

**IOCL- Bharat-15kWp**

84.25%

Sl. No	Name of Work	S/I/O	Unit	Qty	Rate/ Unit as per frame work	Rate/ Unit	Total	Rate/ Unit after Bidder's offer	Final offered price by Bidder
<b>Part A</b>	<b>General Scope</b>								
<b>1</b>	<b>Services related to Supplies made by BHEL</b>								
	Material Handling and Safe Keeping upto Installation and Handing Over to customer. Complete details as per Technical spec.	O	KW	15	1134	955	14331	955	14331
<b>2</b>	<b>Installation of BHEL supplied items :</b>								
(a)	PV Modules	I	Nos	51	305	257	13105	257	13105
(b)	Inverter (10-100Kwp)	I	Nos	1	9296	7832	7832	7832	7832
(c)	ACDB/ACCB (10-100Kwp)	I	Nos	1	4676	3940	3940	3940	3940
<b>3</b>	<b>Structure Aluminum / Steel</b>								
a	Installation of Structure for Module Mounting on rooftop/Tin Shed.	I	Per Module	51	414	349	17789	349	17789
<b>4</b>	<b>Civil Pedestal</b>								
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	3	14253	12008	36024	12008	36024
<b>5</b>	<b>Monitoring of System Performance</b>								
	Data logger as per specification	S&I	1Set	1	20000	16850	16850	16850	16850
<b>6</b>	<b>Cable Laying</b>								
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	33	28	278	28	278
6a2	6x4 Sq mm DC to 8x4 Sq mm DC	I	RMT	20	33	28	556	28	556
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	10	39	33	329	33	329
6b3	Above 35 Sq mm to 95 sq.mm AC	I	RMT	30	104	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	40	167	141	5628	141	5628
6c3	Above 35 Sq mm to 95 sq.mm AC	I	RMT	70	181	152	10674	152	10674
7	<b>Supply &amp; Installation of Conduits along with all accessories for Laying of Cable through it.</b> 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	130	110	10953	110	10953
<b>8</b>	<b>Supply of Tray for Cable Laying</b>								
8a	2.5-6 sq.mm	S&I	RMT	0	112	94	0	#DIV/0!	0
8c	50-95 sq.mm	S&I	RMT	20	170	143	2865	143	2865
<b>9</b>	<b>Supply and installation of Earthing Strip</b>								
9a	25x5 mm GI Strip	S&I	RMT	100	206	174	17356	174	17356
<b>10</b>	<b>Supply &amp; Installation of Lightening Arrestor</b>	S&I	1No.	2	5400	4550	9099	4550	9099
<b>11</b>	<b>Supply of Earthing Material and Installation after making of Suitable pit as per standard.</b>								
11a	For chemical Earthing/ Conductor Earthing (Pipe)	S&I	1No.	10	5308	4472	44720	4472	44720
<b>12</b>	<b>Name Plates</b>	S&I	Nos.	1	275	232	232	232	232
<b>Part B</b>	<b>Special Scope</b>								
<b>1</b>	<b>Installation of BHEL supplied items :</b>								
(a)	Isolation Transformer	I	Nos	1	8000	6740	6740	6740	6740
<b>2</b>	<b>Integration with existing DG supply (Synchronization with DG set) - Supply of required kit and Installation</b>								
a	Rating above 1KW - 15 KW	S&I	1Set	1	53100	53100	53100	53100	53100
<b>6</b>	<b>Fire fighting equipment</b>								
a	Portable Fire extinguisher	S&I	1Set	2	10000	8425	16850	8425	16850
<b>Part C</b>	<b>Items not covered in Part-A&amp;B</b>								
	<b>Items Covered Under Part C</b>						96.95%		
<b>1</b>	<b>String Inverter</b>								
1 (a)	15 Kwp	S	No	1	0	121988	121988	121988	121988
<b>2</b>	<b>ACDB</b>								
2.1	15 kW	S	No	1	0	21087	21087	21087	21087

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5	Support Structure for Module Mounting - Galvanised	S	Kg	1000	0	66	66000	66	66000
6	DC cable 1Cx4sqmm	S	RMT	500	0	26	13089	26	13089
7	AC Cables Cu								
a	4Cx16 sqmm	S	RMT	10	0	392	3921	392	3921
8	AC Cables AL								
a	3.5Cx35 sqmm	S	RMT	50	0	159	7950	159	7950
b	3.5Cx70 sqmm	S	RMT	100	0	244	24431	244	24431
<b>Total</b>							<b>550343</b>		<b>550343</b>

<b>Offered price above or Below</b>					<b>Above</b>		
in Percentage (%)					<b>0.00%</b>		

<b>Total Price of Bidder</b>					<b>550343</b>		
<b>GST Rate as Follows</b>							
5% on 70% of the total Value					19262		
18% on 30% of the total Value					29719		
<b>Total Price Including GST</b>					<b>599324</b>		

**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.