

**STUTTERHEIM HIGH SCHOOL ELECTRICAL BOQ**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<b><u>PRELIMINARIES AND GENERAL</u></b>				
1.1	Preliminaries and general required to comply with the conditions of contract and all regulations governing this contract including insurances et cetera	Item	1		
1.2	<b><u>OCCUPATIONAL HEALTH &amp; SAFETY</u></b> Allowance for Compliance with Construction Regulations, as detailed in the Occupational Health & Safety Act (OHS), Act 85 of 1993. Submission of an (OHS) plan and all applicable documentation to the Clients satisfaction.	Item	1		
<b>TOTAL CARRIED FORWARD TO SUMMARY PAGE</b>					
2	<b><u>BUILDING WORK</u></b>				
2.1	<b><u>CONCRETE PLINTH</u></b>				
2.1.1	Provide materials & cast a concrete plinth according to the specifications & drawings for Generator CAR20E/2018/001E	Item	1		
2.1.2	Provide materials & cast a concrete plinth according to the specifications & drawings for Changeover Kiosk CAR20E/2018/002E	Item	1		
2.1.3	Supply and Intall Clearview Fence with gate as per specification CAR20E/2018/003E Typical Clearview Fence Detail	Item	1		
2.2	Supply and install the following Kabelflex (HDPE) sleeves.				
2.2.1	Supply and install 110mmØ sleeves c/w bends etc for main supply cables	m	30		
	Supply	m	30		
	Install				
2.2.2	Cable sleeve seal				
	Supply	ea.	1		
	Install	ea.	1		
2.2.3	Galvanised steel draw wire				
	Supply	m	40		
	Install	m	40		
2.3	<b><u>TRENCHING</u></b>				
2.3.1	Cutting of concrete pavement or tar 300mm wide and breaking up of concrete or tar	m	30		
2.3.2	Allow for removal of rubble from site and reinstating once cable is installed.	m <sup>3</sup>	3		
	<b>Excavations for cables in trenches (450mm wide x 600mm deep)</b>				
2.3.3	Excavate in normal earth	m	30		
2.3.4	Allow for Earth in above trench	m <sup>3</sup>	10		
2.3.5	Allow for Soft Rock in above trench	m <sup>3</sup>	3		
2.3.6	Allow for Hard rock in above trench	m <sup>3</sup>	3		
<b>TOTAL CARRIED FORWARD TO SUMMARY PAGE</b>					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	<b><u>MECHANICAL INSTALLATION</u></b>				
3.1	<b><u>EMERGENCY STANDBY GENERATOR</u></b>				
3.1.1	Allow a provisional sum of R580 000.00 ( Five Hundred and Eighty Thousand Rand only), for the supply and delivery of a complete 180 kVA outdoor emergency inside an IP65 canopy/container set on a concrete plinth as specified in generator specification, to be used in part or whole, per Engineers discretion.	Prov. Sum	1	R 580 000.00	R 580 000.00
	Allow for Profit and attendance on item 3.1.1 above Installation and commissioning on item 3.1.1 above	% No.	1		
3.1.2	New Kiosk incl. c/o, controller & modem as per drawing provided Supply Install	No. No.	1 1		
3.1.3	Label equipment as prescribed in the wiring code	Item	1		
3.1.4	Compilation of Maintenance, Operational and Technical Manuals to the	No.	1		
3.2	<b><u>GENERATOR EARTHING</u></b>				
3.2.1	Supply and install earthing system as per specification and as required by Regulations.	Item	1		
	<b>TOTAL CARRIED FORWARD TO SUMMARY PAGE</b>				
4	<b><u>ELECTRICAL INSTALLATION</u></b>				
	<b><u>EXISTING SUPPLY</u></b>				
4.1	Disconnect the existing supply cable and re-connect (where necessary).	Sum	1		
	<b><u>LOW VOLTAGE SUPPLY CABLES</u></b>				
	Supply and install the following 600/1000V PVC/SWA/PVC cables with copper conductors to Sabs 1507 laid vertically or horizontally in conduiting or ducting or direct in accordance with the specification and drawings including fixing, termination measured elsewhere				
4.2	120mm <sup>2</sup> x 4 core PVC/PVC/SWA/PVC cable Supply Install Terminations	m m each	1 1 1		Rate Only Rate Only Rate Only
4.3	95mm <sup>2</sup> x 4 core PVC/PVC/SWA/PVC cable Supply Install Terminations	m m each	40 40 2		
4.4	70mm <sup>2</sup> bare copper earth wire Supply Install	m m	40 40		
4.5	100mm wide cable tray Supply Install	m m	10 10		
	<b>TOTAL CARRIED FORWARD TO SUMMARY PAGE</b>				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5	<b><u>DISTRIBUTION BOARDS AND SWITCHGEAR</u></b> <b><u>EXISTING MAIN DISTRIBUTION BOARD</u></b>				
5.1	Trace incoming cable outgoing circuits including cable sizes	Item	1		
5.2	Supply and install earthing system as per specification and as required by Regulations.	Item	1		
5.3	Label distribution boards as prescribed in the wiring code	Item	1		
	<b>Allow for the supply and installation of the following switchgear as per specification, and to the satisfaction of the engineer.</b>				
5.4	200 - 400 amp TP MCCB - 15kA	each	3		
	Supply	each	3		
	Install				
5.5	Housekeeping, sundry items, consumable stocks such as circuit beads engraving, labels, painting etc.	Sum	1		
5.6	Testing of complete installation in terms of the regulations	Each	1		
5.7	Provide Certificates of Compliance	Sum	1		
	<b>TOTAL CARRIED FORWARD TO SUMMARY PAGE</b>				
6	<b><u>MISCELLANEOUS</u></b>				
6.1	Supply and install A82 padlocks	Item	1		
6.2	Supply set of Warning Notices as per SANS and OHS specifications.	Item	1		
6.3	<b><u>TEST AND COMMISSION</u></b> Testing and Commissioning of a fully operational generating set to the Client and Engineers satisfaction including all the necessary test reports, test equipment, fuel etc.				
6.3.1	At the suppliers premises, prior to delivery to site	Item	1		
6.3.2	On site after completion of the installation	Item	1		
6.4	Decommissioning and relocation of existing generator to a DOE facility within 100km from site per the Clients or Engineers instruction.	Prov. Sum	1		
6.5	<b>THE FOLLOWING PRICE RANGES</b>				
6.5.1	Up to R100,000	%			
6.5.2	From R100,001 up to R250,000	%			
6.5.3	From R250,001 Up to R400,000	%			
6.5.4	From R400,001 and above	%			
	<b>TOTAL CARRIED FORWARD TO SUMMARY PAGE</b>				

**STUTTERHEIM HIGH SCHOOL ELECTRICAL**

**PRICE SUMMARY ESTIMATE**

<b><u>ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>TOTAL AMOUNT</u></b>
Bill No. 1	PRELIMINARIES AND GENERAL	_____
Bill No. 2	BUILDING WORK	_____
Bill No. 3	MECHANICAL INSTALLATION	_____
Bill No. 4	ELECTRICAL INSTALLATION	_____
Bill No. 5	DISTRIBUTION BOARDS AND SWITCHGEAR	_____
Bill No. 6	MISCELLANEOUS	_____
Subtotal		_____
Contingencies (5%)		_____
Subtotal		_____
VAT (15%)		_____
	<b>ELECTRICAL PRICE SUMMARY</b>	_____
	<b>TOTAL AMOUNT</b>	<b>=====</b>

**NAME OF FIRM:** .....

**TENDERER'S SIGNATURE** .....

**NAME IN PRINT** .....

**ADDRESS** .....

.....

.....

**DATE** .....

**TEL. NO.** .....

**FAX NO.** .....