

Annexure .

ASSET: Civil

LOA No.: SPGD/LOA/10MW SPVPP/Sankrail/Erection/65/234


LOA Date: 07.10.2020

EPC Contractor: Lumino Industries Ltd., Kolkata.

Sl. No.	Item description	UOM	Quantity	Value(INR)
1	Buildings for Sub Station, Office & Control Room, Security Hut, Watch tower, Sewage System / Wash room ,Store , etc			1,20,50,000.00
	Construction of MCR	Lot	Lot	
	Construction of LCR	Lot	Lot	
	Security Room	Lot	1 Lot	
	Watchman Cabin	Lot	2 Nos	
	MMS Foundation	Nos	5753 Nos	1,53,78,895.00
2	Foundation for Transformers, CT, PT, C & R panel & all the other equipments			28,61,129.00
	Transformers	Lot	1 Lot	
	CTs	Lot	1 Lot	
	PTs	Lot	1 Lot	
	C & R Panels	Lot	1 Lot	
	Auxilliary Transformer	Lot	1 Lot	
	VCB, LA, Isolator	Lot	1 Lot	
3	Approach & Internal road/Pathways	LS	LS	12,76,059.00
4	Cable Trenches(Buried & RCC)	LS	LS	6,76,059.00
5	Boundary Wall With Fencing & Sub-Station Fencing,River embankment			1,14,46,207.00
	Boundary Wall With Fencing & Sub-Station Fencing	Mtr	2,775.00	
	River Embankment	Mtr	885 Mtr	
6	Module Cleaning System comprising of pump set, pipes and other plumbing materials for making the system complete.	Lot	1.00	27,162.77

Total value : 4,37,15,512 INR

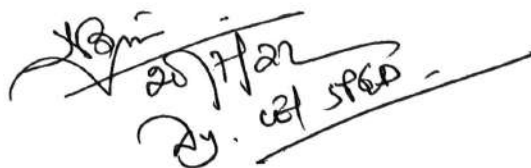
Add: GST as applicable.


 17/6/22
 Superintending Engineer (E)
 Solar Power Gen. Deptt.
 WBSEDCL

checked and
 verified
 Date
 27.06.2022

Adding GST @ 13.8% ,

Value comes to: Rs. 4,97,47 Cr.


 20/7/22
 Jy. cet SPGD

ASSET:Electrical				
LOA No.: SPGD/LOA/10MW SPVPP/Sankrail/Material Supply/2018-19/65/233				
LOA Date: 07.10.2020				
EPC Contractor: Lumino Industries Ltd., Kolkata.				
Sr. No.	Description	UOM	Installed Quantity	VALUE(INR)
1	Crystalline SPV modules including 50Nos spare.	KW	31430 Nos	283727533
2	Hot Dip Galvanised MMS	KG	663068 KG	76806210
3	SCADA Compatible SCB/SMB including 02 Nos spare.	Nos	42 Nos	7712478
4	Grid Interact Inverter/PCU	Nos	5 Nos	33032398
5	SCADA & remote monitoring system comprising of computers, VDU, PLC's, I/O relays, meters, fields sensors, panels/cubicles for housing the equipment/devices, power supplies, transducers, converters, wiring etc., to make the system complete.	Lot	1 Lot	2083123
6	Weather Monitoring Station accessories comprising of temperature sensors with radiation protection, temperature sensors in the module, solar radiation sensor, wind speed and direction sensor, raingauge, datalogger etc, to make the system complete.	Lot		1905918
	Data logger		1 Set	
	UPS panel		1 Nos	
	BELDEN 0.5sqmm x 2 RS485 Cable		420 Mtr	
	MCR panel		1 Nos	
	Ritika Systems 200W PV Module		1 Nos	
	Pyranometer 4-20 MA 10M 0		3 Nos	
	SMP 10 MNT ARRANGEMENT K-4239		1 Nos	
	Cable Jointer Box K- 2767-1		6 Nos	
	WS-500 UMB 8373		1 Nos	
	8353 10 Rain Sensor WTB100-USE		1 Nos	
	RK220-01 RS485 Module Temp		3 Nos	
	Tilt Kit Mounding		1 Nos	
Temp Sensor Calibration - NABL	3 Nos			
MNT MAST 3.5M-TATA POW K-4199	1 Nos			
7	Power Evacuation System			35,95,684.00
	Potential Transformer	Nos.	6 Nos	
	Current Transformer	Nos.	15 Nos	
	33 KV LA	Nos.	15 Nos	
	Circuit Breaker(VCB)	Nos.	4 Nos	
	33KV Isolator	SET	7 SET	
33KV C & R Panel	Nos	4 Nos		
8	Energy Meter(Import/Exp)	Nos	2 Nos	266152
9	DCDB	SET	2 Set	50,000.00
	ACDB	SET	2 Set	
10	3 phase Step-Up Multi-Winding Power Transformer with all accessories	Nos	3 Nos	12548316
11	33/0.415KV Aux.Transformer	Nos	1 No.	1885918
12	Cable			1,59,94,724.00
	6sq.mm. Cu Solar Cable	Lot	31350 Mtr	
	300/400 XLPE Arm. Al. DC	Lot	3130 Mtr	
	400/300 sq.mm. LT AC Cable	Lot	21499 Mtr	
	300sq.mm. 33KV HT cable	Lot	494 Mtr	

Handwritten signature and date: 20/11/2020

ASSET:Electrical				
LOA No.: SPGD/LOA/10MW SPVPP/Sankrail/Material Supply/2018-19/65/233				
LOA Date: 07.10.2020				
EPC Contractor: Lumino Industries Ltd., Kolkata.				
Sr. No.	Description	UOM	Installed Quantity	VALUE(INR)
13	Battery Bank & Battery Charger			
	30V Battery Bank	SET	15 Nos	21,11,836.00
	30V Float Cum Boost Charger	SET	1 Set	
14	Earthing system complete in power plant			
	PV Array Earthing materials comprising of Earthing Strips, Earth Electrodes, Earthing Cables etc. to make the system complete.	Lot	1 Lot	18,55,918.00
Switchyard Earthing materials Earthing Strips, Earth Electrodes, etc. to make the system complete.	Lot	1 Lot		
15	Fire Fighting Equipments, Fire Extinguishers, CO2 extinguishers, Rubber Mats, Danger Plates, Name Plates and all other related			
	DCP type Fire Extinguisher - 9KG Portable	Lot	9 Nos	37162
	CO2 operated Fire Extinguisher - 9KG Portable		9 Nos	
	Foam type Fire Extinguisher - 45KG (Wheel type)		1 nos	
	Fire Alarm Panel - 2 zone		2 Nos	
	Manual Break Call Unit		2 Nos	
	Fire Alarm system Hooter / Horn		2 Nos	
	04 Nos. GI Fire Bucket of 10 ltr. Capacity with stand & canopy		5 Set	
	Multi-sensor below ceiling		10 Nos	
	Heat Detector		3 Nos	
	Signal Direction type sign board		5 Nos	
Multi-sensor with response indicator (above false ceiling)	2 Nos			
17	Illumination System of solar plant area consisting of Light fixtures in and out of Buildings, Street light poles and fixtures, and other accessories to make the system complete			
	40 W Capsule LED Fixture & Light	Lot	36 Nos	11,29,848.00
	23 W LED Street Light Wall Mount		6 Nos	
	15 W Recessed Mounted Fixture & Light		6 Nos	
	30 W Recessed Mounted Fixture & Light		3 Nos	
	60 W LED Street Light Wall Mount		8 Nos	
	Exhaust Fan 450x450 mm		7 Nos	
	35 W LED light		150 Nos	
140 W LED Flood Light	20 Nos			
18	Surveillance System comprising of Bullet Camera, PTZ camera, mounting poles, Junction Boxes, CCTV Racks, cables, display etc. to make the system complete			
	2MP PTZ Camera	Lot	3 Nos	77162.77
	2MP Bullet Camera		4 Nos	
	16Ch 4K Dual HDD NVR		1 Nos	
	8 PORT POE SWITCH		2 Nos	
	Single Mode fiber converter		8 Nos	
	PTZ Camera Adapter		3 Nos	
	Weather Proof Outdoor Metal Junction Box		4 Nos	
	PTZ Controler With Joystick		1 Nos	
	CCTV Accessory LIU		6 Nos	
	Network Rack		1 Nos	
	Power Distribution Unit		5 Nos	
	Cooling Fan for Rack		2 Nos	
	Hdmi Cable		1 nos	
	Recording Media		2 Nos	
PTZ Camera Stand	3 Nos			

-total : Rs. 44,48,200/-

⊕ GST : 13.8% : Rs. 50,62,050/-

Handwritten signature and date:
 20/7/22
 S. C. SPGD



West Bengal State Electricity Distribution Company Limited

(A Government of West Bengal Enterprise)

Solar Power Generation Department

Data Centre Complex (3rd Floor), Newtown, Action Area -IA, Kolkata -700156

Phone: 033 2334 5853/5821/5022, Fax: 033 2321 2584

Website: www.wbsedcl.in, e-mail: solar.wbsedcl2018@gmail.com

CIN: U40109WB2007SGC114473

Memo No: SPGD/10MW SPV PP/ Sankrail/Lumino/ 278

Date: 28.07.2022

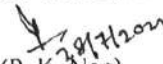
COMPLETION CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that M/S Lumino Industries Ltd. having registered office at: Acopolis 12th Floor, 1858/Rajdanga Main Road, Kolkata-107 has installed and commissioned a grid connected 10 MW capacity Solar Photovoltaic Power Plant at : Chaupal & Kasturia Mouza, Block-Sankrail, District- Jhargram, WB. M/s Lumino Industries Ltd. has executed the project for "Design and Engineering, Manufacturing/ Procurement , Testing , Inspection, Supply and Delivery of Materials and Equipment, Installation , Testing and commissioning including Warrantee obligation with 05(five) years Comprehensive Operation & Maintenance of 10 MW(AC) Solar PV Power Project" at Sankrail, Jhargram vide LOA no. SPGD/ LOA/ 10 MW SPV PP/ 2018-19/65/233, 234 & 235 dated 07/10/2020 of the Chief Engineer, SPGD, WBSEDCL at an order value: 48.9943809 Cr. INR.

The plant has been commissioned successfully on 12.04.2022, OAT (Operational Acceptance Test) completed successfully on 25.05.2022 with Grid connectivity. Hence, "zero" date of commencement of (O&M) be taken on and from 26.05.2022.

Thus the project has been completed in all respect on 25.05.2022.


(P. K. Nag)
Chief Engineer,
Solar Power Generation Department,
WBSEDCL



