

	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  <b>P. O. Maktampur, BHARUCH-392 012</b>  <b>Telephone No. (02642) 227306 Fax No. (02642) 227303</b>  <b>Email: setrbharuch.getco@gebmail.com</b>  <b>Corporate Identity No (CIN): U40100GJ1999SGC036018</b>  <b>Reg. office:- Corporate Office, GETCO, Race course, Vadodara</b></p>	
--	---	--

## TENDER NOTICE No: **TCBRH/24-25/E-212**

Superintending Engineer, Transmission Circle GETCO Bharuch ( Address of the office - The Superintending Engineer (TR), Gujarat Energy Transmission Corporation Limited, Circle Office, Maktampur Road, Bharuch-392012. ) invites “On line Tenders” (e-tendering) for the purchase/ works of following items. Tender Papers & Specifications may be down loaded from Web site <https://tender.nprocure.com> (For view, down load and on line submission) and GUVNL/GETCO web site [www.guvnl.com](http://www.guvnl.com) (For View &download only).

**All tender documents, scanned copies of original documents (Notarized / self-attested copies of original – as specified in tender document) along with scan copy of transaction slip of payment made through RTGS/NEFT for Tender Fee & EMD shall be unloaded through on line only ( which is mandatory) on (n) procure portal.**

**Bidders shall compulsorily pay tender fee and EMD through RTGS/NEFT only. No any physical documents, Demand Draft / Banker’s cheque or Pay order for tender fee and EMD to be submitted by bidders.**

All the bidders, in respect of tender item must have vendor registration with the **GEDA** prior to the date of opening of technical bid of the tender, otherwise their bids will not be considered eligible for technical scrutiny and their technical bids will not be opened

Sr. No.	Description	
1	Tender No.	<b>TCBRH/24-25/E-212</b>
2	Works of	<b>Work of Survey, Design, Supply, Installation, Testing, commissioning with Comprehensive Maintenance contract of 5 years for Solar Rooftop Projects on Control Room building at 220kV Amod, 66kV Palej and 66kV Jambusar S/s under Haldarwa AM Divison under Bharuch TR Circle”.</b>
3	Estimated cost with <b>GST</b> in	<b>Rs. 34,12,285.96</b>
4	Tender Fee (non-refundable)including <b>GST</b>	<b>Rs. 1180 (1000 Plus GST 18%)</b>
5	Earnest Money Deposit amount in	<b>Rs. 34123/-</b>
6	On line (E-tendering) tender/ offer submission last date up to 16.00 hours only (This is mandatory)	<b>15.03.25</b>
7	Date of opening online technical bid at 16:10Hours.	<b>15.03.25 [Tentative]</b>
8	Tentative Date of on – line opening of Price bid, (if possible), at 11.00 Hours	Shall be intimated separately
9	Prices	Firm/Percentage Basis
10	Time Limit	90 Days
11	Validity of Bid	180 days
12	Category of registration	Approved Vendor of GEDA

### IMPORTANT:

1. All tender documents, scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) documents along with scan copy of transaction slip of payment made through RTGS/NEFT for Tender Fee & EMD shall be uploaded through on line only (which is mandatory) on (n) procure Portal. No any physical documents , Demand Draft / Banker’s cheque or Pay order for tender fee and EMD will be accepted

- Bidder shall have to made payment for Tender fee and EMD though RTGS / NEFT only on or before due date and time of submission of tender .Tender fee and EMD paid though Demand Draft / Banker's cheque or Pay order will not be accepted and no any further communication in the matter will be entertained.
- It is mandatory for all the bidders to upload their tender documents by on line (E-tendering) in scheduled time.
- It shall be sole responsibility of the bidder that the uploaded scanned documents (in PDF form) remain legible (readable) and should not be password protected.
- All the Appendices, forms, formats, declaration, undertaking, etc (To be submitted on bidder's letterhead), Tender acceptance letter (on bidder's letterhead), price bid, tender documents specified in the tender must be submitted through online on n-procure portal (mandatory) (All the documents to be duly self attested by the bidder). For any differences or wrong entry bidder shall be sole responsible for that documents It shall be sole responsibility of the bidder that the uploaded scanned documents (in PDF form) remain legible (readable) and should not be password protected.
- Tender will be evaluated on Data / Details / Documents of the online offer only.
- The bidders are required to upload complete technical bid duly filled, sealed & signed by bidder (all the appendices (annexure)/forms etc). This is intended for transparency and speedy evaluation of the bids. Instead of simply confirming/attached in bid/refer physical offer, the bidder shall fill in the particulars against appropriate place in respect of each line appearing in Technical bid (In the absence of required details in uploaded tender documents, technical bid, the purchaser has every right to evaluate the bids accordingly and bidder cannot raise any objection against any point during evaluation).
- In case of short submission of documents with bid and / or clarification if any required from the bidder,the required details / documents may be asked from the bidder in physical form.
- Payment of Tender fees & Earnest Money Deposit EMD. Amount should be paid by Online-payment. Payment of Tender Fees & EMD by RTGS/NEFT/on line only.** In case of payment through RTGS/NEFT bidder has to mail following details:

Sr. No	Required Details
1	Name & Address of the bidder
2	Bidder GST No
3	Tender No with due date
4	Mode of Transfer
5	Ref. ID with Bank Details
6	Paid Amount
7	Payment against ( <b>Tender Fee/ EMD</b> )

To:

- [setrbharuch.getco@gebmail.com](mailto:setrbharuch.getco@gebmail.com)
- [dec2bharuch.getco@gebmail.com](mailto:dec2bharuch.getco@gebmail.com)
- [aobharuchccount.getco@gebmail.com](mailto:aobharuchccount.getco@gebmail.com)
- [cashierbharuch.getco@gebmail.com](mailto:cashierbharuch.getco@gebmail.com)

**Bidder has to provide all above details on the same date of payment so that receipt can be generated.**

❖ **GETCO Beneficiary Bank detail is as under:**

1	Name of Account Holder	Gujarat Energy Transmission Corporation Ltd.
2	Account No.	71420200000168
3	Name of Bank	BANK OF BARODA
4	Branch Code	STABRO
5	Address of Bank	Shalimar Complex, Station Road,Bharuch-392002.Gujarat
6	IFSC Code	BARB0STABRO
7	PAN No	AABCG4029R
8	TAN No	BRDG01026E
9	GST No	24AABCG4029R2ZC

	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  <b>P. O. Maktampur, BHARUCH-392 012</b>  <b>Telephone No. (02642) 227306 Fax No. (02642) 227303</b>  <b>Email: setrbharuch.getco@gebmail.com</b>  <b>Corporate Identity No (CIN): U40100GJ1999SGC036018</b>  <b>Reg. office:- Corporate Office, GETCO, Race course, Vadodara</b></p>	
--	---	--

10. Bidders are requested to remain in touch with the website for any amendment/ corrigendum or extension of due date etc.
  11. Tender fee and EMD paid though Demand Draft / Banker's cheque or Pay order will not be accepted. Also, Tender fee and EMD received after due date and time as specified in the tender will not be accepted/opened irrespective of delay due to any reasons and the Corporation shall not assume any responsibility for late receipt of the same.
  12. Tender without EMD and tender fee plus GST as applicable shall be rejected.
  13. The GETCO reserves the right to award the work to one or more bidders, considering their technical and financial capacity OR to reject any or all tenders or accept any tender without assigning any reason thereof.
- Any technical questions, information and clarifications that may be required pertaining to this enquiry should be referred to The Superintending Engineer (TR), Gujarat Energy Transmission Corporation Limited, Circle office, Bharuch. GETCO reserves the right to reject any OR all tenders without assigning any reasons thereof.

**Yours faithfully,**

**Superintending Engineer (TR),  
GETCO, C.O., Bharuch**

Download Tender Documents in (PDF Format) which consists of:

Part – I: Commercial Terms & Conditions

Part – II: Technical Specifications & GTP'S, Schedule "A" indicating the quantities & items, drawing if any.

To view the PDF file please use "Acrobat Reader" software which can be downloaded from "Adobe" website.

**Note: In case bidder needs any difficulty in accessing / submission of on line bid / clarification or if training required for participating in online tender, they can contact the following office:**(n) Procure Cell, (n) code solutions-A division of GNFC Ltd., 403, GNFC Infotower, S.G. Road, Bodakdev Ahmedabad – 380054 ( Gujarat ) Toll Free: 1-800-233-1010 ( Ext. 501, 512,516 , 517 , 525 ) , Phone No. 079-26857315 / 316 / 317, Fax: 079-26857321 / 40007533, Email: procure@gnvfc.net.

	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  P. O. Maktampur, BHARUCH-392 012  Telephone No. (02642) 227306 Fax No. (02642) 227303  Email: setrbharuch.getco@gebmil.com  Corporate Identity No (CIN): U40100GJ1999SGC036018  Reg. office:- Corporate Office, GETCO, Race course, Vadodara</p>	
--	---	--

**PART – I**  
**GENERAL TERMS & CONDITIONS WITH COMMERCIAL BID**  
**INSTRUCTIONS TO BIDDERS**

**A. INTRODUCTION**

**1.0 General Particulars**

1.1 The Gujarat Energy Transmission Corporation Ltd., Bharuch hereinafter called 'GETCO'/ 'OWNER' intends to receive bids for **Work of Survey, Design, Supply, Installation, Testing, commissioning with Comprehensive Maintenance contract of 5 years for Solar Rooftop Projects on Control Room building at 220kV Amod, 66kV Palej and 66kV Jambusar S/s under Haldarwa AM Divison under Bharuch TR Circle**".as detailed in the accompanying specifications in accordance with Terms and Conditions herein. The bids shall be prepared and furnished as per these Instructions.

**2.0 Qualification Requirements of Bidders**

2.1 To be qualified for award, the bidder shall provide following satisfactory evidence to the Owner of his capability and adequacy of resources:

- 1 **Registration:** The Bidder shall be strictly a Registered with GEDA.
2. **Experience:** The Bidder should have designed, supplied, installed & commissioned Grid connected Solar PV Power Projects having aggregate capacity not less than **70KW** in residential Sector during last three years in any Government department of Gujarat.
3. **Solvency:** Latest bank solvency certificate not older than 1 Year from any Nationalized/ Scheduled/Co-operative Bank of a sum of minimum 20 % of the estimated cost shown in the tender.
- 4 **Provident Fund Code:** Separate provident fund code number towards firm registered with Regional P. F. Commissioner. **PF should be on line active.**
- 5 **Financial Statement:** The Bidder should submit the Income Tax Returns of last Three Financial Years.The Bidder should submit certified photocopy of audited financial statement i.e. Balance sheet with profit and loss account of last three Years. In case, audit is not mandatory, bidder should submit photocopy of financial statements i.e. Balance Sheet & Profit & Loss Account
- 6 **Nature of Firm:** Attested copy of **Partnership Deed, Power of Attorney**, if any, for signing the bid documents in case of **partnership firm & self-affidavit for proprietorship firm. MOA/AOA** shall be submitted in case it is **corporate entity**. All such documents shall have to be **NOTARISED**
7. **I.T.PAN CARD:** The bidder should submit the attested Photocopy of PAN Card of their firm.
8. **GST Registration** The bidders should submit the certified copy of GST registration of their firm. GST should be on line active.
9. **Electrical contractor's license:** The bidders should submit the attested copy of GOG Electrical Contractor licenses of firm with latest validation.

**The bidders must be submitted all above documents scanned copy on n-procure and certified/self-verified copy of all documents.**

	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  <b>P. O. Maktampur, BHARUCH-392 012</b>  <b>Telephone No. (02642) 227306 Fax No. (02642) 227303</b>  <b>Email: setrbharuch.getco@gebmail.com</b>  <b>Corporate Identity No (CIN): U40100GJ1999SGC036018</b>  <b>Reg. office:- Corporate Office, GETCO, Race course, Vadodara</b></p>	
--	---	--

## CHECK LIST OF DOCUMENTS SUBMISSION

TABLE-A		
Mandatory to upload on-line only (pdf file)		
No.	Particulars	Check Mark
1	Scan of NEFT/RTGS of Tender Fee Amount / Online payment receipt	
2	Scan of NEFT/RTGS of EMD Amount / Online payment receipt	
3	Registration Document as Approved Contractor –of GEDA	
4	Work Completion Certificate in Form 3A [Experience Certificate as main contractor] only as per Qualification requirement.	
5	Bank Solvency Certificate	
6	GST Registration Number document	
7	Nature of Firm: Partnership Deed/Latest Form-G/Power of Attorney/Authorized Signatory Certificate for partnership/self-affidavit for proprietorship firm. All such documents shall have to be NOTARISED	
8	PF Code document	
9	PAN No document	
10	Income Tax Return, Profit loss Accounts & Balance Sheet of Last Three Financial year	
11	Electrical Contractor License	
12	Filling Annexure 1 to 8	
13	All Pages of Tender page with Bidder Signature and Rubber Stamp (encouraged for digitally signed)	



### **Technical Specification**

**Work of Survey, Design, Supply, Installation, Testing, commissioning with Comprehensive Maintenance contract of 5 years for Solar Rooftop Projects on Control Room building at 220kV Amod, 66kV Palej and 66kV Jambusar S/s under Haldarwa AM Divison under Bharuch TR Circle”.**

The assorted rating of the solar rooftop system for which the rates shall be discovered are as follows.

S. N	Name of S/S with Proposed Capacity
1	220kV Amod S/s- 36.00 KW
2	66kV Palej S/s- 27.30 KW
3	66kV Jambusar-17.5KW

**Note:-** (Project capacity will be considered in AC. Payment to Bidder will be done on AC Capacity Registered, DC Capacity Installed, and Invertor Installed, whichever will be less.)

The broad specifications of the system (Detailed Specifications are given in the Tender elsewhere) shall be as follows:

- 1) Solar PV Modules:** - Poly Crystalline make solar module not less than 300 Wp each and having valid IEC certificate. (Certificate to be submitted on shortlisting of successful Tenders). **The PV Cell and the modules shall be of INDIAN MAKE.** Necessary documents in this regards must be provided to GEDA/GETCO.

The bidder shall be required to submit the Self declaration, regarding the Modules and Solar cells used under this supply are “**Made in India**”, from the concerned manufacturer of Solar Modules, before commissioning of the System. Such firm and Shortlisted bidder, those violate the requirement of Indian Make Solar Cell and Module shall be put under the black list, and or stop deal list as may be decided by the GEDA/GETCO.

Violation of norms of Domestic Content Requirement (DCR) Under Solar PV projects will lead to penalties and action as mentioned in office memorandum of MNRE GOI vide letter no. 283/2018-GRID SOLAR dated 20<sup>th</sup> February, 2018.

The ALMM list is published by the MNRE vide Notification No. 283/54/2018-Grid Solar-Part(1) Dated 30-12-2021 and the notification for the same is also published by the MNRE vide Notification No. 283/54/2018-Grid Solar-Part(2) Dated 13-01-2022. The **Model and Manufactures of the Module and Cell shall be from the ALMM only used in the SPV System in this project.**

- 2) Invertor:** - IEC certified invertor with in-built anti-islanding facility of Rated capacity plus minus 10% of the aggregate capacity of the modules.

	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  <b>P. O. Maktampur, BHARUCH-392 012</b>  <b>Telephone No. (02642) 227306 Fax No. (02642) 227303</b>  <b>Email: setrbharuch.getco@gebmail.com</b>  <b>Corporate Identity No (CIN): U40100GJ1999SGC036018</b>  <b>Reg. office:- Corporate Office, GETCO, Race course, Vadodara</b></p>	
--	---	--

**3) Mounting structure:** - The mounting (Rectangle pipe/square pipe / circular pipe) with requisite cross bars, nuts and bolts etc. shall be pre-galvanized or galvanized. The Rectangular /square / circular hollows pipe section used for the structures should have a minimum 2.5 mm. A certificate of a structural engineer certifying the strength and stability of the mounting structure to withstand the weight and wind speed of 150 km/hour throughout the life span of 25 years of the system, shall be submitted by the vendors. The ground clearance of the bottom most edge of solar panel shall not be less than 1200 mm.

4) AC, DC cable shall be of ISI mark and reputed make.

5) Lightning arrestor shall be provided for each of the Solar Rooftop installations. It shall be of ISI mark and reputed make.

6) The system cost shall be inclusive of supply of solar modules, invertors, mounting structure, AC DC cables in RPVC conduit as per requirement on location (Rate include supply of minimum AC Cable length Upto 30 Meter/Building), AC - DB, DC – DB, earthing, LA, Bidirectional meter, Solar AC Meter and its installation. No any differential/additional Charges for LT Bidirectional meter will be reimbursed.

The rate quoted per kW for each project should be inclusive of all taxes. No rate revision under this tender will be allowed in any circumstances.

7) The scope of regular cleaning of the modules for five years shall also be in the scope of Bidder. The arrangement of required water etc for regular cleaning of the modules shall be in the scope of the Bidder.

8) The payment terms towards the supply, Installation, commissioning and 5 years CMC shall be as follows:

- a) 100% of the order value upon certification of GEDA/third party approved by GEDA and commissioning of the system upon installation of the bidirectional and solar meter and complete the installation process with uploading of all documents on GEDA online portal., or as may be specified.

1. bills

2. Installation certificate duly signed by beneficiary/GEDA official/third party showing its commissioning date (date of bi-directional meter installation)

**Note : Performance Guarantee for 5 years –CMC :**

You have to Submit 20% of the order value against the equivalent amount of performance bank guarantee/ Demand draft valid for a period of 5 years from the date of commissioning of the system. (date of meter Installation).

Completion period:

	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  <b>P. O. Maktampur, BHARUCH-392 012</b>  <b>Telephone No. (02642) 227306    Fax No. (02642) 227303</b>  <b>Email: setrbharuch.getco@gebmail.com</b>  <b>Corporate Identity No (CIN): U40100GJ1999SGC036018</b>  <b>Reg. office:- Corporate Office, GETCO, Race course, Vadodara</b></p>	
--	--	--

The Project completion period shall be **90 days** from the date of placement of order, completion should mean, commissioning of the system, meaning commencement of injection of power to grid. The delay if any in the specific completion period shall be dealt with on the basis of the certified documentary evidence of the single line diagram (SLD) drawing, submission and approval to CEI, estimate generation and payment to DISCOM and application submission and approval of CEI for charging of system.

**For Four different site location you have to provide Four separate gang. Within 90 days time limit you have to complete work of all four locations.**



	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  <b>P. O. Maktampur, BHARUCH-392 012</b>  <b>Telephone No. (02642) 227306 Fax No. (02642) 227303</b>  <b>Email: setrbharuch.getco@gebmail.com</b>  <b>Corporate Identity No (CIN): U40100GJ1999SGC036018</b>  <b>Reg. office:- Corporate Office, GETCO, Race course, Vadodara</b></p>	
--	---	--

## **TECHNICAL SPECIFICATIONS FOR GRID CONNECTED SPV SYSTEMS**

The specifications of SPV systems, for which EOI are invited, are as under. The self-certified Test Report(s) of each of the components/ systems mentioned shall be submitted before starting System installation. To ensure optimum performance of the solar installation and its related safety aspects, the provisions of the publication of GERMi on “Best Practices in Operation and Maintenance of Roof Top Solar PV systems in India” published in May, 2018 be followed.

The proposed projects shall be commissioned as per the technical specifications given below. Any short comings will lead to cancelation of Empanelment as may be decided by GETCO. The specifications, in the GERC Regulation on Net Metering shall also be applicable.

### **1. DEFINITION:**

A Grid Tied Solar Rooftop Photo Voltaic (SPV) power plant consists of SPV array, Module Mounting Structure, Power Conditioning Unit (PCU) consisting of Maximum Power Point Tracker (MPPT), Inverter, and Controls & Protections, interconnect cables, solar meter, bi-directional energy meter and switches. PV Array is mounted on a suitable structure. Grid tied SPV system is without battery and should be designed with necessary features to supplement the grid power during daytime. Components and parts used in the SPV power plants including the PV modules, metallic structures, cables, junction box, switches, PCUs etc., should confirm to the BIS, IEC, or international specifications, wherever such specifications are available and applicable.

Solar PV system shall consist of following equipment/components.

1. Solar Photo Voltaic (SPV) modules consisting of required number of Crystalline PV modules.
2. Inverter and Remote Monitoring System.
3. Module mounting structures.
4. Energy Meter.
5. Array Junction Boxes.
6. DC Distribution Box.
7. AC Distribution Box.
8. Protections – Earthing, Lightning, Surge.
9. Cables.
10. Drawing & Manuals.
11. Miscellaneous.

### **a. SOLAR PHOTOVOLTAIC MODULES:**

- 1.1.1 The PV modules and Solar Cell used should be made in India. Necessary documents in this regards must be provided to GETCO.

	<p style="text-align: center;"><b>GUJARAT ENERGY TRANSMISSION CORPORATION LTD</b>  <b>TRANSMISSION CIRCLE</b>  <b>P. O. Maktampur, BHARUCH-392 012</b>  <b>Telephone No. (02642) 227306 Fax No. (02642) 227303</b>  <b>Email: setrbharuch.getco@gebmil.com</b>  <b>Corporate Identity No (CIN): U40100GJ1999SGC036018</b>  <b>Reg. office:- Corporate Office, GETCO, Race course, Vadodara</b></p>	
--	--	--

Violation of norms of Domestic Content Requirement (DCR) UNDER Solar PV projects will lead to penalties and actions as mentioned in office memorandum of MNRE GOI vide letter no. 283/2018-GRID SOLAR dated 20<sup>th</sup> February, 2018 as under:

- a) Filing of criminal case under IPC 420 and related Sec.
- b) Blacklisting of developers for period of 10 years
- c) Forfeiting of relevant bank guarantee(s)
- d) Disciplinary case against the Officers of concerned CPSU/ State Govt.
- e) Any other action, in addition to those above

SPV Modules and Solar Cells must be used for this Scheme shall be domestically manufactured as per MNRE's requirement. The Empanelled Agencies shall require to submit the Self declaration, regarding the Modules and Solar cells used under the Scheme are "Made in India", from the concerned manufacturer of Solar Modules, supplied for this scheme of GoG/GOI, before commissioning of the System. Violation of this condition will be reported to the MNRE and GoG for taking actions against the Manufacturer of the Solar Modules and Empanelled Agency. Such firm and Empanelled Agency may be put under the black list or stop deal list as may be decided by the DISCOM Authority.

In absence of the ALMM, the Empanelled Agencies shall have to submit self-declaration regarding domestically manufactured Cell and Modules used in the SPV System in this project. Whenever, the ALMM list published by the MNRE, the Model and Manufactures of the Module and Cell shall be from the ALMM only used in the SPV System in this project.

The PV modules used must qualify to the latest edition of IEC standards or equivalent BIS standards, i.e. IEC 61215/IS14286, IEC 61853-Part I/IS 16170-Part I, IEC 61730 Part-1 & Part 2. For the PV modules to be used in a highly corrosive atmosphere throughout their lifetime, they must qualify to IEC 61701/IS 61701.

- a) The total solar PV array capacity should not be less than allocated capacity (kWp) and should comprise of solar crystalline modules of minimum 300 Wp. Module capacity less than 300 watts shall not be accepted
- b) Protective devices against surges (SPD) at the PV module shall be provided. Low voltage drop bypass diodes shall be provided. –Surge Protective Device (SPD) of appropriate capacity & type shall be provided either in the inverter or in DC Junction Box for protection against surges. Low voltage drop bypass diodes shall be provided.
- c) PV modules must be tested and approved by one of the NABL accredited and BIS Approved test centers.
- d) The module frame shall be made of corrosion resistant materials, preferably having anodized aluminum.