

“Survey, Design, Supply, Installation, Commission and maintenance of Solar PV System for 5 years as a rooftop at Control Room terrace of Various 220KV,132KV and 66KV Sub Stations under Ranasan AM Division under Nadiad circle. {Scheme R&M 24-25}”

**GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
NADIAD**



**TENDER SPECIFICATION
FOR**

PART – I

GENERAL TERMS & CONDITIONS

TENDER NO. [NTC/CM-2/SOLAR/DEC-2024/287](#)

**GENERAL TERMS & CONDITIONS
WITH TECHNICAL BID**

(TO BE SUBMITTED ONLINE – N-Code Only)

Note: Submit ALL Document Online Only not Submitted Physically

“Survey, Design, Supply, Installation, Commission and maintenance of Solar PV System for 5 years as a rooftop at Control Room terrace of Various 220KV,132KV and 66KV Sub Stations under Ranasan AM Division under Nadiad circle. {Scheme R&M 24-25}”



Gujarat Energy Transmission Corporation Limited

Circle Office, P.O. Dabhan, Nadiad

District: Kheda, Gujarat, Pin – 387 320.

Email: nadiadtr@gebmil.com // setrnadiad.getco@gebmil.com

Corporate Identity No. U40100GJ1999SGCO36018

Tender notice no. : NTC/CM-2/SOLAR/DEC-2024/287

Superintending Engineer, Transmission Circle GETCO-NADIAD invites “On line Tenders” (e-tendering) for the work of “Survey, Design, Supply, Installation, Commission and maintenance of Solar PV System for 5 years as a rooftop at Control Room terrace of Various 220KV,132KV and 66KV Sub Stations under Ranasan AM Division under Nadiad circle. {Scheme R&M 24-25}” from registered contractors in appropriate class with GETCO and who has executed similar nature of work successfully as mentioned in Qualification requirement criteria given in the tender document. Bidders should fulfill all the qualification criteria. Otherwise their bids will not be considered & price bid will not be opened. All the bidders should have valid e-tender vender registration.

Tender Papers & Specifications may be downloaded from Web site as <https://tender.nprocure.com/> (For view, download and on-line submission) and GUVNL / GETCO web sites www.gseb.com & www.getcogujarat.com (For view & download only).

All tender documents are to be upload (Notarized / self-attested copies of original – as specified in tender document) through online only (mandatory) on (n) procure portal including Tender fee and EMD.

Communication for registered Post A.D. or Speed Post addressed to :

The Superintending Engineer (TR),
Gujarat Energy Transmission Corporation Limited,
Circle Office, Dabhan Road,
Nadiad -387 320.Dist: Kheda State: Gujarat

“ NO COURIER SERVICE OR HAND DELIVERY” will be allowed.

Sr	Description	
1	Tender No.:	NTC/CM-2/SOLAR/DEC-2024/287
2	Name of Work	“Survey, Design, Supply, Installation, Commission and maintenance of Solar PV System for 5 years as a rooftop at Control Room terrace of Various 220KV,132KV and 66KV Sub Stations under Ranasan AM Division under Nadiad circle. {Scheme R&M 24-25}”
3	Tender Fee (non-refundable)	Rs. 5000+GST 900= 5900.00 Non Refundable
4	Estimated contract value in Rs.	Rs. 7996104.90
5	Earnest Money Deposit amount in Rs.	Rs. 80000.00
6	On line (E-tendering) tender/ offer submission last date up to 16.00 hours only (This is mandatory)	02.01.2025
7	Time Limit	12 (Twelve) Months
8	Date of opening of Tender fee, EMD and technical bid on-line opening at 16.00 Hours.	02.01.2025
09	Tentative Date of on – line opening of Price bid	Shall be intimated separately
10	Type of tender	FIRM PRICE

Seal & Signature of Bidder

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11	Validity of Offer	180 days from the opening of Technical Bid.
12	Appropriate /Registration Class	Any Class of GEDA Registration

IMPORTANT:

- (A) **All the online Annexures i.e. Annexure - 1 to 3 and price bid, other tender documents (refer Table-A) must be submitted/attached through online form only.**
- (B) Bidder has to upload scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) documents with bid and **no physical documents to be submitted by bidder**
- (C) Bidder has to submit the only Tender fee and EMD in Online form.
- (D) Suitable payment option can be selected for Tender fees & EMD. Amount should be paid Only by **Online-payment. Payment of Tender Fees & EMD by RTGS/NEFT/on line shall be encouraged. RTGS/NEFT detail 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 (Tender Fee / EMD)

To:

- a. setrnadiad.getco@gebmail.com
b. decm2nadiad.getco@gebmail.com
c. aotrnnadiad@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.	02900200000624
3	Name of Bank	Bank of Baroda
4	Address of Bank	Main Branch, Basudiwala Tarrace, Santram Road, Nadiad
5	IFSC Code	BARB0NADIAD
6	PAN No	AABCG4029R
7	TAN No	BRDG01028G
8	GST No	24AABCG4029R2ZC

- (E) In case short submission of documents with bid and / or clarification if any required from the bidder, the required details / documents may be asked from bidder in physical form.
- (F) It shall be sole responsibility of the bidder that the uploaded scanned documents (in PDF form) remain legible and should not be password protected.
- (G) All the relevant scanned documents as per requirement of the tender are to be upload through online only on n procure portal including Tender fee and EMD. .
- (H) Tender will be evaluated on basis of Data / Details / Documents submitted by online form only.**
- (I) It is mandatory for all the bidders to upload their tender documents by on line only (E-tendering) in scheduled time. **No documents shall be considered physically which are mentioned for on-line submission only.**
- (J) The bidders are required to fill up all the online annexure / forms (word file attached) and shall be uploaded invariably. This is intended for transparency and speedy evaluation of the bids. Instead of simply Seal & Signature of Bidder

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confirming / attached in bid / refer physical offer, the Bidder shall fill in the particulars against appropriate place in respect of each line appearing in each online annexure. Wherever required, bidder shall invariably have to upload supporting authentic documents in the online bid. (In the absence of required details in the online annexure, the purchaser has every right to evaluate the bids accordingly and bidder cannot raise any objection against any point during evaluation.)

- (K) Bidders are requested to remain in touch with the web-site for any amendment / corrigendum or extension of due date etc
- (L) No tender shall be accepted / opened in case of receipt after due date and time of tender.
- (M) The Earnest Money Deposit and tender fee will be accepted by NEFT/RTGS . NEFT/RTGS with different purchaser or agency shall not be accepted. Tender without EMD and tender fee shall be rejected.
- (N) 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, Opp. Collector office, P.O. Dabhan, Nadiad, Dist. Kheda, Gujarat, Pin - 387320.**

GETCO reserves the right to reject any OR all tenders without assigning any reasons thereof.

Yours faithfully,

**Superintending Engineer (TR)
Transmission Circle office
GETCO -NADIAD**

To view the PDF file please use “Acrobat Reader” software which can be downloaded from ‘Adobe’ website.

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

Part-I: Commercial Terms & conditions

Part-II: Technical specifications & GTP'S, Schedule “A” indicating the quantity & drawings 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: nprocure@gnvfc.net

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Sr.No.	Document	Document Code	Part	Page No.
1.	Tender Notice	-	I	1-4
2.	Instructions to Tenderers	ITB	I	5-15
3.	General Conditions of Contract	GCC	I	
4.	Scope of Work		I	
5.	General Information	SCC	I	58-70
6.	Special Conditions of Contract with Declaration Form	SCC	I	70-80
7.	Bid Form and Price Schedules	BF/PS	IV	80-83

**GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
BARODA**

Date :

I N T E G R I T Y P A C T

OUR ENEAVOUR

To create environment where Business Confidence is built through Best Business Practices and is fostered in an atmosphere of trust and respect between providers of goods and services and their users for the ultimate benefit of society a the nation.

GETCO COMMITMENT

- ☐ To maintain the highest ethical standards in business and professional
- ☐ Ensure maximum transparency to the Satisfaction of stakeholders.
- ☐ To ensure to fulfill the terms of agreement / contract and to consider objectively the viewpoint of parties.
- ☐ To ensure regular and timely release of payment on due dates for work done.
- ☐ To ensure that no improper demand is made by employees or by anyone on our behalf.
- ☐ To give maximum possible assistance to all the Vendors / Suppliers / Service provider and other to enable them to complete the contract in time.
- ☐ To provide all information to suppliers/ contractors relating to contract / Job which facilitate him to complete the contract / job successfully in time.
- ☐ To ensure minimum hurdles to Vendors/ suppliers / contractors in complete of agreement / contract / work order.

PARTY'S COMMITMENT

- ☐ Not to bring pressure / recommendations outside GETCO to influence its decision.
- ☐ Not to use intimidation, threat, inducement or Pressure of any kind on GETCO or any of it's employees under any circumstances.
- ☐ To be prompt and reasonable in fulfilling the contract, agreement, legal obligations.
- ☐ To provide goods and / or services timely as per agreed quality and specifications at minimum cost of GETCO.
- ☐ To abide by the general discipline to be maintained in our dealings.
- ☐ To be true and honest in furnishing information including payment to agents / sub-agent.
- ☐ Not to divulge any information, business details available during the course of business relationship to others without the written consent of GETCO.
- ☐ Not to enter into carter / syndicate / understanding whether formal / non-formal so as to influence the price.

Seal & Signature
(GETCO Authorized Signatory)

Seal & Signature
(Party's Authorized Person)

Name :
Designation :

Name :

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PART-I - ITB
INSTRUCTIONS TO BIDDERS

A. INTRODUCTION

1.0 General Particulars

1.1 The Gujarat Energy Transmission Corporation Ltd., Baroda hereinafter called “/ ‘OWNER’ intends to receive bids for erection of structures and all equipments including earthing installation 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

- 1 [A] 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 **80KW** 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.
- 5 **Financial Statement:** 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.
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 submit with physical Technical bid.

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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 No.3A (Experience Certificate as main contractor) only as Per Qualification Requirement	
5	Bank Solvency Certificate	
6	GST Registration Number Documents	
7	Nature of Firm: Partnership deed/Latest Form-G/ POA/Authorized Signatory Certificate for Partnership	
	Self-Affidavit/POA/Authorized Signatory Certificate for Proprietorship	
8	Provident Fund Code Number Documents	
9	PAN Number Document	
10	Income Tax Return, Profit Loss Accounts and Balance sheet of Last Three Financial Years	
11	Electrical Contractor License	
13	Filling Annexure 1 to 8	

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Technical Specification

Survey, Survey, Design, Supply, Installation, Commission and maintenance of Solar PV System for 5 years as a rooftop at Control Room terrace of Various 220KV,132KV and 66KV Sub Stations under Ranasan AM Division under Nadiad circle. {Scheme R&M 24-25}.

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

S. N	Proposed Capacity
1	220KV Ranasan : 55 KW
2	132KV Sabarmati : 42 KW
3	66KV Dehgam : 25 KW
4	66KV Naroda : 25 KW
5	66KV Science City: 20 KW
6	66KV Tragad: 20 KW
For Changes of Capacity, Site location, Sub stations if require all rights to GETCO, Bidder should be accept any changes un-conditionally.	

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 20th February, 2018.

In absence of the ALMM, the Shortlisted bidder 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 MNRE, 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.

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- 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:

Total Work completion of time limit is 12 (Twelve) Months from Date of Commencement. 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.

Date of commencement will be Given by Concern Executive Engineer -AMD.

TECHNICAL SPECIFICATIONS FOR GRID CONNECTED SPV SYSTEMS