

Civil Asset.

10 MW (AC) SPV Plant at Santaldih, Purulia, WB

1	2	3	4	5	6
Sl. No	Description	Unit	Qty	Total Price (INR)	Adding 10 % escalation(INR)
1	Module Mounting Structures				
	MMS Column	Nos	6900	34142680	37556948
	MMS Rafter	Nos	6900		
	Purlin 1	Nos	6640		
	Purlin 2	Nos	6640		
	Purlin 3	Nos	6640		
	Sag Angle	Nos	10480		
	Barcing 1A	Nos	10480		
	Barcing	Nos	6900		
	Purlin Splice	Nos	13280		
	Column plate	Nos	6900		
	Purlin 4	Nos	520		
	MMS Accessories and related civil works	AU	1	11365852	12502437
2	illumination system	Set	1	440000	440000
3	Fire Protection System	Set	1	550000	550000
4	Module cleaning arrangement	AU	1	1650000	1650000
5	Control Room	AU	1	7198428	7918270.8
6	33 kV Switchyard (mention cumulative Price)			6198428	6818270.8
	33 kV Outdoor Metering CT	Nos	1		
	33 kV Outdoor Metering PT	Nos	1		
	33 kV Drop out fuse	Set	1		
	Metering panel	Nos	1		
	Lightning arrestors	Nos	12		
	33 kV outdoor Termination kits	Nos	11		
	33 kV outdoor Termination kits	Nos	8		
	CMRI meter	Nos	2		
7.0	fencing across the perimeter	set	1	7678324	8446156.4
8	Any other equipment(s)/work(s) not mentioned but required for the plant (mention separately)	Set	1	6212851	6834136.1
	LT Cables	Set	1		
	Control Cables	Set	1		
	Instrumentation Cable	Set	1		
	Cable Tray	Set	1		
	TOTAL CIVIL			75196563	82716219.3

Value : Inclusive of Tax.

Vas
23/3/23

23/3/23

Electrical Asses

CUSTOMER: WBSEDCL, Kolkata					
PROJECT	10 MW (AC) SPV Plant at Santaldih, Purulia, WB				
1	2	3	4	5	6
Sl. No	Description	UNIT	Qty	Total Price (INR)	Adding 10 % escalation
1	SPV MODULE 24 V / 300 W MIN. PMAX - MTO	kW	10800.000	340080964.00	374089060.4
2	Array Junction Box (SMB)	Nos	80	5612154.00	6173369.4
3	Solar Central Inverter	Nos	8	29523842.00	32476226.2
4	Three Winding Transformer	Nos	4	11137019.00	12250753.9
5	33 KV Switchgear				0
	33kV Circuit Breaker (PCVCB)	No	9	10347818.00	11382599.8
	33kV, Single Phase CTs	No	27		
	33kV Single Phase PTs	No	9		
	Control Panel for 33kV Breakers	No	9		
	Spare 33kV Circuit Breakers (PCVCB)	No	2		
	Mandatory Spares	Set	1		
	33 KV switchgear Accessories	Set	3		
6	Solar Copper cables (6 sq.mm)	Set	1	3763306.00	4139636.6
7	Other DC cables	Set	1	7679901.00	8447891.1
8	AC Cables from Solar inverter to Three Winding Transformer	Set	1	887683.00	976451.3
9	33 kV XLPE Cable from Three Winding Transformer to Switchyard	Set	1	1365532.00	1502085.2
10	Auxiliary Transformer	Set	2	596826.00	656508.6
11	LT Switchgear				0
	ACDB panel in Control room	Nos	1	238731.00	262604.1
	DB panels in Inverter rooms	Nos	2		
	5 kVA UPS	Nos	3		
12	DC Battery, Battery Charging Equipment and DCDB			411146.00	452260.6
	Battery bank 110V, 125 AH	Set	1		0
	Battery charger 125V, 2S A with DCDB	Set	1		0
13.0	WEATHER STATION		1	1193653.00	1313018.3
	Pyranometer	Nos	2		
	Anemometer	Nos	1		
	Ambient temp sensor	Nos	1		
	Module temp sensor	Nos	1		
	Data logger	Nos	1		
	OFC	M	1		
	OFC Accessories	Set	1		
14	Protection System	Set	1	550000	550000
15	Earthing System	Set	1	332490.4	332490.4
16	Control Monitoring and Data Acquisition system (SCADA)	Set	1	4720002	5192002.2
	TOTAL SUPPLY			412447216.00	453691937.6

Value: Inclusive of Tax

23/3/23.

23/3/23