

GUJARAT STATE ELECTRICITY CORPORATION LTD.**Thermal Power Station, Gandhinagar-382 041****UNDERTAKING IN RESPECT TO SUBMIT GENERAL COMMERCIAL TERMS
& CONDITIONS:**

(All bidders shall have to furnish this undertaking duly filled, signed and stamped for each quoted item of the tender along with the Technical Bid).

Sub:

Tender No. :

I/We _____ authorized signatory of
 M/s _____ here by confirmed that
 I/we hereby read and I/We hereby agree for the General Commercial Terms &
 Conditions laid down in Tender (Part-I & Part-II) and accordingly submitted
 my/our offer.

Hard copies of following Documents duly filled, signed and stamped are to be
 submitted alongwith Technical-Bid of this Tender and all these documents are
 to be submitted **on-line** also.

(Submission of on line e-tender procedure remains unchanged.)

- (i) Annexure 1 to 15
- (ii) Important Instructions
- (iii) Integrity Pack

Note: Bidder shall have to submit hard copies (Physical Form) of above
 mentioned Annexure along with Technical-Bid. Other General
 Commercial Terms & Conditions are required to be confirmed & certified
 as above.

Bidder's Signature
 with Seal & Date

Company's round seal

Date:

Place:

Technical Bid

Sub: Supply and replacement various types of degraded solar modules by polycrystalline modules installed at 1MW Ash dyke solar plant Gandhinagar

Sr. No.	Description of Material	Unit	Qty. Reqd.
1	POLY CRYSTALLINE MODULES OF 235W DIMENSION 1661MM X991MM FOR THE MODULE STRUCTURE CONFIGURATION 156.75MMX156.75MM/157MMX157 MM (54 NOS)AS PER IEC 61215 AND EQUIVALENT AND SUBSEQUENT MODIFICATIONS.	Number	432
2	POLY CRYSTALLINE MODULES OF 240W DIMENSION 1661MM X991MM FOR THE MODULE STRUCTURE CONFIGURATION 156.75MMX156.75MM/157MMX157MM (54 NOS) AS PER IEC 61215 AND EQUIVALENT AND SUBSEQUENT MODIFICATIONS.	Number	2088
3	POLY CRYSTALLINE MODULES OF 95W DIMENSION 1190MM X789.5MM FOR THE MODULE STRUCTURE CONFIGURATION 31.40MMX156.75MM/31.40MMX 157MM (108 NOS) AS PER IEC 61215 AND EQUIVALENT AND SUBSEQUENT MODIFICATIONS.	Number	1056
4	POLY CRYSTALLINE MODULES OF 107W DIMENSION 1409 MM X1110MM FOR THE MODULE STRUCTURE CONFIGURATION 17.44MMX156.75MM/17.44 MMX157MM (225 NOS) AS PER IEC 61215 AND EQUIVALENT AND SUBSEQUENT MODIFICATIONS.	Number	924
5	POLY CRYSTALLINE MODULES OF 85W DIMENSION 1200MM X600MM FOR THE MODULE STRUCTURE CONFIGURATION 31.40MMX156.75MM/31.40 MMX157MM (99 NOS) AS PER IEC 61215 AND EQUIVALENT AND SUBSEQUENT MODIFICATIONS.	Number	1170
6	Replacement of modules with accessories [MC4 connector etc @2000 Nos. String DC cable @1000Mtr]	Job	5670

NOTE:

- (1) This is being comprehensive requirement including some works portion, for deciding L-1 bidder, overall lowest bid will be considered and order will be awarded to **overall L -1 bidder**.
- (2) As this is turnkey project, hence the mention details are for guide line only, All related work for reliability & strengthen for the job is in scope of bidder only whether it is mentioned in detail or not. The detail engineering will be carried out at the time of execution as per EIC of respected department with full co-operation. The functionality of the system should not be affected.
- (3) All above mentioned items to be supplied by the bidder along with required work of erection, testing and commissioning.

Prequalification Criteria:-

- 1) The bidder shall have experience of supply and installation of min 1MW of solar PV connected plant.
- 2) Solvency Certificate for 20% value, of the estimated cost of any Notified Bank. (Bank list is attached.)
- 3) Details of P.F. code No. from the appropriate provident fund authorities and details of P.F. paid to the employees for last six months. Certificate of separate provident fund account number.
- 4) Bidder shall have to submit the PAN card No for Income Tax with documentary proof.
- 5) Details of the partnership deed.
- 6) Details of Tools, tackles, equipments and personals available with firm relevant to the job/subject tender.
- 7) Copy of the updated valid labour contract license from the appropriate authorities and updated workman group insurance policy covering labour engaged.
- 8) The tenderer shall have to produce the document of last three years annual account, i.e. profit & loss account and balance sheet, if the estimated cost of tender is more than Rs. 50 lakhs along with technical bid.
- 9) Details of skilled/semi-skilled persons presently employed by the contractor having sufficient knowledge of similar jobs.
- 10) The bidder shall have to submit the order copies of similar work executed for the Govt. /Semi Govt./PSU organization in past.

SCOPE OF WORK:

To replace the all technologies of existing modules except Mono crystalline modules with same capacity of high efficiency polycrystalline modules at existing structure. The required poly crystalline module size and capacity is identical and should be retrofitted. The required misc items like MC4 connector String DC cable, required nut bolt, fastener etc should be in scope of contractor and Contractor has to verify/check all the string and required parameter after replacement of modules. The module & structure technical details are as under.

Technical Specifications :

Sr. No.	Module	Capacity	Nos.	Total KW	Module structure configuration	Module dimension
1 & 2	Poly Crystalline	235W	432	101.520	(156.75mmx156.75mmx157mmx157mm) x 54 Nos.	1661x991
		240W	2088	501.120		
3	CIGS (Thin film)	95W	1056	100.320	(31.40mmx156.75mmx31.40mmx157mm) x 108 Nos.	1190x789.5
4	A-Si (Thin film)	107W	924	98.868	(17.44mmx156.75mmx17.44mmx157mm) x 225 Nos.	1409x1110
5	Cd Te (Thin film)	85W	1170	99.450	(31.40mmx156.75mmx31.40mmx157mm) x 99 Nos.	1200x600

General Terms and conditions:

- 1) Party has to submit all drawings i.e. civil, mechanical, and electrical prior to start the supply & work for approval.
- 2) Complete dismantling & removing of existing modules if required cable and JB at GSECL 1MW Ash dyke Solar Plant ,Gandhinagar.
- 3) Removal of modules in such a way that no damage to modules.
- 4) Supply and replacement of modules with new poly crystalline new modules with fitting as per Schedule-B.
- 5) New earthing to be provided to module to module and module to structure.
- 6) If required new string cable, MC4 connector, nut bolt, washer and other consumable items are in the scope of contractor.
- 7) Rates for replacement shall be inclusive of dismantling and fixing of existing modules. The removed items to be submitted to main store GTPS by the contractor as per instruction given by EIC.
- 8) Complete material supply and work with is as per schedule-B and terms condition & scope of work.
- 9) For any modification required looking to the plant condition is in the scope of contractor and contractor has to get an approval from EIC before modification. No addition cost will be paid for that.
- 10) After completion of work trial/ tests should be carry out for each module/table/ string as per requirement.
- 11) After completion of work surround area should be clean in complete manner
- 12) Party has to give GUARANTEE/ WARRANTEE 5 years for modules manufacturing defect and from 6th year insurance certificate Rs. 10 lakh /1MW DC for and performance warrantee for 25 years. The degradation for first 10 years should not be more than 10% and should not be more than 20% for next 15 years.