

HP PETROL PUMP (MALWA- KUNDL-SONIPAT)-4KW

125

Part A General Scope

Sl. No	Name of Work	S/I/O	Unit	Rate/ Unit	Qty	Total	Remarks
1	Services related to Supplies made by BHEL						
	Material Handling and Safe Keeping upto Installation and Handing Over to customer. Complete details as per Technical spec.	O	KW	0	4	2	
2	Installation of BHEL supplied items :						
(a)	PV Modules	I	Nos	0	14	1	
(b)	Inverter	I	Nos	3	1	3	
(c)	ACDB (10-100KWp) - for Charger	I	Nos	2	1	2	
(d)	DCDB (10-100KWp)	I	Nos	2	0	0	
3	Structure Aluminum / Steel						
3 (a)	Installation of structure for module mounting on rooftop/Tin shed	I	per Module	0	14	2	
4	Civil Pedestal						
a	Pedestal - PCC Blocks generally of Size 300*300*300 mm or more. Other support block sizes as per approved design may also be taken.	S&I	M3	5	2.5	12	
6	Cable Laying						
6a	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.						
6a1	16 Sq mm to 35 sq.mm AC	I	RMT	0	20	0	
6a2	6x4 Sq mm DC to 8x4 Sq mm DC	I	RMT	0	50	1	
6c	<u>Cable Laying rates in case excavation to be done</u> Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.						
6c1	16 Sq mm to 35 sq.mm AC	I	RMT	0	30	2	
7	Supply & Installation of Conduits along with all accessories for Laying of Cable through it. Supplying and fixing of following sizes of DWC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
7d	50 mm	S&I	RMT	0	20	1	
8	Supply of Trey for Cable Laying						
8a	2.5-6 sq.mm	S&I	RMT	0	30	1	
9	Supply and installation of Earthing Strip						
9a	25x5 mm GI Strip	S&I	RMT	0	30	2	
10	Supply & Installation of Lightning Arrestor	S&I	1No.	2	1	2	
11	Supply of Earthing Material and installation after making of Suitable pit as per standard.						
11a	For chemical Earthing/ Conductor Earthing (Pipe)	S&I	1No.	2	7	13	
12	TESTING						
12a	Electrical Test						
12a1	String Voltage Measurement	O	KW	0	4	0	
12a2	Earth Resistance Measurement as per specification	O	KW	0	4	0	
12b	Final Installation Checks						
	LT Panel/ AC distribution Board Voltage & Current Checks	O	KW	0	4	0	
14	Name Plates	S&I	Nos.	0	2	0	
Part B Special Scope							
1	Installation of BHEL supplied items :						
(a)	Isolation Transformer	I	Nos	3	1	3	

Ames

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12	Grid Integration & start of Net Metering of Solar PV System by after getting all approvals, calibration through state department details attached as per scope for 10-100KW .	O	1No.	5	1	5	
13	Supply of Bidirectional Meter and Installation of the same.						
13c	Whole Current LT Meter(0.5s Class)	S&I	No	3	1	3	
14	Supply and Installation of Solar Meter						
14b	Whole Current LT Meter(0.5s Class)	S&I	No	3	1	3	
16	Fire fighting equipment						
	Portable Fire extinguisher	S&I	1Set	3	1	3	
Part C Items not covered in Part-A&B							
Items Covered Under Part C							
1	AC CABLE (COPPER) Inverter to ACDB						
1 (a)	Size : 4Cx10 SQM	S	RMT	0	5	0	
2	String Inverter						
2 (a)	5 KWp 3 Phase	S	No	22	1	22	
3	AC CABLE (ALUMINIUM) From ACDB to distribution board						
3 (a)	SIZE-4Cx16 SQMM	S	RMT	0	20	1	
4	DCDB						
4 (a)	5 KWp (suitable for 4KW only)	S	No	2	1	2	
5	ACDB						
5 (a)	5 KWp (Suitable for 4 KW only)	S	No	2	1	2	
6	Road Cutting	O	Mtr	0	5	1	
7	Supply of DC cable (4 Sqmm CU DC cable)	S	Mtr	0	150	1	
8	Support Structure for Module Mounting - Galvanised	S	Kg	0	250	6	
Total						100	
Offered Price Without GST						100.00	Bidder to Fill final price
GST @18%						18	
Total Cost						118	

Assumed