

SRIRAM EDUCATIONAL TRUST
49, Anna Salai, (Devi Theatre Complex)
Chennai – 600 002
Phone No: 28511011 / 28511022

TENDER NOTICE

Invites sealed Tenders from qualified Contractors for execution of the following works in College Building at Vyasarpadi, Chennai – 39.

Name of Work : (i) Erection of Solar Panel for 40 Kw with 50 Kw inverter for School Building.
(ii) Erection of Solar Panel for 40 Kw with 50 Kw inverter for College Building.

Tentative estimate cost : Each Rs. 20 Lakhs

Duration for completion : 45 Days

Last date for receipt of tender : 19.02.2024

For tender forms and conditions please log on to our web-site www.sriramtrust.org or www.sriramcolleges.com or get the same from [Trust Office](#).

SECRETARY /SRET

SRIRAM EDUCATIONAL TRUST
49, Annasalai, Chennai - 600 002

40KW ONGRID SYSTEM WITH 50KW INVERTER SOLAR SYSTEM FOR SCHOOL
BUILDING
BILL OF QUANTITY

Sl.No	Description	Qty	UOM	Rate	Amount
1	SOLAR POWER GENERATING SYSTEMS Major equipment: 1. Solar Modules – 545 w Mono per modules Waree / Renewsys / Goldi / Eqv –74 nos 2. Solar Inverter – 50kw, 3 phase – Grid tied inverter Growatt/Solis / Polycab – 1 no 3. Online Monitoring – Wifi based – 1 no 4. Mounting Structures for panels – Aluminium with counter weight.	1	Set		
2	INSTALLATION & COMMISSIONING Balance of System: 5. DCBD – 4 in 4 out with SPD & Surge protection device – 1 no 6. ACDB – 1 in 1 out – 1 no 7. DC Cables – 4 Sq.mm Solar Cable, UV resistant, Polycab – 500 mtrs 8. AC Cables – 120 Sq mm Cable 3.5 – Core AL Armrd – Polycab – 60 mtrs 9. Earthing Cable – 10Sqmm AL – 200 mtrs 10. earthing 2 mtr rod with chemicals – Excel earthing – 5 nos 11. Lightning arrester – ESE type 1 mtr – Cu bonded with spike – Approved Make – 1 no 12. Connectors – MC4 – Approved Make – 100 nos 13. Cable trays – GI – Reputed as required Civil & others: 14. Accessories – Lugs, Conduits, cable trays, incidental, sign boards – 1 set 15. Civil work if any 16. Transport – Loading & Unloading – Packing & Transport. 17. Installation & commissioning – Man Power, Electrical, Earthing, module mounting, structure. 18. Zero export of Power Consumption	1	Set		
3	CEIG : Charges for Liasoning, coordination and obtaining safety certificate from CEIG for the proposed 40KW Rooftop Solar plant at Chennai, Tamil Nadu. The scope includes the following works. i). Getting covering letter and Signature from Client on the prepared drawings. ii). Submitting the Solar Electrical installation drawings to CEIG office. iii). Getting Drawing Approval of the Electrical installation drawings. iv). Preparation and submission of work Completion Certificate. v). Arranging CEIG Inspection. vi). Obtaining defect report from the CEIG / EI office and submitting the rectification report. vii). Getting Safety Certificate from CEIG office.		LS		
	Grand Total				

SRIRAM EDUCATIONAL TRUST
49, Annasalai, Chennai - 600 002

40KW ONGRID SYSTEM WITH 50KW INVERTER SOLAR SYSTEM FOR COLLEGE
BUILDING
BILL OF QUANTITY

Sl.No	Description	Qty	UOM	Rate	Amount
1	SOLAR POWER GENERATING SYSTEMS Major equipment: 1. Solar Modules – 545 w Mono per modules Waree / Renewsys / Goldi / Eqv –74 nos 2. Solar Invertor – 50kw, 3 phase – Grid tied inverter Growatt/Solis / Polycab – 1 no 3. Online Monitoring – Wifi based – 1 no 4. Mounting Structures for panels – Aluminium with counter weight.	1	Set		
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	Grand Total				

(i) Terms and Conditions:

Payment - 50% advance, balance 40% on delivery of Panels, Inverter & Mounting structure, 10% on completion of project and testing of inverter.

Delivery of components - 15-20 days

Project completion - 30-45 days

(ii) Warranty Conditions:

- Warranty for Solar PV module:

As per Manufacturer's terms : 10/12 years product warranty & 25 years performance guarantee. Positive sorting (no to negative tolerance on the solar panels).

- Grid tied Inverter's carry 5/7/8 years warranty from the date of supply in accordance with the warranty conditions of the inverter manufacturers.
- Hybrid & Off-grid inverters carry 2/3/5 years warranty according to manufacturer.
- Solar batteries carry – 5/6 years warranty according to manufacturer.
- Electrical installations work such as interconnection of strings, connection of string combiner boxes, AC/DC cables will carry warranty for 1 year from date of commissioning.
- Guarantee for the structural safety and stability of the mounting system will be covered for a period of 1 year for the date of commissioning.
- Parts and components, which are repaired or replaced during such period, are warranted for the original manufacturer's warranty period only and will not carry any extended warranty if the equipment is not repairable at site. The same has to be sent at the workshop on freight prepaid basis after obtaining consent from Asterix in writing and shall return back to the customer on freight to pay basis.
- Overall system will have a warranty of 1 year from the date of commissioning after which it will be On-call chargeable basis.
- The Warranty terms does not include cleaning of modules at any point in time. Cleaning will be done on chargeable basis only.

Warranty shall not apply to defects resulting from:

- Willful damage or negligence, normal wear, and tear
- Installation and/or maintenance by customer or a third party without consent.
- Misuse or abuse of equipment.
- Modifications or alternations made by customer or a third party without consent.
- Until the end of the warranty period plus the operating period of the project, Asterix shall have an access right to all parts and to the reports on its work and output.