



OFFICE OF THE MUNICIPAL COUNCIL, BALASORE

Tel & Fax No. 06782-251222

E-mail:- balasoremunicipality@rediffmail.com

No. 3264

Dt. 02/05/2023

QUOTATION CALL NOTICE

The Executive Officer, Balasore Municipality on behalf of Balasore Municipal Council, Balasore invites sealed quotation from intending Supplying Farms/ Supplier/ Reputed farm for **"Installation of 5kw off grid Solar Power Plant along with supplying , fitting, Fixing of 100 no 20Watt Ceiling Light for Vending Zone near ITI Square of Balasore Municipality."** as per the following specifications. The details can be download from official website of Balasore District, <http://baleswar.nic.in>.

QUOTATION SCHEDULE
SPECIFICATION

SL NO	ITEM	DESCRIPTION
1	PV ARRAY	The Module having capacity above 300Wp shall be provided in the array to obtain the required array power output.
		Modules supplied with the SPV water pumping systems have certificate as per IEC 61215 specifications or equivalent National or International/ Standards.
		Modules must qualify to IEC 61730 Part I and II for safety qualification testing.
		PV module used in solar power plant must be warranted for output wattage, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years
		Indigenously produced PV modules containing Mono/Multi-crystalline silicon Solar cell shall be used.
		Adequate anti-theft fittings will be provided for each panel.
2	MODULE MOUNTING STRUCTURES	Module mounting structures will be non-invasive type. cater to a minimum of 200 km/hr. wind speed.
		The structure shall be Hot Dipped galvanized with minimum coating thickness of 80 micron.
		All nuts and bolts will be made of very good quality and will be corrosion resistant
		The structure will be designed to allow easy replacement of any module.
		The structure shall be suitably loaded with re-enforced concrete Block of appropriate weight.
		The structures will be laid on the roof and proper drainage of rainwater over terrace through the installation area will be maintained
3	Power Conditioning Unit (PCU)	Inverter Capacity-6Kva, 1Phase, 230V
		Nominal Battery Voltage- 48VDC
		Output frequency-50Hz +/- 0.5Hz
		Efficiency-80% at 50% Of load and more than 90% at full load 0.8 PF
		Short circuit Protection- Circuit Breaker & Electronics protection against sustained fault.
		Low battery voltage-Automatic shut Down
Ac over Voltage/Current- Automatic Shut Down.		

4	Cable:-	UV protected copper cable As per requirements (1.5/2.5/4/6/8/10 & 25 Sq.mm copper single core)
5	Junction Box (AJB,DCDB, ACDB)	The Junction boxes shall be dust & water proof and made of thermo plastic. The terminal will be connected to copper lugs or bus bar of proper sizes. JB will have suitable cable entry joint fitted with cable glands.
6	Battery bank	There will be one battery bank comprising of appropriate capacity for respective SPV power plant. The battery will be VRLA type and shall have long service life.
		a) Batter bank capacity-Minimum 48V & 300Ah
		b) Terminal- Made of Lead Alloy suitable for bolted connection
		c) Self-Discharge- Less than 3% per month at 30 degree C.
	d) Battery voltage-2Volt	
7	Lighting Arrestor	All copper air terminal rod lighting arrester and base plate. Air terminal rod should be 1.5 mtr long ceramic insulation shall be provided at the lighting arrester base plate. Elevation pipe shall be of 3 mtr height.
8	Chemical Earthing	Chemical Earthing power, solid copper electrode, tin coated copper lugs with insulation clamps with nut bolts assembly with metallic lid should be made.
	Outdoor AC. Ceiling Light	230Vac ,50Hz Input, High Beam 20watt LED Ceiling Light of 100 Nos.
9	Other BOS Kit	As per requirement.

The quotationers are required to quote the price per total unit (5kw off grid Solar Power Plant) including GST. They should submit the EMD for Rs.10,000/- in shape of Demand Draft in any nationalized bank pledge in favour of Executive Officer, Balasore Municipality, Balasore. The copy of PAN, GST Certificate, Farm Registration Certificate should be enclosed along with the quotation. The Quotationer shall apply in plain paper or letter pad along with the requisite documents as furnished & on the top of the envelope be mentioned as "Installation of 5kw off grid Solar Power Plant along with supplying , fitting, Fixing of 100 no 20Watt Ceiling Light for Vending Zone near ITI Square of Balasore Municipality." which should be mouth Sealed. The last date and time of receipt of quotation are Dt. 09/05/2023 up to 11.00 a.m. and to be submitted to the Executive Officer, Balasore Municipality with Regd/Speed Posting to Balasore Municipality, Motiganj, Balasore-756003 & the same will be opened at 12.00 Noon. on Dt. 09/05/2023 in presence of the bidders or their authorized representatives. Quotations received after due date shall not be entertained.

The authority have every rights to reject any or all tenders without assigning any reason thereof.

TERMS & CONDITIONS SHOULD BE IN THIS WAY AS FURNISHED BELOW:

- 1- The Quotationer shall quote the rate inclusive of all taxes including GST.
- 2- The materials should be supplied and installed at the work site at its own cost of the firm in proper condition.
- 3-Any transportation charges should not be paid extra by this establishment & any breakage during transportation of the materials should be compensated by the supplying firm itself.
- 4- Any defection regarding manufacture defect should be born by the supplying firm for a period of five (05) year at least.

Executive Officer
Balasore Municipality

Memo No. 3265 /Dt. 02/05/23/

Copy submitted to Gen. & Misc Section, Collectorate, Balasore, D I C Office, Balasore to affix the same in their notice board for wide publication.

Executive Officer,
Balasore Municipality.

Memo No. 3266 / Dt. 02/05/23

Copy to the Office Notice Board, Balasore Municipality for wide publication.

Executive Officer
Balasore Municipality