

SBD 3.1

PRICING SCHEDULE – FIRM PRICES (PURCHASES)

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of bidder.....	Bid number.....
Closing Time 11:00am	Closing date.....

OFFER TO BE VALID FOR **84** DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY ** (ALL APPLICABLE TAXES INCLUDED)
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*The price that appears on this form is the one that will be considered for acceptance as **a firm and final offer.***

NOTE:

Tenderers are to note that they have to pressure test every item connected to the Gas Suppression System and provide compliant certificates.



CSD No.

CIDB No.

Name of tendering Entity above

Signature

Date

- Required by:
- At:
.....
- Brand and model
- Country of origin
- Does the offer comply with the specification(s)? *YES / NO
- If not to specification, indicate deviation(s)
- Period required for delivery
*Delivery: Firm / not firm
- Delivery basis

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

** "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

*Delete if not applicable

Signature of Bidder

Date

INSTALLATION OF A PV SYSTEM AT HIBERDENE SAPS ELECTRICAL INSTALLATIONS					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PV PANELS AND MOUNTING STRUCTURE				
	Supply, delivery, installation and commissioning of Solar Panels; Sigenergy Inverter, Lithium Iron Battery & a Gateway with communication system or similar, brackets, with brackets, angle supports, DBs, cabling and accessories for this installation.				
1	Supply and install 620w bi-facial Solar Panes on a tiled roof; enersol or equally approved, connections for two strings, panels with a gurantee of 10years & above.	Item	20		
2	Supply and install PV panel mounting equipment including rails, brackets, etc. the equipment must be corrosion-resistant. Contractor to submit the proposal to the engineer before installation.	item	1		
3	Supply and Installation of the lightning Protection and Earthing solar panels, including down-conductors and earth spikes by a Specialist Contractor. Earthing as per Soil Resistivity Test. Earthing of the Solar distribution boards. Allow for resistivity tests, reports and certificates for the this installation (Specialist)	Item	1		
	DC CABLES AND CONNECTORS				
4	Supply and install DC cables 6mm ²	m	100		
5	10mm ²	m	100		
6	Supply and install solar panel connectors compatible with the DC cables listed above. Connectors must be provided for the number of panels listed in item 1 above.	item	20		
	INVERTER, BATTERY, COMBINER BOX & GATEWAY				
7	Supply and install DC Combiner box, with all the necessary ancilliary equipment, IP65, the combiner box to allow for two (2) strings with all the protection devises.	ea	1		
8	Supply and install a 12 kW 1-phase Hydrid Inverter sigenergy or equally approved, it must be equipped with surge arrestors. It must be flexible for future additions such as battery connections & with IP65 minimum rating. Built in MPPT trancker for the strings, all the necessary accessories; including wall mounts with a 10 year gurantee	ea	1		
9	Supply and install a 9.0kW lithium-ion battery sigenergy or equally approved to suit the above inverter. The battery must come complete with battery disconnect& fuses. Install communication cables and configure the inverter and batteries to the desired depth of discharge. The sigenergy or other equally approved must allow for at least two additional batteries on the Rack. 10 year gurantee on these batteries	ea	2		
10	Supply and install a 24kW Gateway (Controller) Grid Type sigenergy or similar, it must have all the featuers to be configured with the above panels, inverter & battery. It must have smart features to manage the loads	ea	1		
11	Supply, install a Sigen or simmlilar communication module with a simcard. Any subscriptions & card must have a registration paid for the the contrator for five to ten year maximum.	ea	1		
	SUNDRY INSTALLATION MATERIALS				
12	Supply and install Sundry Installation Materials. These are other items not included in this document to complete the installation. The engineer is to be consulted before using the amount.	item	1		
	DISTRIBUTION BOARDS				
13	The contrator must fix the existing DB in CSC, the work includes replacing damaged or missing doors or cover plates, making neat existing wiring, replacing broken door locks, installing new labels, danger signs, updating legends, general cleaning, tightening of loose connections, and remounting DB panels.Repace blanks and re-configure board for solar installation	Item	1		
14	Supply and install a steel surface-mounted distribution board with front hinged door (40A; 6kA 1-phase main solar DB), IP 65. The contractor must also allow for all the necessary wiring accessories including busbars, mounting brackets, moving circuits and provide a single line schematic once the loads are confirmed by the Engineer, SUB-DB SOLA	item	1		
	SUPPLY AND INSTALL CIRCUIT BREAKERS AND EARTH LEAKAGE				
15	Allow for all the necessary mounting, connecting accessories,etc 10 - 40A, 6kA, Curve 2 SP	ea	6		
16	30-60A, 6 kA, Curve 2 DP	ea	3		
17	60 Amp, Double Pole earth leakage	ea	2		
18	Supply and install 4 pole 40kA surge arrester, type 1&2	ea	2		
19	Supply and install 1 pole 10kA surge arrester. type 1&2	ea	1		
CARRIED FORWARD				R	-

INSTALLATION OF A PV SYSTEM AT HIBERDENE SAPS ELECTRICAL INSTALLATIONS					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD					R -
20	issuing of CoCs for the DB modified in CSC, the Sub Db - SOLA & the entire solar installation i.e. inverter, batteries, communications, etc.	item	2		
SUPPLY AND INSTALL ISOLATORS					
21	Allow for all the necessary mounting, connecting accessories, etc 30-63A 6kA TP 400V AC	ea	1		
22	30-63A 6kA DP 230V AC	ea	2		
SUPPLY AND INSTALL CONDUCTS AND TRUNKING					
23	PVC conduit surface mounting in ceiling voids including bending, short lengths, draw boxes, couplings, bends, tees and saddles. P8000 75mmx75mm Trunking with covers	m	60		
24	20mm PVC Diameter Conduit	m	50		
25	Round 20mm PVC conduit box of one to four way with covers	ea	5		
26	25mm PVC Diameter flexible conduit/sleeve	m	30		
SUPPLY AND INSTALL SMALL POWER					
27	Allow for socket outlets to be replaced in CSC and label to read solar, colour to comply to PV standards.	ea	6		
SUPPLY AND INSTALL AC CONDUCTORS					
28	PVC insulated stranded copper conductors drawn into wireways and trunking including terminations and connections 10mm² x 1C PVC SWA ECC	m	25		
29	6mm² x Insulated Earth Wire ECC	m	25		
30	6mm² x 2C PVC SWA ECC	m	20		
31	4mm² x Insulated Earth Wire ECC	m	20		
32	2.5mm² PVC Cu	m	300		
GENERAL ITEMS					
33	Re-spray main DB and Sub DB Panels in CSC to match existing	ea	2		
34	Trace existing distribution boards circuits in CSC, isolate and remove cabling, circuits, for solar. Move circuits to a solar DB as per load requirements. Make good on the wiring on the existing CSC DB.	Item	1		
35	The contractor to design this system, sign off by a registered engineer & register this installation with ESKOM or Municipality for SSEG installation. Also allow for As Built drawings for the electrical installation, including the solar system.	Item	1		
36	Undercoat & Painting of the internal wall surfaces to match the existing	m²	10		
37	Allow for roof tiles if any are damaged, it must match the existing	Item	20		
38	The contractor to seal all the joints and holes made for the solar panel brackets on the roof to support the rail for panels	Item	Sum		
Sub-total					R -
15% Vat					R -
TOTAL					R -