

Solar Based EV charging station at EMPI-25kWp

Sl. No	Name of Work	S/I/O	Unit	Qty	Rate/ Unit	Total	Rate/ Unit after Bidder's offer	Final offered price by Bidder
Part A	General Scope							
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	25	955	23885	955	23885
2	Installation of BHEL supplied items :							
(a)	PV Modules	I	Nos	80	257	20557	257	20557
(b)	Inverter (10-100KWp)	I	Nos	1	7832	7832	7832	7832
(c)	ACDB/ACCB (10-100KWp)	I	Nos	2	3940	7879	3940	7879
3	Structure Aluminum / Steel							
a	Installation of Structure for Module Mounting on rooftop/Tin Shed.	I	Per Module	80	349	27904	349	27904
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	9	12008	108073	12008	108073
5	Monitoring of System Performance							
	Data logger as per specification	S&I	1Set	1	16850	16850	16850	16850
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	10	28	278	28	278
6a2	6x4 Sq mm DC to 8x4 Sq mm DC	I	RMT	40	28	1112	28	1112
6b	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.							
6b1	16 Sq mm to 35 sq.mm AC	I	RMT	30	33	986	33	986
6b3	Above 35 Sq mm to 95 sq.mm AC	I	RMT	30	88	2629	88	2629
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	60	141	8442	141	8442
6c3	Above 35 Sq mm to 95 sq.mm AC	I	RMT	70	152	10674	152	10674
7	Supply & Installation of Conduits along with all accessories for Laying of Cable through it. Supplying and fixing of following sizes of medium class HDPE/uPVC 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	100	110	10953	110	10953
8	Supply of Tray for Cable Laying							
8a	2.5-6 sq.mm	S&I	RMT	20	94	1887	94	1887
8c	50-95 sq.mm	S&I	RMT	20	143	2865	143	2865
9	Supply and installation of Earthing Strip							
9a	25x5 mm GI Strip	S&I	RMT	100	174	17356	174	17356
10	Supply & Installation of Lightening Arrestor	S&I	1No.	2	4550	9099	4550	9099
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.	8	4472	35776	4472	35776
12	Name Plates	S&I	Nos.	1	232	232	232	232
Part B	Special Scope							
1	Installation of BHEL supplied items :							
(a)	Isolation Transformer	I	Nos	1	6740	6740	6740	6740
2	Integration with existing DG supply (Synchronization with DG set) - Supply of required kit and Installation							
a	Rating above 16KW - 50 KW	S&I	1Set	1	88500	88500	88500	88500
6	Fire fighting equipment							

Solar Based EV charging station at EMPI-25kWp

Sl. No	Name of Work	S/I/O	Unit	Qty	Rate/ Unit	Total	Rate/ Unit after Bidder's offer	Final offered price by Bidder
a	Portable Fire extinguisher	S&I	1Set	2	8425	16850	8425	16850
Part C	Items not covered in Part-A&B							
Items Covered Under Part C								
1	String Inverter							
1 (a)	30 kWp	S	No	1	170152	170152	170152	170152
2	ACDB							
2.1	30 kW	S	No	1	21087	21087	21087	21087
5	Support Structure for Module Mounting - Galvanised	S	Kg	5500	66	363000	66	363000
6	DC cable 1Cx4sqmm	S	RMT	500	26	13089	26	13089
7	AC Cables Cu							
a	4Cx16 sqmm	S	RMT	10	392	3921	392	3921
8	AC Cables AL							
a	3.5Cx35 sqmm	S	RMT	100	159	15900	159	15900
b	3.5Cx70 sqmm	S	RMT	110	244	26875	244	26875
Total						1041380		1041380

Offered price above or Below					Below		
in Percentage (%)					0.00%		

Total Price of Bidder					1041380		
GST Rate as Follows							
5% on 70% of the total Value					36448		
18% on 30% of the total Value					56235		
Total Price Including GST					1134063		

Note:

Quantity mentioned in BOQ is a lump sum quantity. Payment shall be made based on actual measurement done after completion of work. Variation of +10% change in BOQ Quantity (on overall value basis) is acceptable. Bidder to take prior approval from BHEL-CFP for this variation clause.