8	Manual push-up slatted roller shutter for 4930 x 2605mm high opening	No	1
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>			
<u>Purpose made natural Anodised aluminium windows to specialists detail glazed with low E glazing and laminated safety glass in areas marked SG to NBR Regulations installed complete including ironmongery and mastic pointing all around both sides all in accordance with the Architects drawings</u>			
9	Window size 600 x 605mm high (W8)	No	11
10	Window size 600 x 945mm high (W2)	No	2
11	Window size 800 x 1500mm high (W3)	No	10
12	Window size 1270 x 1110mm high (W9)	No	2
13	Window size 1500 x 440mm high (W5)	No	2
14	Window size 3500 x 600mm high (W6)	No	4
15	Window size 3900 x 600mm high (W7)	No	4
Carried Forward			R
Section No. 2 Bill No. 11 METALWORK			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward			R
16	<p><u>Grade AA natural anodised aluminium side hung door in two leaves, one leaf fitted with and including two aluminium concealed lever action flush bolts and the other with lock and lever furniture of "Mazac Tarpon 4-lever lockset code "LA952/4L with chrome plated finish rebate conversion set 130-75 satin chrome lever flush bolt 120-150</u></p> <p>Standard door type 850 x 2125mm high (D2)</p>	No	3	
	<u>ALUMINIUM SHOPFRONTS AND WINDOWS</u>			
	<p>Note: Prices are to include for pointing all around shopfronts externally with silicone after building in</p> <p><u>Powder coated aluminium shopfronts and doors in accordance with AAAMSA Specifications glazed with and including 6,38mm HPR laminated safety glass, complete as per detailed drawing attached</u></p>			
17	<p>Shopfront size overall 5000 x 2465mm with and including ironmongery</p>	No	1	
	<u>ALUMINIUM LOUVRE UNITS</u>			
	<u>POWDER COATED HORIZONTAL ALUMINIUM LOUVRE UNITS</u>			
	<u>Fixed louvre units screwed into steel frames, etc.</u>			
18	<p>Integrated aluminium louvre screen with and including horizontal louvre blades fixed to steel canopy structure at entrance.</p>	m2	50	
	Carried Forward to Summary of Section No. 2			
	<p>Section No. 2 Bill No. 11 METALWORK</p>			
				R

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No	Quantity	Rate	Amount
<p><u>BILL NO 13</u></p> <p><u>PLASTERING</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>GRANOLITHIC</u></p> <p><u>Method</u></p> <p>The method to be used shall be either the monolithic method or the bonded method</p> <p><u>Preparation</u></p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic</p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 Bill No. 12 PLASTERING</p>			

<p style="text-align: center;">Brought Forward</p> <p><u>Mix</u></p> <p>Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic</p> <p><u>Panels</u></p> <p>Granolithic shall be laid in panels not exceeding 14m² for monolithic finishes, not exceeding 9,5m² for bonded finishes and not exceeding 6m² for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width</p> <p>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</p> <p><u>Laying</u></p> <p>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</p> <p>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels</p> <p>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated</p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 12 PLASTERING</p>				R

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Curing, seasoning and protection</u>			
Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying			
<u>Colour</u>			
Coloured granolithic shall be tinted with an approved colouring pigment mixed into the granolithic in the proportion of 10kg pigment per pocket of cement, of uniform appearance and consistent colour throughout			
<u>SCREEDS</u>			
<u>Screeds steel trowelled, on concrete</u>			
1	25mm Thick on floors and landings	m2	336
2	25mm Thick on treads and risers of stairs	m2	5
<u>INTERNAL PLASTER</u>			
<u>One coat cement plaster steel trowelled smooth on brickwork</u>			
3	On walls	m2	869
4	On narrow widths not exceeding 300mm wide	m2	90
<u>EXTERNAL PLASTER</u>			
<u>One coat cement plaster wood floated, on brickwork</u>			
5	On walls	m2	290
6	On narrow widths not exceeding 300mm wide	m2	15
<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
<u>Corner protectors, dividing strips, etc.</u>			
7	3 x 40mm Flat section brass dividing strips between different floor finishes	m	5
Carried Forward			R
Section No. 2 Bill No. 12 PLASTERING			

Brought Forward			R
<u>SELF LEVELLING EPOXY SCREED</u>			
<p><u>Providing, and finishing of homogeneous self levelling epoxy flooring of thickness minimum 4mm with master top 1200 of MBT degussa/ardex R70 P in approved color after, and including surface preparation by shot blasting with vaccine attachment etc. complete. The rate must be inclusive of carrying out cove up to 100mm high into the wall with solvent less epoxy incorporating very high abrasion resistant aggregates, and merged with wall levelling on end floor on the end as per manufacturer/architect</u></p>			
8	On floors	m2	336
<u>SKIRTINGS, NOSINGS, ETC</u>			
<u>Self levelling epoxy screed</u>			
9	100mm High coved skirtings	m	435
Carried Forward to Summary of Section No. 2			R
Section No. 2 Bill No. 12 PLASTERING			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No	Quantity	Rate	Amount
<p><u>BILL NO 14</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Patterns</u></p> <p>Unless otherwise described, tiles shall be laid with continuous joints in both directions</p> <p><u>Fixing</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles</p> <p><u>WALL TILING</u></p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 Bill No. 13 TILING</p>			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>200 x 200 x 5mm White glazed ceramic tiles fixed with adhesive to plaster (plaster elsewhere)</u>		
1	On walls in isolated panels, splashbacks, etc not exceeding 1m ²	m2	4
<u>FLOOR TILING</u>			
	<u>600 x 600 x 8mm Ceramic floor tiles (Color: Beige) fixed with adhesive and flush pointed with grey waterproof jointing compound including waste</u>		
2	On floors and landings	m2	336
3	On narrow widths not exceeding 300mm wide	m2	5
4	Circular cutting	m	3
5	Tiles to risers 170mm high	m	13
6	Bullnosed tiles on treads	m	10
7	75 x 22mm Skirting fixed to walls including polyurethane movement joint between skirting and adjacent floor tiles and with and including stainless steel quadrant trim in long lengths to top of tiles	m	760
8	75 x 22mm Skirting fixed to walls over treads and risers of stairs including polyurethane movement joint between skirting and adjacent floor tiles and with and including stainless steel quadrant trim	m	5
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
TILING			

Item No	Quantity	Rate	Amount
<p><u>BILL NO 15</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p> <p><u>Stormwater channels</u></p> <p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p> <p><u>French drains</u></p> <p>Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earth filling over and disposal of surplus material on site</p>			
	Carried Forward		R
<p>Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)</p>			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

<p style="text-align: center;">Brought Forward</p> <p><u>Septic tanks</u></p> <p>Descriptions of proprietary type septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions and disposal of surplus material on site</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0)</p> <p>Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)</p> <p>Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8)</p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p> <p><u>PVC-U pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)</p>				R

<p style="text-align: center;">Brought Forward</p> <p><u>PVC-U pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded PVC-U loose sockets and fittings</p> <p>Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be PVC-U and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><u>High density polyethylene (HDPE) pipes and fittings</u></p> <p>Pipes shall be type IV and of the class specified with compression fittings</p> <p><u>Polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings</p> <p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class described. 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 chromium plated type. Capillary solder fittings shall comply with ISO 2016</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p>	R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)</p>	R	

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p> <p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p> <p><u>POLYETHYLENE</u></p> <p><u>Polyethylene</u></p>		
1	10,000 Litre water tank on, and including plinth including taps, pipes, etc.	No	4
	<p><u>RAINWATER DISPOSAL</u></p> <p><u>Watertite Guttering commercial and industrial Square profile aluminium H3003h 14 seamless gutter, coated internally and externally with ColourTech G4 in colour Marble White with matching splash-plate including cut and mitred angles covered with a mitre externally, secured to metal roof sheets with 25 x 2.5mm L-Shaped and and 20 x 3mm dual-purpose brackets at 600mm centres using aluminium pop rivets, including expanded aluminium mesh leaf guard set over gutter, accessories sealed inside with Dow Coming 813 silicone sealer or similar and approved</u></p>		
2	200 x 200 x 0.60mm Thick roof gutters	m	173
Carried Forward			R
<p>Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)</p>			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
3	75mm Diameter rainwater pipes	m	75
4	Extra over gutter for stopped end	No	14
5	Extra over gutter for angle	No	2
6	Extra over gutter for outlet for 75mm pipe	No	26
7	Extra over rainwater pipe for bend	No	26
8	Extra over rainwater pipe for shoe	No	26
Carried Forward			R
Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>SANITARY FITTINGS</u>			
<u>Stainless steel</u>			
9	"Franke Curvline Model CVN621" or other similar and approved, Grade 304 18/10 polished stainless steel right hand inset sink (code:312210), size 1235 x 435mm wide with one 900 x 460 x 162mm deep bowl, fitted onto cupboard including 50mm waste fitting, and Cobra Watertech Stella 15mm wall mounted sink, CP pillar tap manufactured in accordance with SANS 226:2004 TYPE 2 (BS5412) and 22 x 40mm "cobra" no. 340CP bottle trap	No	1
<u>Wash Hand Basins</u>			
10	Lavatory basin, size 510 x 375mm in two tap hole configuration, bolted to wall with two 8mm wall bolts	No	10
11	Vitreous china close-couple suite (color:WHITE), comprising 90 degree outlet open rim pan with and including matching 9 litre front single flush cistern, lid and fitment and heavy duty double flap seat, including installation	No	9
12	Ceramic paraplegic low level washdown suite with matching 9 litre cistern complete with all fittings and chromium plated extended Paraplegic flush lever mounted on wall adjacent to cistern, including flush pipe and concealed bracket fittings, heavy duty double flap solid white plastic seat, etc.	No	1
13	Vitreous china wall mounted bowl urinal size 415 x 275 x 315mm complete with two semi-concealed hanger brackets, 38mm chromium plated domical grating, chromium plated spreader	No	4
<u>WASTE UNIONS ETC</u>			
<u>Chromium</u>			
14	32mm Chromium plated basin waste union with plug, chain, stay, flange and slotted shank (Basin with overflow)	No	10
15	40mm Chromium plated bath or sink waste union	No	1
Carried Forward			R
Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
<u>TRAPS ETC</u>				
16	40mm Chromium plated bottle trap	No	1	
17	50mm uPVC one-way vent valve	No	2	
18	50mm Rubber reseal "P" or "S" trap	No	10	
19	50mm Chromium plated urinal trap	No	4	
20	75mm Chromium plated hinged urinal domical grating	No	4	
<u>TAPS, VALVES, ETC</u>				
<u>Brass</u>				
21	15mm Isolating valve	No	11	
22	22mm Bibcock with hose union	No	1	
23	22mm Brass fullway gate valve	No	10	
24	22mm Brass non-return valve	No	5	
<u>Chromium plated</u>				
25	15mm Stopcock	No	5	
26	22mm Stopcock	No	6	
27	15mm Chromium plated angle regulating valve and flexible connection pipe	No	10	
28	15mm Chromium plated fullway isolating ball valve	No	5	
29	22mm Non-return valve	No	6	
30	15mm Chromium plated elbow action pillar tap	No	1	
31	15mm Chromium plated basin mixer with angle flow regulating valves	No	9	
32	15mm Chromium plated sink mixer	No	1	
Carried Forward				R
Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
33	54mm In-line strainer	No	2
34	22mm Pressure control valve with vacuum breaker	No	5
35	Concealed type toilet flush valve for back entry installation with chromium plated palm press push button and push rod, including flush pipes with elbow connector	No	9
36	Concealed type urinal flush valve with chromium plated palm press push button and push rod, including flush pipe complete	No	4
<u>SANITARY PLUMBING</u>			
<u>uPVC class 34 pipes with flexible joint</u>			
37	110mm Pipes laid in and including trenches not exceeding 1,5m deep	m	258
<u>Extra over uPVC pipes for fittings</u>			
38	110mm Bend (45 degree angle)	No	12
39	110mm Bend (45 degree angle) with inspection eye	No	10
40	110mm Bend (90 degree angle)	No	4
41	110mm Bend (90 degree angle) with inspection eye	No	5
42	110mm Junction (90 degree angle) with inspection eye	No	5
43	Rodding eye including pipe, concrete surround, junction and cast iron lid complete	No	15
<u>The following manholes size 600 x 600mm with cast iron cover and frame Type 2A, to be executed complete in accordance with the requirements of the Sewer Division of the Local Municipality standard details</u>			
44	Manhole average 1500mm deep to invert with 150mm channel including bends, etc	No	8
Carried Forward			R
Section No. 2			
Bill No. 14			
PLUMBING AND DRAINAGE (PROVISIONAL)			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
<u>PVC-U soil and vent pipes</u>				
45	50mm Pipes	m	22	
46	40mm Pipes	m	25	
47	110mm Pipes	m	73	
48	110mm Pipes under surface beds	m	25	
<u>Extra over PVC-U soil and vent pipes for fittings</u>				
49	50mm End cap	No	5	
50	50mm BSP adaptor	No	4	
51	50mm Reducer	No	10	
52	110mm Pan connector	No	10	
53	40mm Bend	No	10	
54	50mm Bend	No	8	
55	110mm Bend	No	10	
56	40mm Junction	No	10	
57	50mm Junction	No	5	
58	110mm Reducing junction	No	10	
59	110mm Double junction	No	2	
60	40mm Access bend	No	11	
61	50mm Access bend	No	11	
62	110mm Access bend	No	10	
63	40mm Access junction	No	8	
64	50mm Access junction	No	10	
Carried Forward				R
Section No. 2				
Bill No. 14				
PLUMBING AND DRAINAGE (PROVISIONAL)				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
65	110mm Access junction	No	5	
66	110mm Access reducing junction	No	4	
67	110mm Access double junction	No	5	
68	110mm Air vent cowl	No	2	
<u>Gulleys</u>				
69	Precast concrete standard dished gulley size 430 x 445 x 165mm high including 125mm diameter cast iron gulley head grate and uPVC gulley head with 100mm outlet and including standard gulley trap	No	1	
<u>Testing</u>				
70	Testing waste pipe system		Item	
<u>Sundries</u>				
71	Hole for 110mm pipe through pre-painted galvanised sheet metal roof sheeting including soaker sheet	No	2	
<u>WATER SUPPLIES</u>				
<u>Class 2 copper pipes with capillary couplings</u>				
72	15mm Pipes	m	173	
73	15mm Pipes including chase in wall	m	25	
74	22mm Pipes	m	135	
75	22mm Pipes chased into brickwork including brown paper lagging	m	62	
<u>Extra over Class 2 copper pipes for capillary fittings</u>				
76	15mm Fittings	No	41	
77	15mm Elbow	No	10	
78	15mm Tee	No	15	
Carried Forward				R
Section No. 2 Bill No. 14 PLUMBING AND DRAINAGE (PROVISIONAL)				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
79	15mm Threaded elbow	No	3
80	15mm Threaded union	No	7
81	22mm Fittings	No	24
82	22 x 22 x 15mm Reducing tee	No	4
	<u>Disinfecting</u>		
83	Disinfecting water pipe and tank system		Item
	<u>Municipal connection</u>		
84	Provide the sum of R5,000.00 (Five Thousand Rand) for municipal connection		Item
			5,000.00
85	Profit		Item
	<u>Testing</u>		
86	Testing water pipe system		Item
	<u>ELECTRIC WATER HEATERS</u>		
	<u>Water Heaters</u>		
87	"Kwikot Prisma" or similar approved point of use 30 litre electric thermostat regulated over sink water heater size 360 x 360 x 300mm with - or without stop cock and spout, fixed on mounting bracket plugged and screwed to wall. Electrical connection required (elsewhere measured)	No	1
88	450 Litre vertical electric water heater complete with all pressure relief and expansion relief valves, 22mm circulating pump etc. complete	No	1
	<u>FIRE APPLIANCES ETC</u>		
89	Hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket (PWD sample No. 86) mounted in and including red fibreglass box size 910mm wide x 1015mm high complete with hinged doors marked FIRE bolted to brick wall	No	1
	Carried Forward		R
	Section No. 2		
	Bill No. 14		
	PLUMBING AND DRAINAGE (PROVISIONAL)		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward			R
90	4.5kg DCP fire extinguisher complete with galvanised steel hook and 222 x 800 x 22mm hardwood backing board fixed to wall	No	12	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 14			
	PLUMBING AND DRAINAGE (PROVISIONAL)			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 16</u>			
	<u>GLAZING</u>			
	<u>Float glass</u>			
	The term "float glass" is used for monolithic annealed glass			
	<u>Laminated glass</u>			
	Laminated glass to have polyvinyl butyral (PVB) interlayer(s)			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Clear float glass</u>			
1	Panes exceeding 0,5m2 and not exceeding 2m2	m2	10	
2	Panes exceeding 2m2 and not exceeding 4m2	m2	1	
3	Panes exceeding 4m2 and not exceeding 6m2	m2	37	
	<u>4mm Clear float glass</u>			
4	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	1	
	<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
	<u>6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
5	Mirror 800 x 600 mm high with four screws	No	10	
6	Mirror 2000 x 600 mm high with 12 screws	No	4	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 15			
	GLAZING			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 17</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>PAINT SPECIFICATIONS</u></p> <p>All painting shall be done in accordance with the Architect's specifications unless otherwise described</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>ON INTERNAL FLOATED PLASTER SURFACES</u></p> <p><u>Prime with one coat of Professional Gypsum and Plaster Primer (PP 700) to achieve a continuous film allow 16 hours to dry (water based topcoat) and apply two full coats of Professional Superior Low Sheen (PEM 100/TLS) to achieve complete obliteration, allowing 2 hours drying between two coats</u></p>			
1	Walls	m2	959	
	<p><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></p>			
	Carried Forward			R
	Section No. 2 Bill No. 16 PAINTWORK			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Prime with two coat of Professional Gypsum and Plaster Primer (PP 700) to achieve a continuous film allow 16 hours to dry (water based topcoat) and apply two full coats of Professional Superior Low Sheen (PEM 100/TLS) to achieve complete obliteration, allowing 2 hours drying between two coats</u>		
2	Walls	m2	305
	<u>ON METAL SURFACES</u>		
	<u>Wire brushed, primed with zinc chromate, one universal undercoat and two coats high gloss enamel paint</u>		
3	Door frames	m2	21
	<u>ON WOOD SURFACES</u>		
	<u>Three coats superior quality polyurethane suede varnish</u>		
4	Doors	m2	36
5	Moulded panel doors	m2	43
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 16			
PAINTWORK			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Bill No	<u>SECTION SUMMARY - MAIN BUILDING - COMMUNITY HALL</u>	Page No	Amount
1	DEMOLITIONS	45	
2	EARTHWORKS (PROVISIONAL)	49	
3	CONCRETE, FORMWORK AND REINFORCEMENT	54	
4	MASONRY	58	
5	WATERPROOFING	60	
6	ROOF COVERINGS, CLADDINGS, ETC	62	
7	CARPENTRY AND JOINERY	68	
8	CEILINGS, PARTITIONS AND ACCESS FLOORING	71	
9	IRONMONGERY	77	
10	STRUCTURAL STEELWORK	80	
11	METALWORK	85	
12	PLASTERING	89	
13	TILING	91	
14	PLUMBING AND DRAINAGE (PROVISIONAL)	104	
15	GLAZING	105	
16	PAINTWORK	107	
	Carried to Final Summary		R
	Section No. 2		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 18</u>			
	<u>EXTERNAL WORKS</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	<u>SITE CLEARANCE</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m2	3,500	
	<u>MASS EXCAVATIONS</u>			
	<u>Excavate in earth not exceeding 2m deep below natural, elevated or reduced ground level for</u>			
2	Open face excavations in earth to reduced levels(300mm thick sub-base layer, 150mm thick base layer and 80mm thick paving block layer with it's 20mm sand layer)	m3	2,625	
	<u>Extra over all excavations for carting away</u>			
3	Surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m3	2,625	
	Carried Forward			R
	Section No. 3 Bill No. 1 ROADWORKS AND PAVINGS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Keeping excavations free of water</u>		
4	Keeping excavations free of all water other than subterranean water	Item	
	<u>FILLING ETC</u>		
	<u>GENERAL EARTHWORK, SUB GRADE</u>		
5	Backfilling obtained from the SELECTED excavations including haulage compacted to 93% modified AASHTO density	m3	525
6	Imported G5/G6 earth filling supplied by the Contractor and brought onto site in bulk filling compacted to 93% modified AASHTO density for road levelling	m3	525
7	Remove and spoil all oversize materials at designated spoil area	m3	25
8	Remove and spoil all materials bladed to windrow	m3	10
9	Prepare ground surface by scarifying top 150mm layer of ground and re-compact to 93% modified AASHTO density	m2	3,500
10	Surface finishing on fill and cut slopes with stockpiled topsoil	m2	500
	<u>SUB-BASE COURSE</u>		
11	Imported G5/G6 earth filling supplied by the Contractor and brought onto site in bulk filling compacted to 93% modified AASHTO density	m3	525
12	Extra over Imported G5/G6 material for stabilization to type C3 - RoadCem CEM II 32.5N used @ 3.0% / volume for stabilization	m3	913
	<u>BASE COURSE</u>		
13	Imported G1 dense graded crushed stone with maximum size of 37.5mm, supplied by the Contractor and brought onto site in bulk filling, compacted to compacted to 88% modified AASHTO density	m3	525
	Carried Forward		R
Section No. 3			
Bill No. 1			
ROADWORKS AND PAVINGS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

		Brought Forward		R
<u>TESTS</u>				
14	Tests to determine the degree of compaction, etc. of ground or filling	No	25	
<u>FROM ACCESS TO ALBERT LUTHULI STREET TO ENTRANCE CIRCLE</u>				
<u>Supply and install/construct the following items</u>				
<u>ROAD SURFACE FINISHING WITH PAVING BLOCKS</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Quarry tiles, cement, terrazzo and similar tiles, precast concrete bricks, blocks, etc</u>				
<u>80mm Thick type S-A Class 40 grey interlocking paving block to match existing of a wet strength of minimum 40MPa laid on and including 30mm thick layer of crusher sand treated with weedkiller and joints filled in with dry sand/ cement including preparation of ground or filling</u>				
<u>and joints filled in with dry sand/ cement including preparation of ground or filling to comply with SANS 1200 MJ</u>				
15	Paving to roadways etc to falls laid with butt joints with sand swept into joints, to falls	m2	2,850	
16	Fair circular cutting	m	650	
<u>KERBING</u>				
17	Figure 8c - mountable kerbs on straight lines	m	1,350	
18	Figure 8c - mountable kerbs at curving lines with radius less than 20m	m	250	
<u>MASONRY</u>				
<u>SUPERSTRUCTURE (DISPLAY WALL)</u>				
		Carried Forward		R
Section No. 3				
Bill No. 1				
ROADWORKS AND PAVINGS				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Brickwork of NFP bricks in class II mortar</u>		
19	One brick walls with and including foundation, concrete footings, backfilling, brick reinforcement, etc.complete	m2	27
	<u>FACE BRICKWORK</u>		
	<u>Face bricks pointed with recessed horizontal and vertical joints</u>		
20	Extra over brickwork in NFP bricks for face brickwork	m2	27
	<u>RUBBLE WALLS</u>		
	<u>Rubble walls of uncoursed random local stone to the principal agent's approval</u>		
21	Gabion cage wall filled G1 stone including excavation, foundation, backfilling, concrete,masonry etc. complete as per the Architect's or Engineer's drawings attached	m3	28
	<u>DECORATIVE SCREEN WALLS AND GRILLES</u>		
	<u>Screen walls of stone cladding bedded and jointed in class II mortar, with continuous joints in both directions and pointed with flush horizontal and vertical joints</u>		
22	110mm Walls pointed on both sides	m2	12
	<u>PAINTWORK</u>		
	<u>ROADWAY MARKINGS and ROAD SIGNS</u>		
	<u>Road markings - regulatory markings</u>		
23	RM2 White 2 x 100mm wide "No Crossing" lines (245m x 2 lines)	m	25
24	RM5 White 100mm and Yellow 200mm wide "Painted Islands" lines (edge lines are white 100mm thick lines, bars are yellow 200mm thick lines)	m	25
25	RM4.1 Yellow 100mm wide "Left Edge Line" along the edge of the road	m	60
	Carried Forward		R
	Section No. 3 Bill No. 1 ROADWORKS AND PAVINGS		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
26	RM4.2 Yellow 100mm wide "Right Edge Line" along the edge of the road	m	35
27	RM8.5 Yellow right turn arrow indicator marking, 4m long 1.14m ²	No	2
28	RTM1 White 300mm wide line in front of STOP marking	m	4
29	RTM2 White 200mm wide YIELD line (600mm long lines with 300mm gaps)	m	13
30	RTM3 White 100mm wide Pedestrian Crossing Lines	m	48
31	GM1 White 100mm wide guidance marking (1.5m long lines with 1.5m gaps)	m	65
32	GM7 White, the word "STOP" marking, 4 000mm long, 1.4m ² paint area	No	1
33	GM8 Black & White painting on alternate units of pre-cast kerbings on straight and on curving lines	m	85
34	WM2 White 100mm "Continuity" line (2 000mm long lines with 4 000mm gaps)	m	94
35	WM5 White Yield control ahead marking, 2 500mm long, 2.15m ² painted area	No	2
36	WM7.1 White mandatory direction (left) arrow, 4 000mm long, 1.43m ² painted area	No	2
37	WM7.5 White mandatory direction (right) arrow, 4 000mm long, 1.43m ² painted area	No	2
38	Setting out & pre-marking lines	m	3,729
39	Setting out & pre-marking letter & symbol markings on road surface	No	15
<u>ROAD SIGNS</u>			
Carried Forward			R
Section No. 3 Bill No. 1 ROADWORKS AND PAVINGS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>Provide sign faces with painted or galvanized background with painted symbols, characters, legend and borders, with signboards constructed from aluminium sheet 2.0mm thick, weather resistant particle board supported by structural steel circular hollow tube, including all brackets, bolts, nuts, washers and other related units. Rate shall also include all earthworks, concrete works, soilcrete etc. associated with these signboards & their supports</u>		
40	Sign R1 (900mm x 900mm octagonal, red & white) stop sign	No 1
41	Sign R2 (900mm x 900mm triangular, red & white) yield sign	No 2
42	Sign R214 (900mm diameter circular, red & white with black marking) overtaking prohibited	No 1
43	Sign W107 (900mm x 900mm triangular, red & white) side road junction from the left	No 2
44	Sign W108 (900mm x 900mm triangular, red & white) side road junction from the right	No 2
<u>PROTECTION OF EXISTING UNDER GROUND SERVICES</u>		
<u>Supply & install all material as required. Protection from damages during construction to existing services crossing the construction area (whether or not their presence is known before they're uncovered). All excavation to expose services in road construction area to be made by hand</u>		
45	Various services (electrical, communication, water, sewer etc.)	m3 10
Carried Forward to Summary of Section No. 3		R
Section No. 3		
Bill No. 1		
ROADWORKS AND PAVINGS		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 19</u>			
	<u>GROUND WATER SUPPLIES</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<u>WATER SUPPLIES</u>			
	<u>Class 12 High Density Polyethylene pipes</u>			
1	15mm Pipes laid in and including trenches	m	58	
2	22mm Pipes laid in and including trenches	m	210	
3	32mm Pipes laid in and including trenches.	m	105	
	<u>Extra over Class 12 high density polyethylene pressure pipes for fittings</u>			
4	15mm Fittings	No	10	
5	22mm Fittings	No	35	
6	32mm Fittings	No	18	
7	32mm Reducer	No	5	
8	32 x 15mm Tee	No	15	
9	32 x 22 x 32mm Reducing tee	No	10	
	Carried Forward			R
	Section No. 3 Bill No. 2 GROUND WATER SUPPLIES			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>TAPS, VALVES, ETC.</u>			
<u>Brass wheels to SABS 776 (left hand closing)</u>			
10	25mm Fullway gate valve including connections to 32mm HDPE pipe	No	3
11	Air release valve consisting of saddle to 32mm HDPE pipe and 25mm galvanised steel stand pipe with 25mm brass gate valve and 25mm air release valve.	No	1
12	Fire Hydrant to approved standard with London round thread outlet with rising spindle, closing clockwise and a maximum overall hydrant height of 320mm	No	1
13	Booster Pumps Pump capacity delivery 72m ³ /h at 450kPa. Pump shall include the variable speed drives and MPC unit	No	1
14	Fire boost connection	No	1
<u>Municipal Water Connection</u>			
15	Include the sum of R12,000,00 (Twelve thousand Rands) for connection to municipal water supply to be undertaken by the Municipality		Item
16	Add for profit if required		Item
<u>Sundries</u>			
17	Unreinforced concrete thrust block 500 x 200 x 400mm at bends, tees, etc including necessary extra excavation, formwork, etc.	No	2
18	Valve chamber formed of Type 3A cast iron valve box cover to SABS 558 bedded on base formed of three oversailing courses of one brick wall built in 1:3 cement mortar and 800 x 800 x 75mm thick 25Mpa/19mm concrete top surround reinforcement and top finish	No	1
<u>Testing</u>			
19	Testing water pipe system		Item
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 2			
GROUND WATER SUPPLIES			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 20</u>			
	<u>SOIL DRAINAGE (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<u>SOIL DRAINAGE</u>			
	<u>uPVC class 34 pipes with flexible joint</u>			
1	110mm Pipes laid in and including trenches not exceeding 1,5m deep	m	189	
	<u>Extra over uPVC pipes for fittings</u>			
2	110mm Bend (45 degree angle)	No	3	
3	110mm Bend (45 degree angle) with inspection eye	No	3	
4	110mm Bend (90 degree angle)	No	5	
5	110mm Bend (90 degree angle) with inspection eye	No	5	
6	110mm Junction (90 degree angle) with inspection eye	No	5	
7	Rodding eye including pipe, concrete sorround, junction and cast iron lid complete	No	4	
	Carried Forward			R
	Section No. 3 Bill No. 3 SOIL DRAINAGE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward			R
	<u>The following manholes size 600 x 600mm with cast iron cover and frame Type 2A, to be executed complete in accordance with the requirements of the Sewer Division of the Local Municipality standard details</u>			
8	Manhole average 1500mm deep to invert with 150mm channel including bends, etc	No	7	
	<u>Sundries</u>			
9	Cut into existing 160mm diameter pipe and connect into existing sewer manhole, cut back pipe and stop off and make good to complete the connection	No	1	
10	Extra over excavations in earth for pipe trenches, chambers, etc. for excavations in hard rock	m3	1	
	<u>Testing</u>			
11	Testing soil drainage pipe system		Item	
	Carried Forward to Summary of Section No. 3			R
	Section No. 3			
	Bill No. 3			
	SOIL DRAINAGE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 21</u>			
	<u>STORMWATER DRAINAGE (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<u>STORMWATER DRAINAGE</u>			
	<u>GENERAL WORKS</u>			
	<u>Supply, install/construct the following items</u>			
	<u>EARTHWORKS</u>			
1	Excavate in bulk for culvert, including the disposal of the unsuitable and excess material at agreed disposal site	m3	50	
2	Additional excavation for inlet and outlet structures	m3	25	
3	Rip excavated areas & compact to 93% Mod AASHTO density	m2	50	
4	Extra over excavation for hard rock	m3	11	
5	Extra over for excavation in boulder class A & B material	m3	4	
6	Extra over excavations for working space	m2	105	
7	Make up deficiency in backfill material by importation	m3	63	
	Carried Forward			R
	Section No. 3 Bill No. 4 STORMWATER DRAINAGE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>CONCRETE AND RELATED ITEMS</u>			
8	3040mm wide x 100mm slab, 56.12m long from 25MPa concrete for culvert base	m3	18
9	Alternative to 100mm thick base slab to use pre-cast "Rocla Slabs" for rectangular portal culverts" standards size for 600mm x 450mm culverts	No	46
10	3 040mm wide x 100mm slab, 56.12m long from 25MPa concrete over G1 crushed stone layer	m3	18
11	Smooth vertical formwork for sides of floor slab	m2	24
12	Uniform wood float finish on concrete surfaces	m2	342
13	Type 245 fabric reinforcement in 100mm thick concrete floor on ground	m2	180
14	Type 888 fabric reinforcement in 100mm thick concrete roof slab	m2	180
15	Compaction on culvert sides with 1:10 mix soilcrete between culvert and excavation surface on both sides of culvert (\pm 300mm wide x length)	m3	32
16	Construction joint in 75mm floor slab with key joint surface coated with an approved bond breaker, on top of joint apply 13mm x 10mm ABE DOW CORNING 890-SL joint sealant with backing rope (or similar approved by the Engineer)	m	8
<u>Municipal connection</u>			
17	Allow for municipal connection		Item
<u>Testing</u>			
18	Testing drainage pipe system		Item
<u>CULVERTS</u>			
19	600mm x 450mm high Class 75S road application rectangular portal storm water culvert (46 number x 1.22m long units in 4 rows next to each other)	No	10
Carried Forward			R
Section No. 3 Bill No. 4 STORMWATER DRAINAGE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>INLET AND OUTLET STRUCTURES</u>			
20	600mm wide x 250mm high strip foundation for brick walls from 25MPa concrete	m	16
21	100mm thick slabs between brick works from 25MPa concrete	m3	2
22	600mm x 3086mm wide x 150mm thick base from 25MPa concrete (for view see "Section B-B" & "Section C-C")	m3	1
23	3546mm x 670mm high x 200mm thick headwalls from 25MPa concrete	m3	1
24	Smooth vertical formwork for sides of inlet/outlet slabs	m2	12
25	Uniform wood float finish on concrete surfaces	m2	7
26	Type 245 fabric reinforcement in 100mm thick concrete floor on ground	m2	25
27	High tensile steel reinforcement to concrete head walls	t	0.05
28	Mild steel reinforcement to concrete headwalls	t	0.01
29	Construct 25mm x 25mm chamfers on exposed concrete edges	m	14
<u>MISCELLANEOUS ITEMS</u>			
30	Brickwork of NFP bricks in class II mortar (burnt clay bricks with 14MPa nominal strength) in one brick wing walls (item inclusive of brick force - use face brick of style & colour requested by the Client)	m2	11
31	Extra over brick works for laying brick on edge on top of brick walls	m2	16
32	G1 imported dense graded crushed stone with maximum size of 37.5mm, compacted to 88% apparent relative density, thickness vary between ± 75 and ± 150mm (thickness to be determined on site - quantity already incorporated into item "Base course")	m3	20
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 4			
STORMWATER DRAINAGE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 22</u>			
	<u>BOUNDARY WALLS AND FENCING</u>			
	<u>PREAMBLES</u>			
	<p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p>			
	<u>FENCING</u>			
	<u>"Cochrane ClearVu Invisible Wall" or other similar and approved Fencing System 2400mm high supplied and Installed Complete with Shark tooth top protector, posts, concrete bases, etc</u>			
1	Cochrane ClearVu high density anti-climbing and anti-cut pressed mesh panel fencing 2.4m high, formed of 3mm diameter horizontal and 4mm diameter vertical high tensile wires hot dip galvanised post welding and then Marine Fusion Bond coated (3.5mm coated wire diameter), with aperture size 76.2mm x 12.7mm and reinforced with 4 x 50mm V-section ribs. 2 x 75mm 70 degree flanges along top and toe, panels affixed to post over 48 line wires using 8x double bolt comb clamps and 8x sing bolt comb clamps using 24x vandal resistant bolts	m	544	
2	Straining post 85 x 85mm mild steel hollow section taper into 45mm depth, hot dip galvanised post welding and then Marine Fusion Bond coated, 3m high with locking recess mechanism to secure panel edge and sealed with UV stabilized polymer cap, including concrete base, excavation, etc	No	91	
	Carried Forward			R
	Section No. 3			
	Bill No. 5			
	FENCING			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
3	Cochrane Vehicular Sliding Gate in leaves size 8000 x 2400m high including concrete beam for track	No	1
4	Extra over fencing for Cochrane pedestrian hinged gate size 900 x 2100mm high with electronic buzzer mechanism	No	1
5	Cochrane ClearVu Sharktooth Marine fusion bonded spikes fixed to top of brick boundary walls and fencing	m	544
6	Extra over fencing for bedding bottom edge in and including concrete 25MPa/13mm below ground level 150 x 250mm deep	m	544
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 5			
FENCING			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO 23</u>			
	<u>LANDSCAPING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<u>Landscaping specification</u>			
	Refer to the landscape architect's specification annexed to these bills of quantities which is supplementary to and shall take precedence over the "Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors"			
	<u>Excavate in earth and dispose on site</u>			
1	Not exceeding 150mm deep to remove humps, form shallow ditches, etc	m2	795	
	<u>Ground preparation</u>			
2	Cultivation and preparation of areas to be planted	m2	795	
	<u>Selected topsoil obtained from prescribed stock piles on site, including spreading and levelling</u>			
3	In plant beds, grassed areas and holes for trees, shrubs, etc	m3	64	
	Carried Forward			R
	Section No. 3 Bill No. 6 LANDSCAPING			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Garden soil supplied by the contractor (3 parts well sifted top soil, 1 part compost and 1 part milled pine bark), including spreading and levelling</u>		
4	In plant beds, grassed areas and holes for trees, shrubs, etc	m3	64
	<u>Grassing, ground covers, etc</u>		
5	"Kikuyu" roots in rows at 250mm centres	m2	795
	<u>Maintenance</u>		
6	Allow for maintenance of grass including irrigation, grass cutting , etc. for a period of three (3) months after grassing completion		Item
	<u>TREES</u>		
7	Acer palmatum weighing 50kg	No	3
8	Acer buergerianum weighing 20kg	No	10
	<u>Shrubs, bulbs and plants</u>		
9	Abelia chinensis variagata weighing 5kg	No	15
10	Juniperus pfitzeriana aurea weighing 10kg	No	5
	<u>Pebble covering</u>		
11	Covering of pebbles	m2	500
	<u>Rockery boulders</u>		
12	Rockery boulder 1000mm diameter obtained from stock piles on site	No	35
	<u>BENCHES, TABLES, ETC</u>		
	Carried Forward		R
	Section No. 3 Bill No. 6 LANDSCAPING		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>Garden furniture with grey exposed aggregate finish to precast concrete components, including excavation, backfilling and unreinforced concrete footings where applicable</u>		
13	Concrete garden benches and tables as per Architect' drawing attached	No 4
<u>The following from "Streetscape" or other similar and approved</u>		
14	"Round 500" Concrete bin size 500mm diameter x 750mm high x 185kg	No 3
15	390mm Diameter x 600mm high with total height of 750mm Perforated Swing Steel bin	No 2
16	"Classic Seat" Concrete bench with wooden slates 1800mm long x 450mm width x 650mm high overall (Seat height to be 450mm)	No 2
17	"Pyramid Ash" concrete bin size 400 x 400 x 750mm high x 245kg	No 2
Carried Forward to Summary of Section No. 3		R
Section No. 3		
Bill No. 6		
LANDSCAPING		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No		Quantity	Rate	Amount
	<u>BILL NO. 24</u>			
	<u>GUARD HOUSE</u>			
	<u>PREAMBLES</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.			
	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
	<u>EXCAVATIONS ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Trenches	m3	12	
	<u>Excavation in earth not exceeding 2m deep below reduced level</u>			
2	To reduce levels under floors etc	m3	1	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	1	
4	Hard rock	m3	1	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	4	
	Carried Forward			R
	Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Risk of collapse of excavations</u>			
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	18
<u>Keeping excavations free of water</u>			
7	Keeping excavations free of all water other than subterranean water		Item
<u>FILLING ETC</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
8	Under floors, steps, pavings, etc	m3	1
9	Backfilling to trenches, holes, etc	m3	7
<u>Filling of coarse river sand supplied by the contractor, consolidated</u>			
10	Under floors etc	m3	0.32
<u>Filling of hardcore, consolidated</u>			
11	Under floors etc	m3	1
<u>Earth filling supplied by the contractor, compacted to 93% Mod AASHTO density</u>			
12	G5 Material in backfilling to trenches, holes, etc.	m3	7
13	G5 Material under floors, steps, pavings, etc.	m3	1
<u>Compaction of ground surfaces</u>			
14	Compaction of natural or excavated ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	6
Carried Forward			R
Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>WEED KILLERS, INSECTICIDES, ETC</u>			
<u>Soil insecticide in accordance with SANS 5859</u>			
15	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	6
16	To bottoms and sides of trenches etc	m2	8
<u>TESTS</u>			
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>			
17	"Modified AASHTO Density" test	No	2
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>10MPa/19mm Concrete</u>			
18	Surface blinding under footings and bases	m3	0.1
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm Concrete</u>			
19	Strip footings	m3	2
20	Surface beds cast in panels on waterproofing	m3	1
21	Steps, urinal steps, cupboard platforms, etc	m3	1
<u>TEST CUBES</u>			
22	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1
Carried Forward			R
Section No. 3			
Bill No. 7			
GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
23	Surface beds, slabs, etc to falls	m2	6
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
<u>Rough formwork to sides</u>			
24	Edges, risers, ends and reveals exceeding 300mm high or wide	m2	2
<u>MOVEMENT JOINTS ETC</u>			
<u>Two layers of 500 micron Brickgrips as " slip joints between horizontal concrete and brick surfaces including cement mortar bed</u>			
25	Not exceeding 300mm wide	m	3
<u>Saw-cut joints</u>			
26	6 x 40mm Saw cut joints in top of concrete	m	3
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Fabric reinforcement</u>			
27	Ref 245 mesh reinforcement in concrete surface beds	m2	6
<u>MASONRY</u>			
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>			
28	One brick walls	m2	15
<u>2,5mm Brickwork reinforcement</u>			
29	150mm Wide reinforcement built in horizontally	m	212
Carried Forward			R
Section No. 3			
Bill No. 7			
GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward

R

Carried Forward

R

Section No. 3
Bill No. 7
GUARD HOUSE

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
30	One brick walls	m2	36
<u>BRICKWORK SUNDRIES</u>			
<u>2,5mm Brickwork reinforcement</u>			
31	150mm Wide reinforcement built in horizontally	m	141
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>			
32	220 x 75mm Lintels in lengths not exceeding 3m	m	4
<u>Joint forming material in movement joints</u>			
33	12mm Bitumen impregnated fibre board built in vertically between brick skins not exceeding 300mm wide	m2	1
<u>Air bricks etc</u>			
34	229 x 152mm Clay vermin proof air brick	No	8
<u>FACE BRICKWORK</u>			
<u>Face bricks pointed with recessed horizontal and vertical joints</u>			
35	Extra over brickwork in NFP bricks for face brickwork	m2	9
<u>Brick-on-edge header course, copings, sills, etc of face bricks, pointed with recessed joints on all exposed faces</u>			
36	220mm Wide cills set sloping and slightly projecting externally	m	2
37	Extra over brickwork for brick-on-edge header course bands 1 course high	m	3
<u>WATERPROOFING</u>			
<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
Carried Forward			R
Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
38	<u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u> In walls	m2	2
39	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u> Under surface beds	m2	6
<u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC</u>			
40	<u>Two part polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u> 6 x 40mm In saw cut joints in floors	m	3
41	16 x 20mm In horizontal slip joints between concrete and brickwork externally	m	3
<u>SILICONE POINTING</u>			
<u>Silicone pointing</u>			
42	Around timber/aluminium door and window frames externally	m	12
<u>ROOF COVERINGS, CLADDINGS, ETC</u>			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
Ribbed Roofing Sheets:			
The sheeting shall be fitted in accordance with the manufacturer's recommendations with the side laps on the leeward side of the prevailing wind direction. All fixing holes shall be drilled and not punched.			
Cutting of sheets:			
All necessary cutting to sheets shall be properly performed and all exposed cut edges shall be perfectly straight and treated to match roof finish.			
Carried Forward			R
Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>"Macsteel Roofing 0.53mm thick Novotexi 440(R) profile 440mm cover ZINCALUME AZ150 spelter G550" Dove Grey or other similar and approved roof sheeting in single lengths fixed to starter bar and to each intermediate purlin with concealed fixing clips secure to steel purlins at not exceeding 1860mm centres and to eaves and ridge purlins at 1200mm centres, in strict accordance with the manufacturer's specifications</u>		
43	Roof covering with pitches not exceeding 25 degrees	m2	20
44	Raking cutting to roof sheeting (both sides measured)	m	5
<u>ROOF AND WALL INSULATION</u>			
	<u>100mm Thick "Sonowool" or other similar and approved 65kg/m3 batts fixed under roofing in two 50mm layers over and including straining wire spaced 400mm apart 95mm below top of purlins to form a 300mm square grid including drilling purlins as necessary</u>		
45	Insulation under roofing	m2	6
<u>CARPENTRY AND JOINERY</u>			
	<u>Plate nailed timber roof truss construction</u>		
46	Complete roof construction including all trusses, ties, struts, connector and end plates, etc (purlins elsewhere) (measured on slop	m2	20
<u>TIMBER DOORS, WINDOWS, ETC</u>			
<u>DOORS ETC</u>			
	<u>Solid core flush doors with 10mm tempered hardboard both sides and two hardwood finger jointed stiles</u>		
47	40mm Door size 750 x 2125mm high (D6)	No	1
<u>NOTICEBOARDS, KEYBOARDS, DUCKBOARDS, ETC</u>			
Carried Forward			R
Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

		Brought Forward		R
	<u>Pinning boards</u>			
48	2 000 x 1 200mm High cork surface pinning boards with aluminium frame	No	1	
	<u>FITTINGS</u>			
	<u>General: 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, anchors, housing</u> <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</u>			
	<u>Melawood Melamine faced fittings with 8mm beech edging unless otherwise described</u>			
49	Security counter 2000 x 500 x 900mm high with post formed top, sides, bottom, divisions, shelves, back, drawers and hinged doors.	No	1	
	<u>IRONMONGERY</u>			
	<u>HINGES, BOLTS, ETC</u>			
	<u>Hinges, bolts, etc.</u>			
50	100 x 75mm Nylon insert brass butts with stainless steel washers	No	3	
	<u>Locks</u>			
51	Four-lever deadlock	No	1	
	<u>SUNDRIES</u>			
	Carried Forward			R
	Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Sundries</u>			
52	50mm Rubber door stop, plugged	No	1
53	Chromium plated coat hook	No	1
<u>METALWORK</u>			
<u>GALVANISED STEEL GATES, SCREENS, ETC</u>			
<u>Welded screens and gates</u>			
54	Single security gate 850 x 2030mm high with and including locking mechanism	No	1
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
<u>1,2mm Double rebated frames suitable for one brick walls</u>			
55	Frame for door 850 x 2125mm high	No	1
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>			
<u>Purpose made natural Anodised aluminium windows to specialists detail glazed with low E glazing and laminated safety glass in areas marked SG to NBR Regulations installed complete including ironmongery and mastic pointing all around both sides all in accordance with the Architects drawings</u>			
56	Window size 1270 x 1110mm high (W9)	No	2
<u>PLASTERING</u>			
<u>SCREEDS</u>			
<u>Screeds steel trowelled, on concrete</u>			
57	25mm Thick on floors and landings	m2	6
<u>INTERNAL PLASTER</u>			
Carried Forward			R
Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Cement plaster steel trowelled smooth on brickwork</u>		
58	On walls	m2	33
59	On narrow widths not exceeding 300mm wide	m2	0.4
<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster wood floated, on brickwork</u>		
60	On walls	m2	33
61	On narrow widths not exceeding 300mm wide	m2	0.4
<u>TILING</u>			
<u>WALL TILING</u>			
	<u>200 x 200 x 5mm White glazed ceramic tiles fixed with adhesive to plaster (plaster elsewhere)</u>		
62	On walls in isolated panels, splashbacks, etc not exceeding 1m ²	m2	1
<u>FLOOR TILING</u>			
	<u>600 x 600 x 8mm Ceramic floor tiles (Color: Beige) fixed with adhesive and flush pointed with grey waterproof jointing compound including waste</u>		
63	On floors and landings	m2	6
64	75 x 22mm Skirting fixed to walls including polyurethane movement joint between skirting and adjacent floor tiles and with and including stainless steel quadrant trim in long lengths to top of tiles	m	11
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
<u>RAINWATER DISPOSAL</u>			
Carried Forward			R
Section No. 3 Bill No. 7 GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
	<u>Watertite Guttering commercial and industrial Square profile aluminium H3003h 14 seamless gutter, coated internally and externally with ColourTech G4 in colour Marble White with matching splash-plate including cut and mitred angles covered with a mitre externally, secured to metal roof sheets with 25 x 2.5mm L-Shaped and and 20 x 3mm dual-purpose brackets at 600mm centres using aluminium pop rivets, including expanded aluminium mesh leaf guard set over gutter, accessories sealed inside with Dow Corning 813 silicone sealer or similar and approved</u>			
65	125 x 85 x 0.60mm Thick roof gutters	m	12	
66	75mm Diameter rainwater pipes	m	12	
67	Extra over gutter for stopped end	No	4	
68	Extra over gutter for outlet for 75mm pipe	No	4	
69	Extra over rainwater pipe for bend	No	4	
70	Extra over rainwater pipe for shoe	No	4	
<u>PAINTWORK</u>				
<u>PAINTWORK ETC TO NEW WORK</u>				
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Prime with one coat of Professional Gypsum and Plaster Primer (PP 700) to achieve a continuous film allow 16 hours to dry (water based topcoat) and apply two full coats of Professional Superior Low Sheen (PEM 100/TLS) to achieve complete obliteration, allowing 2 hours drying between two coats</u>			
71	Walls	m2	33	
<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
Carried Forward				R
Section No. 3 Bill No. 7 GUARD HOUSE				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward			R
	<u>Prime with two coat of Professional Gypsum and Plaster Primer (PP 700) to achieve a continuous film allow 16 hours to dry (water based topcoat) and apply two full coats of Professional Superior Low Sheen (PEM 100/TLS) to achieve complete obliteration, allowing 2 hours drying between two coats</u>			
72	Walls	m2	33	
	<u>ON METAL SURFACES</u>			
	<u>Wire brushed, primed with zinc chromate, one universal undercoat and two coats high gloss enamel paint</u>			
73	Door frames	m2	1	
	<u>ON WOOD SURFACES</u>			
	<u>Three coats superior quality polyurethane suede varnish</u>			
74	Doors	m2	4	
	Carried Forward to Summary of Section No. 3			R
	Section No. 3			
	Bill No. 7			
	GUARD HOUSE			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Bill No	<u>SECTION SUMMARY - EXTERNAL WORKS</u>	Page No	Amount
1	ROADWORKS AND PAVINGS	114	
2	GROUND WATER SUPPLIES	116	
3	SOIL DRAINAGE	118	
4	STORMWATER DRAINAGE	121	
5	FENCING	123	
6	LANDSCAPING	126	
7	GUARD HOUSE	139	
	Carried to Final Summary		R
	Section No. 3		

Item No	Quantity	Rate	Amount			
<p><u>BILL NO 25</u></p> <p><u>ELECTRICAL WORK</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Specifications, drawings, etc</u></p> <p>Tenderers are referred to the specification and drawings attached prepared by the electrical Engineer, annexed to these bills of quantities for the electrical work, for the full descriptions of the following items which are to be read and priced in conjunction with the said specification and drawings</p> <p><u>Contract price adjustment provisions</u></p> <p>With reference to clause A32 of the Preliminaries all items in this bill will be subject to fluctuations in the cost of labour and material on the following basis:</p> <p>(a) Ring main units, miniature substations, transformers, main low tension boards, distribution boards and busbars between transformer and low tension boards calculated on the indices published by the Steel and Engineering Industries Federation of South Africa</p> <p>(b) Cables in excess of 16mm² calculated on the basis of proven cost</p> <p>(c) All other work calculated on the index for work group 105</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 4 Bill No. 1 ELECTRICAL RETICULATION</p>						R

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>Distribution boards etc</u>		
Rates for distribution boards etc are to include for busbars, jumpers, neutral bars, internal wiring and connections, circuit identification markers, control gear labels, circuit legend cards and working drawings		
<u>Switches, socket outlets, etc</u>		
Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up and cover plates		
<u>Light fittings</u>		
Rates for light fittings are to include for hanging, fixing and connecting and for lamp holders and fluorescent tubes and lamps of the type and wattage described		
<u>MV RETICULATION</u>		
1	Supply and Install 16kVA 11kV/400V pole mounted transformer complete with structures and poles. Supply install fox conductors ACSR	Item
<u>LV RETICULATION</u>		
<u>Distribution Kiosks</u>		
<u>3CR12, Powder coated, plinth mounted, complete with equipment as specified</u>		
2	Install Main Kiosk coupled with Three Phase Meter	No 1
3	Plinth	No 1
<u>Trenching</u>		
<u>Excavating, bedding, backfilling, consolidating and making good as specified</u>		
4	Pickable soil	m3 25
5	Hard rock	m3 11
6	Backfilling and compaction	m3 35
Carried Forward		R
Section No. 4 Bill No. 1 ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
7	50mm diameter PVC sleeves for road crossings/cable entries into the building-rate must include for galvanised steel draw wires in spare sleeves and sealing of ends	m	70
8	Cable warning tape, 300mm above cables	m	120
9	Cable markers, above cables	No	4
<u>600/1000V PVC SWA cables, in trenches and sleeves, including labels</u>			
10	6mm ² 3core	m	90
11	4mm ² 2core	m	40
<u>600/1000V Cable terminations</u>			
<u>for PVC SWA PVC Cu cables, for indoor or outdoor use, as required</u>			
12	Gland no 3 complete with shroud	No	4
<u>Earth conductors (HDHC), including ends</u>			
13	4mm ²	m	90
14	2,5mm ²	m	40
15	Testing of this section in the presence of the Employer and/or the Engineer, including all equipment, power generator, etc	No	1
<u>HALL</u>			
<u>Cable and Data Sleeves</u>			
<u>Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends</u>			
16	50mm Diameter for Power Cables	m	20
Carried Forward			R
Section No. 4			
Bill No. 1			
ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Draw Wires</u>		
17	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit	m	800
	<u>Distribution Boards</u>		
	<u>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 internal</u>		
18	Supply and install a Distribution Board (DB-HL)	No	1
	<u>Conduit Work</u>		
	<u>Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories</u>		
	<u>Built or Chase into brick or concrete work</u>		
19	20mm PVC conduit	m	300
20	25mm PVC conduit 25mm PVC conduit	m	350
	<u>In Ceiling space and Timber work or along Purlins</u>		
21	20mm PVC conduit	m	150
	<u>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.</u>		
22	20mm diameter 4 way type(round box)	No	30
	<u>Wall Boxes</u>		
	<u>Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.</u>		
Carried Forward			R
Section No. 4			
Bill No. 1			
ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
	<u>Flush mounted type</u>			
23	100 x 50 x 50mm	No	20	
24	100 x 100 x 50mm	No	12	
	<u>PVC Wiring in conduits</u>			
25	2.5mm ² for lights circuits	m	900	
26	4mm ² for plug sockets circuits	m	700	
	<u>Stranded Bare Copper Earth Wire</u>			
	<u>Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.</u>			
27	1.5mm ²	m	450	
28	2,5mm ²	m	350	
	<u>Light Switches</u>			
	<u>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</u>			
29	1 Lever 1 way	No	1	
30	2 Lever 2 way	No	5	
31	Photo cell	No	1	
	<u>Light Fittings</u>			
	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			
	Carried Forward			R
	Section No. 4 Bill No. 1 ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Fittings to be equal and similar approved to the below quoted manufacture</u>			
32	15W Rondo Midi downlight recessed/surface mount 350mA 4000K	No	15
33	15W Rondo Midi downlight recessed/surface mount 350mA 4000K with a battery backup of 60mins	No	4
34	100W Genbay suspended low bay LED luminaire with a battery back-up of 120mins	No	2
35	100W Genbay suspended low bay LED luminaire	No	7
36	35W 600x600mm LED panel recessed light fitting	No	4
<u>Electrical Tests</u>			
<u>Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate</u>			
37	Building installation		SUM
<u>COUNSELLORS OFFICE</u>			
<u>Draw Wires</u>			
38	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit	m	120
<u>Conduit Work</u>			
<u>Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories</u>			
<u>Built or Chase into brick or concrete work</u>			
39	20mm PVC conduit	m	50
40	25mm PVC conduit	m	50
<u>In Ceiling space and Timber work or along Purlins</u>			
41	20mm PVC conduit	m	20
Carried Forward			R
Section No. 4 Bill No. 1 ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>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</u>		
42	20mm diameter 4 way type(round box)	No	2
	<u>Wall Boxes</u>		
	<u>Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work</u>		
	<u>Flush mounted type</u>		
43	100 x 50 x 50mm	No	1
44	100 x 100 x 50mm	No	3
	<u>PVC Wiring in conduits</u>		
45	2.5mm ² for lights circuits	m	140
46	4mm ² for plug sockets circuits	m	100
	<u>Stranded Bare Copper Earth Wire</u>		
	<u>Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage</u>		
47	1.5mm ²	m	70
48	2,5mm ²	m	50
	<u>Light Switches</u>		
	<u>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</u>		
49	1 Lever 1 way	No	1
	Carried Forward		R
	Section No. 4 Bill No. 1 ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Socket Outlets</u>			
<u>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</u>			
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			
<u>Flush switched sockets type</u>			
50	16A single socket outlets - ZA plug	No	2
51	Type D Socket outlet	No	1
<u>Light Fittings</u>			
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			
<u>Fittings to be equal and similar approved to the below quoted manufacture</u>			
52	35W 600x600mm LED panel recessed light fitting	No	2
<u>Others</u>			
53	30A single phase Isolator	No	1
<u>KITCHEN</u>			
<u>Draw Wires</u>			
54	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit	m	120
<u>Conduit Work</u>			
Carried Forward			R
Section No. 4 Bill No. 1 ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories</u>			
<u>Built or Chase into brick or concrete work</u>			
55	20mm PVC conduit	m	60
56	25mm PVC conduit	m	50
<u>In Ceiling space and Timber work or along Purlins</u>			
57	20mm PVC conduit	m	10
<u>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</u>			
58	20mm diameter 4 way type(round box)	No	2
<u>Wall Boxes</u>			
<u>Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work</u>			
<u>Flush mounted type</u>			
59	100 x 50 x 50mm	No	2
60	100 x 100 x 50mm	m	4
<u>PVC Wiring in conduits</u>			
61	2.5mm ² for lights circuits	m	140
62	4mm ² for plug sockets circuits	m	100
<u>Stranded Bare Copper Earth Wire</u>			
Carried Forward			R
Section No. 4			
Bill No. 1			
ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage</u>		
63	1.5mm ²	m	70
64	2,5mm ²	m	50
	<u>Light Switches</u>		
	<u>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</u>		
65	1 Lever 1 way	No	1
	<u>Socket Outlets</u>		
	<u>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</u>		
	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		
	<u>Flush switched sockets type</u>		
66	16A single socket outlets - ZA plug	No	4
	<u>Light Fittings</u>		
	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		
	Carried Forward		
	R		
	Section No. 4		
	Bill No. 1		
	ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Fittings to be equal and similar approved to the below quoted manufacture</u>			
67	1200mm 34W LED IP66 Corrosions proofing light fitting	No	1
<u>Others</u>			
68	Single Phase 30A isolator for stove	No	2
<u>CHANGE ROOMS</u>			
<u>Draw Wires</u>			
69	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit	m	100
<u>Conduit Work</u>			
<u>Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories</u>			
<u>Built or Chase into brick or concrete work</u>			
70	20mm PVC conduit	m	50
71	25mm PVC conduit	m	40
<u>In Ceiling space and Timber work or along Purlins</u>			
72	20mm PVC conduit 20mm PVC conduit	m	10
<u>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</u>			
73	20mm diameter 4 way type(round box)	No	4
<u>Wall Boxes</u>			
<u>Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work</u>			
Carried Forward			R
Section No. 4			
Bill No. 1			
ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
	<u>Flush mounted type</u>			
74	100 x 50 x 50mm	No	2	
75	100 x 100 x 50mm	No	4	
	<u>PVC Wiring in conduits</u>			
76	2.5mm ² for lights circuits	m	120	
77	4mm ² for plug sockets circuits	m	80	
	<u>Stranded Bare Copper Earth Wire</u>			
	<u>Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage</u>			
78	1.5mm ²	m	60	
79	2,5mm ²	m	40	
	<u>Light Switches</u>			
	<u>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</u>			
80	1 Lever 1 way	No	2	
	<u>Socket Outlets</u>			
	<u>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</u>			
	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			
	Carried Forward			R
	Section No. 4 Bill No. 1 ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Flush switched sockets type</u>		
81	16A single socket outlets - ZA plug	No	4
	<u>Light Fittings</u>		
	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		
	<u>Fittings to be equal and similar approved to the below quoted manufacture</u>		
82	1200mm 34W LED IP66 Corrosions proofing light fitting	No	2
	<u>Others</u>		
83	Single Phase 30A isolator for stove	No	1
	<u>STORAGE</u>		
	<u>Draw Wires</u>		
84	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit	m	40
	<u>Conduit Work</u>		
	<u>Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories</u>		
	<u>Built or Chase into brick or concrete work</u>		
85	20mm PVC conduit	m	10
86	25mm PVC conduit	m	20
	<u>In Ceiling space and Timber work or along Purlins</u>		
87	20mm PVC conduit 20mm PVC conduit	m	10
	Carried Forward		R
	Section No. 4 Bill No. 1 ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>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</u>		
88	20mm diameter 4 way type(round box)	No	1
	<u>Wall Boxes</u>		
	<u>Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work</u>		
	<u>Flush mounted type</u>		
89	100 x 50 x 50mm	No	1
90	100 x 100 x 50mm	No	1
	<u>PVC Wiring in conduits</u>		
91	2.5mm ² for lights circuits	m	40
92	4mm ² for plug sockets circuits	m	40
	<u>Stranded Bare Copper Earth Wire</u>		
	<u>Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage</u>		
93	1.5mm ²	m	20
94	2,5mm ²	m	20
	<u>Light Switches</u>		
	<u>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</u>		
95	1 Lever 1 way	No	1
	Carried Forward		R
	Section No. 4 Bill No. 1 ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Socket Outlets</u>			
<u>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</u>			
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			
<u>Flush switched sockets type</u>			
96	16A single socket outlets - ZA plug	No	1
<u>Light Fittings</u>			
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			
<u>Fittings to be equal and similar approved to the below quoted manufacture</u>			
97	1200mm 34W LED IP66 Corrosions proofing light fitting	No	1
<u>Others</u>			
98	Single Phase 30A isolator for stove	No	1
<u>GUARD HOUSE</u>			
<u>Cable and Data Sleeves</u>			
<u>Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends</u>			
99	50mm Diameter for Power Cables	m	20
Carried Forward			R
Section No. 4			
Bill No. 1			
ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Draw Wires</u>		
100	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit	m	30
	<u>Distribution Boards</u>		
	<u>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 internal</u>		
101	Supply and install a Distribution Board (DB-GH)	No	1
	<u>Conduit Work</u>		
	<u>Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories</u>		
	<u>Built or Chase into brick or concrete work</u>		
102	20mm PVC conduit	m	10
103	25mm PVC conduit	m	10
	<u>In Ceiling space and Timber work or along Purlins</u>		
104	20mm PVC conduit	m	10
	<u>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</u>		
105	20mm diameter 4 way type(round box)	No	2
	<u>Wall Boxes</u>		
	<u>Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work</u>		
	Carried Forward		R
	Section No. 4		
	Bill No. 1		
	ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
	<u>Flush mounted type</u>			
106	100 x 50 x 50mm	No	1	
107	100 x 100 x 50mm	No	1	
108	Type D Socket outlet	No	1	
	<u>PVC Wiring in conduits</u>			
109	2.5mm ² for lights circuits	m	40	
110	4mm ² for plug sockets circuits	m	20	
	<u>Stranded Bare Copper Earth Wire</u>			
	<u>Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage</u>			
111	1.5mm ²	m	20	
112	2,5mm ²	m	10	
	<u>Light Switches</u>			
	<u>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</u>			
113	1 Lever 1 way	No	1	
114	Photo cell	No	1	
	<u>Socket Outlets</u>			
	<u>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</u>			
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification			
	Carried Forward			R
	Section No. 4			
	Bill No. 1			
	ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	All flush type boxes and special pedestals measured elsewhere		
	<u>Flush switched sockets type</u>		
115	16A single socket outlets - ZA plug	No	1
	<u>Light Fittings</u>		
	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		
	<u>Fittings to be equal and similar approved to the below quoted manufacture</u>		
116	1200mm 34W LED IP66 CORROSION PROOF LIGHT FITTING	No	1
117	SAT - Saturn Dome 15W LED Round Bulkhead	No	4
	<u>Electrical Tests</u>		
	<u>Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate</u>		
118	Building installation		SUM
	<u>ABLUTIONS</u>		
	<u>Draw Wires</u>		
119	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit	m	150
	<u>Conduit Work</u>		
	<u>Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories</u>		
	Carried Forward		R
	Section No. 4 Bill No. 1 ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
<u>Built or Chase into brick or concrete work</u>				
120	20mm PVC conduit	m	60	
121	25mm PVC conduit	m	60	
<u>In Ceiling space and Timber work or along Purlins</u>				
122	20mm PVC conduit 20mm PVC conduit	m	30	
<u>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</u>				
123	20mm diameter 4 way type(round box)	No	1	
<u>Wall Boxes</u>				
<u>Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work</u>				
<u>Flush mounted type</u>				
124	100 x 50 x 50mm	No	1	
125	100 x 100 x 50mm	No	1	
<u>PVC Wiring in conduits</u>				
126	2.5mm ² for lights circuits	m	180	
127	4mm ² for plug sockets circuits	m	120	
<u>Stranded Bare Copper Earth Wire</u>				
<u>Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage</u>				
128	1.5mm ²	m	90	
129	2,5mm ²	m	60	
Carried Forward				R
Section No. 4				
Bill No. 1				
ELECTRICAL RETICULATION				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
	<u>Light Switches</u>		
	<u>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</u>		
130	1 Lever 1 way	No	5
	<u>Socket Outlets</u>		
	<u>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</u>		
	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		
	<u>Flush switched sockets type</u>		
131	16A single socket outlets - ZA plug	No	1
	<u>Light Fittings</u>		
	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		
	<u>Fittings to be equal and similar approved to the below quoted manufacture</u>		
132	1200mm 34W LED IP66 Corrosions proofing light fitting	No	6
133	SAT - Saturn Dome 15W LED Round Bulkhead	No	1
	<u>Others</u>		
134	Single Phase 30A isolator for stove	No	1
	Carried Forward		R
	Section No. 4 Bill No. 1 ELECTRICAL RETICULATION		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>AREA LIGHTING</u>			
<u>Supply and installation of SABS approved light fittings as per the specification, complete with lamps, mounted as described including accessories necessary to complete the mounting as specified and are measured separately</u>			
135	4m Steel Pole with brackets and foundation bolts (excluding luminaires), including Delivery to Site and offloading		SUM
136	ZELA 20W LED 38W LED post top luminaire - SYMM distribution mounted on 4m P	No	12
137	LED-DUO 2x10W UP-DOWN 4000K decorative wall mounted LED luminaire	No	6
138	600mm LED TUBE 8W vapour proof luminaire IP66	No	7
139	15W Round LED bulkhead luminaire- wall mounted and tilted at 900	No	7
140	Photocell	No	1
<u>PVC Wiring</u>			
<u>Cabling</u>			
141	6mm ² x 2core copper cable	m	230
142	4mm ² bare copper earth wire (BCEW)	m	230
<u>TESTING AND COMISSIONING</u>			
143	Testing and commissioning of the entire medium and low voltage network and area lighting including the provision of all test equipment required and issuing of a certificate of compliance for the installation		SUM
<u>PROVISIONAL SUMS</u>			
144	Provisional Sum of R55,000.00 for Earthing and Lightning Protection	Item	55,000.00
Carried Forward			R
Section No. 4 Bill No. 1 ELECTRICAL RETICULATION			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

	Brought Forward		R
145	Provisional Sum of R100 000,00 for Electronics Installation(this includes but not limited to the installation of CCTV, Data Network system, PABX (private Automatic Branch Exchange)	Item	100,000.00
146	Provisional Sum of R95 000,00 For 20kVA Backup Generator	Item	95,000.00
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 1			
ELECTRICAL RETICULATION			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 26</u></p> <p><u>MECHANICAL WORK</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>Specifications, drawings, etc</u></p> <p>Tenderers are referred to the specification and drawings prepared by the Mechanical Engineer, annexed to these bills of quantities for the mechanical work, for the full descriptions of the following items which are to be read and priced in conjunction with the said specification and drawings</p> <p><u>Ductwork</u></p> <p>Descriptions of ducts shall be deemed to include stiffeners, jointing materials, sealants, couplers in the running length and access/inspection panels in accordance with the specification</p> <p><u>Dampers</u></p> <p>Descriptions of smoke and fire dampers shall be deemed to include fusible links, sleeves, frames, supports and access openings in ducts</p>			
	Carried Forward		R	
	<p>Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS</p>			

	Brought Forward		R
<p><u>Air diffusion</u></p> <p>Descriptions of air terminals, grilles, louvres and the like shall be deemed to include necks, frames, supports and flexible connections</p> <p><u>Fans</u></p> <p>Descriptions of fan assemblies shall be deemed to include supports from the structure, flexible or other connections to ductwork, vibration isolation mountings and airtight inspection doors</p> <p><u>Sound attenuators</u></p> <p>Descriptions of sound attenuators shall be deemed to include flanged or flexible connections to ducts and supports from the structure</p> <p><u>Fan coil units, fan air terminals and fan heaters</u></p> <p>Descriptions of fan coil units, fan air terminals and fan heaters shall be deemed to include connection points for water, air and electrical supply, for air grilles, dust trays, condensate trays and vibration isolation mountings. Flexible ducts, flexible hose and connecting cables for connecting these units to each other or to water pipe, and electrical supply are separately measured</p> <p><u>Major equipment</u></p> <p>Descriptions of major equipment such as chillers, air handling units and the like shall be deemed to include connections to water, air and electrical supply and/or discharge points, supports, bearers, vibration insulation mountings, filters, insulation, inspection ladders and gangways, access doors and panels and painting etc as specified</p>			
<p>Carried Forward</p>			R
<p>Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS</p>			

<p style="text-align: center;">Brought Forward</p> <p><u>Piping</u></p> <p>Pipe diameters are nominal internal unless otherwise stated</p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch diameter 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 diameters are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><u>Fixing of pipes</u></p> <p>Unless 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</p> <p><u>Pump sets</u></p> <p>Descriptions of pumps shall be deemed to include connections to water and electrical supply and/or discharge points, vibration insulation mountings, insulation, drip trays with outlets, pressure gauges, etc</p> <p><u>Valves</u></p> <p>Descriptions of valves shall be deemed to include flanged or screwed connections to pipes, reducers, supports, etc</p> <p><u>Insulation</u></p> <p>Descriptions of insulation shall be deemed to include priming the pipes with zinc chromate primer before the insulation is applied, painting the insulation when completed and applying vapour barrier where specified</p> <p><u>FIRE PROTECTION</u></p>				<p>R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS</p>				<p>R</p>

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Supply, delivery, installation, commissioning and testing of Fire Protection Systems complete with connection and fittings in Accordance with SANS 10400 Part T or SANS 10400 Part W</u>			
<u>Supply, delivery, installation, commissioning and testing of Fire Hydrants & Fire Hose Reel</u>			
1	100mm Diameter two port booster with pressure gauge	No	1
2	100mm Diameter Storz hydrant - 100mm diameter female BSP inlet & 100mm diameter Storz outlet	No	1
3	Φ65mm Outlet Outdoor Type Fire Hydrant	No	1
4	Φ65mm, 30m MET Lay flat hose with coupling	No	1
5	Φ100mm Non Return Valve and two gate valves	No	1
6	Φ25mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hose Reel	m	30
7	Φ32mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hose Reel	m	50
8	Φ40mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hydrant	m	50
9	Φ110mm Class 16 HDPE Piping Mains Connection	m	80
10	Reducing Valves, Fittings and Accessories (Fire Hose Reels and Hydrants)		SUM
11	Red Oxide Imperial Paint	l	20
<u>Supply, delivery, installation, commissioning and testing of Fire Extinguishers complete with chevron board</u>			
12	30m, 20mm diameter, non-swinging rotary pattern type Fire Hose Reels	No	2
13	5kg Carbon Dioxide Portable Fire Extinguishers	No	2
14	4.5kg Dry Chemical Powder Portable Fire Extinguishers	No	6
Carried Forward			R
Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
15	Fire Extinguishers Cabinet for 5kg CO ₂	No	2
16	Fire Extinguishers Cabinet for 4.5kg DCP	No	6
<u>Supply, delivery and installation of Evacuation Signage and Fire Escape Doors</u>			
17	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	12
<u>Supply, delivery and installation of Fire Equipment Signage</u>			
18	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	2
19	F15, Size: 190mm x 190mm (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	1
20	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	4
<u>Testing and Commissioning of all Fire Protection Installations</u>			
21	Testing and Commissioning of all Fire Protection Installations		SUM
<u>MANUAL FIRE ALARM SYSTEM </u>			
<u>CONVENTIONAL MANUAL ALARM SYSTEM</u>			
Carried Forward			R
Section No. 4			
Bill No. 2			
MECHANICAL INSTALLATIONS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>Supply, delivery, testing and commissioning of a conventional fire detection system complete as per SABS 10139 and SANS 10400</u>			
<u>Fire Panels</u>			
22	4 Loop Addressable Control Panel, 230V (128 zones/508 devices)	No	1
23	Battery 12V 26AH	No	1
24	Battery 12V 7.2AH	No	1
<u>Call Points</u>			
25	Flush mounting red analogue call point	No	7
26	Surface Mounting Box with Earth Connector - RED	No	7
27	MCP Resettable Element	No	7
28	Hinged Cover	No	7
29	Breakable Seals (5-Pack)	No	2
<u>Sounders & L.E.D's</u>			
30	Surface Mounting Addressable Base Sounder Beacon, White (50dBA)*	No	4
31	White Pluggable Base	No	4
<u>Cabling</u>			
32	Fire Retardant cable 2 x 1mm sq. - PH30 - 200m reel	m	800
33	Detector Labels	m	400
<u>Testing, and Commissioning of the whole system</u>			
34	Testing & Commissioning		Item
35	Documentation & As-built Drawings		Item
36	Training		Item
Carried Forward			R
Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>WET SERVICES</u>			
<u>Supply, delivery, installation, commissioning and testing of New water supply and waste water drainage piping, complete connections and fittings</u>			
<u>Supply, delivery, installation, commissioning and testing of Cold/Hot Water Supply system</u>			
37	Φ16mm PN10 PPR (Polypropylene Random Copolymer) piping for Connection of Hot Water Supply Piping complete with connections, reducers and fittings	m	25
38	Φ16mm PN16 PPR (Polypropylene Random Copolymer) Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	25
39	Φ22mm PN16 PPR (Polypropylene Random Copolymer) Piping for Connection of Hot Water Supply Piping complete with connections, reducers and fittings	m	20
40	Φ22mm PN10 PPR (Polypropylene Random Copolymer) Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	30
41	Φ28mm PN16 PPR (Polypropylene Random Copolymer) Ring Main Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	20
42	Φ28mm PN 10 PPR (Polypropylene Random Copolymer) Ring Main Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	15
<u>SUPPLY AND INSTALLATION OF COPPER PIPES WITH FITTINGS CHASED INTO THE WALL</u>			
43	15mm Copper pipe	m	10
44	22mm Copper pipe	m	15
45	28mm Copper pipe	m	20
46	SABS Approved Copper Adjustable Pressure Reducing Valves		SUM
Carried Forward			R
Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
47	Stop/Gate Valves			SUM
48	Accessories (Braided Connectors, Elbows, Tees and etc.)			SUM
<u>Solar Geysers</u>				
49	Insul 7/8x1/2 Insuflex 22x13mmx1.83m	m	1	
50	200L Indirect Solar Geyser	No	1	
51	2.5m ² Flat Plate Collector (SABS)	No	1	
52	Glycol 5L Bottle (food grade)	No	1	
53	Pipe 22x5.5m 460/0 Copper Tube	No	1	
54	Hydroboil	No	1	
55	Consumables		Item	
<u>Testing and Commissioning</u>				
56	Testing and Commissioning of all Installations		Item	
<u>EXTRACTION - ABLUTIONS AND BASEMENT</u>				
<u>EXTRACTION SYSTEMS</u>				
<u>Supply and install Inline axial flow extraction fans complete with in lined attenuators, vibration isolation, square to round transformations, supports and electric controls</u>				
57	Air Flow : 538 L/s @ 250Pa	No	1	
58	Air Flow : 300 L/s @ 150Pa	No	1	
59	Air Flow : 225 L/s @ 100Pa	No	1	
<u>Duct Work for Extraction Systems</u>				
60	Ø300mm Diameter	m	50	
61	Ø250mm Diameter	m	50	
Carried Forward				R
Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward				R
62	Ø200mm Diameter	m	60	
63	Ø150mm Diameter	m	45	
64	Ø150mm Diameter Flexi Ducting	m	12	
<u>Transformations</u>				
65	Ø300mm to Ø250mm Diameter	No	1	
66	Ø250mm to Ø200mm Diameter	No	2	
67	Ø200mm to Ø150mm Diameter	No	3	
<u>Stop Ends</u>				
68	Ø150mm Diameter	No	3	
<u>DISC VALVES</u>				
69	150mm dia. Extract Air Disc Valves complete with 150mm dia. spigot connection	No	15	
70	200mm dia. Extract Air Disc Valves complete with 150mm dia. spigot connection	No	15	
<u>WEATHER LOUVRE</u>				
<u>Supply and install weather louvre complete with all necessary fixtures as specified and shown on the drawings</u>				
71	Size :200 x 200mm	No	2	
72	Size :300x300mm	No	1	
<u>DOOR GRILLES</u>				
<u>Supply and install Aluminium Anodised door grilles as specified and shown on the drawings</u>				
73	Size: 350x300mm Door Grilles	No	10	
Carried Forward				R
Section No. 4 Bill No. 2 MECHANICAL INSTALLATIONS				

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward			R
<u>TEST & COMMISSION</u>			
74	Test and commission of Systems	Item	
<u>SPLIT SYSTEMS</u>			
<u>Supply and install Floor Plan Inverter heat pump air-conditioning units complete with fittings and fixtures, avm and (R410a) refrigerant gas for commissioning as specified and shown on the drawing</u>			
<u>Supply, delivery, installation, commissioning and testing of 1.7 kW cooling capacity round flow cassette indoor unit (Heat Pump, Inverter, R410) complete with insulated refrigerant piping, condensate drains, trunking, electric wiring and connection, remote controls and top-up refrigerant</u>			
75	Chord for Wired Controller	m	6
76	Refrigerant piping - Liquid (Φ 9.52mm) Flare Connection	m	15
77	Refrigerant piping - Gas (Φ 15.9mm) Flare Connection	m	15
78	Drain piping ID (Φ 25) VP25	m	15
79	Mid-Wall Split Units, 1.7 kW cooling capacity with Heat Pump and Inverter (SABS Approved or Equivalent)	No	1
80	Wired Controller	No	1
81	Interface Adapter for Wired Controller	No	1
<u>TESTING & COMMISSION</u>			
82	Test and Commission	Item	
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 2			
MECHANICAL INSTALLATIONS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Bill No	<u>SECTION SUMMARY - ELECTRICAL AND MECHANICAL WORKS</u>	Page No	Amount
1	ELECTRICAL RETICULATION	162	
2	MECHANICAL INSTALLATIONS	172	
	Carried to Final Summary		R
	Section No. 4		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Item No	Quantity	Rate	Amount
<u>BILL NO 27</u>			
<u>PROVISIONAL SUMS</u>			
<u>General</u>			
<p>Work for which budgetary allowances are provided will be measured and valued in accordance with the relevant building contract and deducted in whole or in part if not required without any compensation for loss of profit on the said allowances</p> <p>Prime cost amounts and provisional sums are net. Prime cost amounts shall include for delivery to site of all articles concerned</p> <p>Provisional sums are for material and equipment supplied and installed complete by firms of specialists</p>			
<u>Profit</u>			
Where stated, the contractor may allow for profit if required			
<u>Special attendance on nominated/selected subcontractors</u>			
<p>Where "special attendance" such as unloading, storing, placing in position, providing special power supplies, specific hoisting, crange and scaffolding requirements, provision of temporary casing and/or other specific protection of the works, special security and clearing away rubbish is required, a separate item describing the specific requirements in detail is to be provided for the pricing of such requirements</p>			
<u>Builder's work</u>			
Builder's work in connection with specialist services is given elsewhere in these bills of quantities			
<u>BUDGETARY ALLOWANCES</u>			
Carried Forward			R
Section No. 5 Bill No. 1 PROVISIONAL SUMS			

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Brought Forward		R
<u>Signage</u>		
1	Provide the sum of R35,000.00 (Thirty Thousand Rand) for signage complete	35,000.00
2	Profit	
3	Attendance	
<u>Shaded parking</u>		
4	Provide the sum of R85,000.00 (Eighty-Five Thousand Rand) for covered/shaded parking complete	85,000.00
5	Profit	
6	Attendance	
<u>Playground equipment</u>		
7	Provide the sum of R150,000.00 (One Hundred and Fifty Thousand Rand) for the construction of playground area including installation of playground equipment complete as per Architect's drawings	150,000.00
8	Profit	
9	Attendance	
Carried to Final Summary		R
Section No. 5		
Bill No. 1		
PROVISIONAL SUMS		

CONSTRUCTION OF COMMUNITY HALL IN ITEKENG
TENDER NUMBER: MIG/NW/2845/ST/22/23
DEPARTMENT: INFRASTRUCTURE & TECHNICAL SERVICES
DITSOBOTLA LOCAL MUNICIPALITY

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	42	
2	MAIN BUILDING - COMMUNITY HALL	108	
3	EXTERNAL WORKS	140	
4	ELECTRICAL AND MECHANICAL WORKS	173	
5	PROVISIONAL SUMS	175	
	Sub Total (A)		R
	ADD: CONTINGENCIES (PROVISIONAL)		
	Allow 5% of Sub Total (A) above for Contingencies to be used as directed by the Architect or omitted if not required	Item	
	Sub Total (B)		R
	Add: Value Added Tax (V.A.T) @ 15%		R
	Carried to Form of Tender		R