

FINANCIL BID

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Tender Reference No. _____

NAME OF WORK: DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING WITH FIVE YEARS COMPREHENSIVE MAINTENANCE CONTRACT OF 350 kWp GRID CONNECTED SOLAR POWER PLANT (NET METER) WITH ELEVATED WEATHER SHADE AT YASHWANTRAO CHAVAN ACADEMY OF DEVELOPMENT ADMINISTRATION STATE OF MAHARASHTRA

SN	Item Description	Unit	Total Capacity of SPP to be installed	RATE In Figures per Kw of SPP, to be entered by the bidder Excluding Taxes. (Rs.)	Total Amount With Including all Taxes (Rs.)
1	DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING WITH FIVE YEARS COMPREHENSIVE MAINTENANCE CONTRACT OF 350 kWp GRID CONNECTED SOLAR POWER PLANT (WITH NET METER) WITH ELEVATED WEATHER SHADE AT YASHADA.				
	TOTAL OFFER COST INCLUDING ALL TAXES (In Figures)				

Total offer cost (in words) _____

Signature and Seal of Bidder

Name of Work: E-Tender for DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING WITH FIVE YEARS COMPREHENSIVE MAINTENANCE CONTRACT OF 350 kWp GRID CONNECTED SOLAR POWER PLANT (NET METER) WITH ELEVATED WEATHER SHADE AT YASHADA					
Sr. No.	Particulars	Quantity	Unit	Rate/Unit (In Rs.)	Amount (In Rs.)
1	Solar Panels: High performance solar Mono Perc module 25 yrs performance warranty Rating 540 Wp and above (Make: Renewsys, Waaree, Vikram Solar, Goldi, Aadani) (For 350 KW of Solar System)	650	Panels		
2	Solar PV 3P String Grid Inverter with Online Monitoring System (For 350 KW of Solar System) (Make: Growatt, Sofar Solar, Sungrow, Fronius)				
2.1	100Kw-3Ph, Capacity - 100 Kw 3 Ph, Solar Grid Tie Inverter with Wi-fi for remote monitoring to be installed on Library Building.	2	Inverter		
	50 Kw-3Ph, Capacity – 50 Kw 3 Ph, Solar Grid Tie Inverter with Wi-fi for remote monitoring to be installed on Library Building.	1	Inverter		
2.2	100Kw-3Ph, Capacity - 100 Kw 3 Ph, Solar Grid Tie Inverter with Wi-fi for remote monitoring to be installed on Auditorium/Sanwaad Building.	1	Inverter		
3	Solar PV Elevated Structure				
3.1	Structure Drawing: Provide solar structure drawing from approved RCC Consultant for 140 km/hr windspeed	1	Unit		
3.2	Labour: The structure erected shall be 16-20 Ft height for library Building and 12-14 Ft for Admin/ Sanwaad Building (<i>with a slope pointing towards south direction</i>) on which solar panels shall be placed. (Place of Work: Library and Admin/Sanwaad Buildings)	21450	Sq. ft.		
3.3	GS Material: The structure shall have: 100x100x4mm Square Pipes as Beams, 100x50x3mm (Outer Length) and 50x50x3mm (Inner Braces) Square Pipes as Truss and 80x40x3mm Square Pipes as Perlins to withstand weight of panels. The structure shall be Galvanized 80 Microon Certified by Galvanized Company (Make: Apollo/JSW/Tata Steel India)	30500	Kg		
3.4	Weather Sheet: The structure shall be covered with 0.5mm tickness galvanized and color coated sheet (Make: JSW/AM-NP/Tata) to act as weather shed	10419	Kg		
3.5	Accessories: Includes Welding accessories like cutting wheels, Welding rods, Screw fittings, Anchor bolts and Chemicals (Make: Fischer/Hilti), Base Plates, Wirings, Boards, etc.	1	Job		
3.6	Painting: The entire structure shall be coated with Zinc Oxide and Epoxy Industrial Paint (Make: Asian/Berger/Dulux Paints) with 2 coats with warranty of 5 years.	15	Drum		
3.7	Dead Load Blocks: 400x400 mm RCC Blocks, Nito Bond for Surface to Surface Bonding	250	Units		
4	Solar Panel Fittings: Includes Aluminium Railings, U and Z Clapms (30mm), Springs, Nut Bolts (38mm)				
4.1	Aluminium Railings (Size 12" inches length, 35mm width, 5 mm Thickness)	1	Pieces		
4.2	U Clamp (30 mm Depth, 5mm Thickness)	1	Pieces		
4.3	Z Clamp (30 mm Depth, 5mm Thickness)	1	Pieces		
4.4	Spring Nuts SS 304	1	Pieces		
4.5	SS 304, 38mm Length Bolts	1	Pieces		
5	Electrical Distribution Boxes				
5.1	Direct Current Distribution Box (DCDB): SPDs (Make: Finder/Phoenix) and MCBs (Make: ABB/Schneider) Junction Boxes (Body: Metal)	2	Box		

5.2	Alternating Current Distribution Box (ACDB): Inbuilt Phase Detection Cutoff (Make: ABB/Schneider) and MCCBs (Make: ABB/Schneider) Junction Boxes (Body: Metal)	2	Box		
5.3	Bus Bar Box (4 In, 1 Out)	1	Box		
6	AC Cables (Make: Polycab/Havells)				
6.1	Library Building: 95 Sq. mm, 3.5C Aluminium Armoured Cable (for 100 KW X 02 Solar Systems)	200	Meter		
6.2	Library Building: 50 Sq. mm, 3.5C Aluminium Armoured Cable (for 50 KW X 01 Solar Systems)	200	Meter		
6.3	Administrative Building: 95 Sq. mm, 4C Aluminium Armoured Cable (for 100 KW X 01 Solar Systems)	100	Meter		
6.4	Net-Meter cable: 300 Sq. mm , 4C Aluminium Armoured Cable	100	Meter		
7	DC Cables (Make: Polycab/Havells)				
7.1	4 Sq. mm, 1C UV protection	3000	Meter		
7.2	6 Sq. mm, 1C UV protection	1000	Meter		
8	Electrical Accessories: Includes MCBs, MC4 Connectors, Electrical Fittings, 20 mm PVC pipes, 30 mm PVC Pipes, Electrical Points, etc.	1	Job		
9	Earth Boring, Earthing Kit Copper Coated, Lightning Arrestor & Earthing Cable/Galvanized strips (25x3)	1	Job		
10	Electrical Fitting	1	Job		
11	CMC for 5 Year (1 year guarantee peroid and 4 year CMC)	350	KW		
12	Miscellaneous Fittings/Expenses	1	Job		
13	Panel Cleaning System for Solar Panels includes (1 HP Pump 3 Nos.), with 2 Water Tanks (1000 and 2000 Litres each) with Stand, Flexible Pipe and Cleaning Brushes (4 Nos.)	1	Job		
TOTAL COST OF PROJECT (EXCL. OF GST)					
GST:					
A. GST @12% for Panels and Inverters					
B. GST @18% for Rest of Project					
TOTAL COST OF PROJECT (INCL. OF GST)					
SAY					
	In Words :				

Note : If calculations of above Schedule B sheet are calculated wrongly, it will be recalculated at the time of finalisation of tender for finalisation of L1. □

Stamp & Sign of Firme