

**SARS PHYSICAL FACILITIES
LE HAE LA SARS
REPLACEMENT OF MINI SUB**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>REPLACEMENT OF MINI SUB</u>			
	<u>STANDARD PREAMBLES</u>			
	The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	The tenderer shall allow for whatever costs he may deem necessary for preliminary and general items to carry out the mechanical and fire installations as detailed in the conditions of contract, specifications, and Bill of Quantities as indicated on the drawings for this project			
	These bills of quantities form part of and must be read in conjunction with the Tender Drawings, which contain the full descriptions of the work to be done and material and equipment to be used.			
	All materials, equipment, fixings, brackets, supports etc, are to be supplied by the Contractor unless otherwise stated, and are deemed to be included in the rates.			
	Supply and installation of the items as detailed below. All material used shall be SABS approved.			
	<u>800kVA MINI SUBSTATION</u>			
1	Supply and installation of new 800kVA , 11kV/400V mini-substation (including oil-filled RMU or SF6 gas RMU)	No	2	
2	Transportation costs (including rigging, connections, oil of gas filling, etc.)	No	2	
3	Decommissioning of existing 800kVA mini-sub (incl. transportation off-site, oil discarding, rigging, etc.)	No	2	
	Carried Forward			
	Section No. 1			
	Bill No. 1			
	Replacement of mini sub at Lehae			
			R	

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		Brought Forward			R	
4	Testing and commissioning of 800kVA mini-substation	No	2			
	<u>Health and Safety File</u>					
5	Health and safety file must contain all items as requested in the Specification document, please refer to the document under Health and Safety			Item		
	<u>MAIN LV COMPONENT (WITH BUSBARS WITH A RATING OF 1000A CONTINUOUS CONDUCTION MODE AND 30kA FAULT LEVEL)</u>					
	<u>Supply, install, test and commission the following:</u>					
6	Disconnecting of existing cables and circuit breakers				SUM	
7	Supply and installation of new break out DB to accommodate all current equipment	No	2			
8	1250A Isolator MCCB 30kA 3-pole	No	2			
9	630A electronically adjustable setting MCCB, 600V 30kA 3-pole	No	3			
10	400A electronically adjustable setting MCCB, 600V 30kA 3-pole	No	5			
11	250A electronically adjustable setting MCCB, 600V 30kA 3-pole	No	2			
12	100A electronically adjustable setting MCCB, 600V 30kA 3-pole	No	1			
13	1250A electronically adjustable setting MCCB, 600V 30kA 4-pole	No	2			
14	Issue Electrical Certificate of Compliance	No	2			
	<u>INSTRUMENT AND METERING SECTION</u>					
15	Digital ammeter (range 0 - 1250A)	No	2			
16	Digital voltmeter (range 0 - 500V)	No	2			
17	Digital 3-phase Smart Energy Meter (including 1250/5 metering CTs and VTs)	No	2			
	Carried Forward				R	
	Section No. 1					
	Bill No. 1					
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Brought Forward			R	
<u>EMERGENCY SECTION</u>				
18	Disconnecting of existing cables and circuit breakers		SUM	
19	Supply and installation of new break out DB to accommodate all current equipment	No	2	
20	Relocate cables and reconnect		SUM	
21	250A electronically adjustable MCCB, 600V 30kA 3-pole	No	2	
22	100A MCB, 415V 10kA 3-pole Standard Curve 2	No	1	
23	80A MCB, 415V 10kA 3-pole Standard Curve 2	No	1	
24	60A MCB, 415V 10kA 3-pole Standard Curve 2	No	6	
25	30A MCB, 415V 10kA 3-pole Standard Curve 2	No	1	
26	20A MCB, 415V 10kA 3-pole Standard Curve 2	No	2	
<u>MISCELLANEOUS</u>				
27	Provision for all miscellaneous components and activities to ensure that the minisubs are completed in all respects (e.g. nuts and bolts, labelling, etc.)		SUM	
Carried to Final Summary			R	
Section No. 1				
Bill No. 1				
Replacement of mini sub at Lehae				

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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	REPLACEMENT OF MINI SUB AT LEHAE	3	
	Sub-Total		R
	<u>CONTINGENCY AMOUNT</u>		
	Provide an amount for contingencies equal to 10% of the total preliminaries and building works, all to be used as directed and approved by the client	Item	
	Sub-Total		R
	Add 15% VAT		R
	Carried to Form of Tender		R