

**भारतीय प्रौद्योगिकी संस्थान गांधीनगर**  
**Indian Institute of Technology Gandhinagar**



**Notice Inviting e-Tender**

**Name of work: Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.**

NIT No. 08/IITGN/IWD/2025-2026

## OFFICE MEMORANDUM

No. 08/IITGN/IWD/2025-2026

Notice Inviting e-Tender for the following work has been approved for Rs 30,26,703/-

1.	Name of Work	:	Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.
2.	N. I. T. No	:	08/IITGN/IWD/2025-2026
3.	Head of Account	:	O &M of E&M installations

**Superintending Engineer  
IIT Gandhinagar**

Copy along with NIT forwarded to:

1. Director, IIT Gandhinagar
2. Notice Board, IIT Gandhinagar
3. Website of IITGN and CPPP.

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### e-Tender Notice

The Superintending Engineer, IIT Gandhinagar, Palaj, Gandhinagar, invites online **percentage rate bids** on behalf of the Director, IITGN in two-bid system for the following work:

NIT No.	<b>08/IITGN/IWD/2025-2026</b>
<b>Name of Work</b>	Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.
<b>Eligibility</b>	Specialised firm in the field of SITC/AMC of Solar Power Plant.
<b>Estimated Cost</b>	Rs 30,26,703
<b>Tender Fee</b>	NIL
<b>Earnest Money</b>	Rs. 60,534/-
<b>Period of completion</b>	36 Months
<b>Critical Dates:</b>	
Publish Date	06.06.2025, 18:30 Hrs.
Document Download start date	06.06.2025, 18:30 Hrs
Pre- Bid Meeting	11.06.2025, 11:00 Hrs
Bid submission start date	12.06.2025, 10.00 Hrs
Document Download end date	23.06.2025, 15.00 Hrs
Bid submission end date	23.06.2025, 15.00 Hrs
Bid opening date	24.06.2025 ,15.30 Hrs

# भारतीय प्रौद्योगिकी संस्थान गांधीनगर

## INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

### INFORMATION & INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF TENDER DOCUMENT AND TO BE POSTED ON WEBSITE

The Superintending Engineer, Indian Institute of Technology Gandhinagar (IITGN), Academic Block No. 09/303, IIT Gandhinagar, Palaj, Gandhinagar, Gujarat- 382055 on behalf of the Director, IIT Gandhinagar invites the **online percentage rate tender**, in two-bid system, from Specialised firms in the field of SITC/AMC of Solar Power Plant.

SN	NIT No.	Name of Work	Estimated Cost	Tender Processing fee	Earnest Money	Period of Completion	Last date & time of uploading of eligibility & Financial Bid, Original EMD, tender fee & other documents	Time and date of opening of eligibility Bid / documents
1	08/IITGN/IWD/2025-2026	Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.	Rs 30,26,703/-	NIL	Rs. 60,534/-	36 (Thirty-Six) Months	23.06.2025 Up to 15:00 hrs	24.06.2025 at 15:30 hrs

1. The firms/Contractors who fulfil the following requirements shall be eligible to apply.

Firms having Experience in the maintenance of similar work during the last seven years ending last day of the month previous to the one in which tenders are invited.

One similar work of value not less than 80% of ECPT

OR

Two similar works, each of value not less than 60% of ECPT

OR

Three similar works, each of value not less than 40% of ECPT

**“Similar work shall mean Annual Maintenance of Solar Power Plant of Minimum 400kWp in a single work”.**

The value of the work carried out shall be brought to the current level by enhancing the actual value of work at the simple rate of 7% per annum, calculated from the date of completion to the previous day of the last day of submission of tenders.

The contractor shall submit the completion certificate for such works for pre-qualification. Pre-qualification application received without such experience (Completion Certificate) shall be summarily rejected.

2. Tenderer shall submit self-attested certificate of completion certificate(s), issued by the officer not below the rank of Executive Engineer or equivalent in case of Govt works. For non-Govt. work the completion certificate shall be accompanied by the TDS certificate indicating payment made to the firm against the work. The completion certificate must clearly indicate.
  1. Name of work
  2. Stipulated date of start and actual date of completion.
  3. Gross Value of work done
  4. That the work has been completed satisfactorily.
  5. Full address of the client, officer issuing the certificate and location where work is executed.

To become eligible for consideration of the bid, the bidder shall have to furnish an affidavit as under.

I/ we undertake and confirm that eligible works has/ have not been executed through another contractor back-to-back basis. Further, if such violation comes to the notice of the institute before the date of start of work, the engineer In Charge shall be free to forfeit the entire amount of the Earnest money and Performance guarantee deposited.

3. Applicant has to deposit an Online payment of Rs. 60,534/- (Rs. Sixty Thousand Five Hundred and Thirty-Four Only) towards refundable EMD.
4. Details for online payment:  
Beneficiary name: **IIT Gandhinagar Revenue Account**  
Account no: 5159132000006  
IFSC Code: CNRB0005159  
Bank Name: Canara Bank  
Branch address: Campus of IITGN, Palaj, Gandhinagar, Gujarat 382055.  
The bank transaction reference slip shall be uploaded with the PQ bid.
5. The details of online transfer must be provided at 'Form A' available with this document. The form A must be uploaded in the PQ bid of the tender bid document, with a subject line – 'Tender Fees & EMD for NIT No: 08/IITGN/IWD/2025-2026.
6. The EMD of the successful bidder will be returned without any interest after submission of the Performance Guarantee. The earnest money of unsuccessful bidders shall be returned after financial evaluation. Please provide details of particulars for the refund in 'Form B' and upload the same along with PQ bid'. For further queries regarding the EMD, bidder(s) are required to contact the Assistant Executive Engineer, IITGN, through e-mail, [aee1.electrical@iitgn.ac.in](mailto:aee1.electrical@iitgn.ac.in)
7. The following guideline shall be followed with regard to the submission of tender: Tender will be submitted online only and in a two-bid system.

### **Part-1 PQ cum Technical Bid**

- a). This Bid will contain documents related to eligibility criteria, including a scanned copy of EMD and a list of documents mentioned in NIT to be scanned and uploaded. Experience Certificates will be signed by the officers of not below the rank of Executive Engineer in case of Government departments/ Government Undertakings. In the case of Private organisations, certificates should be accompanied by respective TDS certificates.
- b). Schedule of departure- **Annexure-II**
- c). Solvency, Annual turnover certificate & Financial Turnover.

### **Part-II Price Bid**

8. The time & date of opening the price bid shall be intimated later on by the Superintending Engineer, Institute Works Department, Indian Institute of Technology Gandhinagar, Academic Block-9/303 Village Palaj, Gandhinagar, Gujarat-382055.

9. The intending bidder must read the terms and conditions of **CPWD-6** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

10. Information and Instructions for bidders posted on the website shall form part of this bid document. Bid documents, consisting of plans, specifications, the schedule of quantities of items to be executed and a set of terms and conditions of the contract, can be seen and downloaded from the website [http://www.iitgn.ac.in/tender\\_bwd.htm](http://www.iitgn.ac.in/tender_bwd.htm) or [www.eprocure.gov.in](http://www.eprocure.gov.in)

11. IIT Gandhinagar reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

12. The intending bidder must have a valid class-III digital signature to submit the tender.

13. The contractor can upload documents in the form of JPG format and PDF format.

14. Contractor must ensure to quote a percentage rate above or below of estimated cost.

15. The eligibility bid shall be opened first on the due date and time as mentioned above. The price bid shall be opened for eligible firms only.

16. On the opening date, the contractor can log in and see the tender opening process. After the opening of tenders, he will receive the competitor tender sheets.

#### **17. Availability of Office:**

Perspective tenderer shall have an **Office Premises** in Gujarat. A certificate in this effect shall be issued by the tenderer, and the address of the local service station shall be mentioned in the certificate attached. In case a successful contractor does not have an Office at Ahmedabad/Gandhinagar, he will acquire an office at Ahmedabad/Gandhinagar and depute his management staff within 15 days of the award of work, failing which recovery of Rs. 50,000/- PM shall be effected from his bill.

**18. Pre-Bid Conference will be held on 11.06.2025 at 11.00 Hrs, in the office of the Superintending Engineer, IITGN, Palaj, Gandhinagar.**

19. List of documents to be filled in by the bidders in various forms as indicated in NIT, to be scanned and uploaded within the period of bid submission:

<b>Sr. No.</b>	<b>List of documents to be uploaded</b>
1	<b>EMD &amp; Tender fee:</b> Scanned copy of the Bank transaction slip
2	Certificate of Registration for GST.
3	PAN card and Bank Account Details
4	Work experience/ Completion Certificate for eligibility criteria
5	Schedule of Departure from Specifications with this NIT Annexure-II
6	Declaration of office address at Gujarat Annexures-III
7	Form – A
8	Form – B
9	<b>NIT duly signed</b>

20. Any clarification on the content of the NIT/ Tender document can be referred to the Superintending Engineer, IIT Gandhinagar (Phone No. 079-2395-1175), email: aee1.electrical@iitgn.ac.in by making a written request up to **11.06.2025 at 17:00 Hrs.** The effort will be made to issue clarification in this connection in writing in the next days by IIT Gandhinagar.

21. Corrigendum / Addendum to this tender if any, will be uploaded on the website mentioned above. Bidders / prospective bidders may kindly note this.

**Superintending Engineer  
IIT Gandhinagar**



**FOR e-TENDERING**

The Superintending Engineer, Indian Institute of Technology Gandhinagar (IITGN), Academic Block No. 09/303, IIT Gandhinagar, Palaj, Gandhinagar, Gujarat 382055 on behalf of the Director, IIT Gandhinagar invites the online percentage rate bid, in a two-bid system, from firm having experience SITC/AMC of Solar Power Plant.

**Name of Work:** Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.

1.1 The work is estimated to cost Rs. 30,26,703/-. This estimated cost, however, is given merely as a rough guide.

The firms/Contractors who fulfil the following requirements shall be eligible to apply.

Firms having Experience in the maintenance of similar work during the last seven years, ending last day of the month previous to the one in which tenders are invited.

One similar work of value not less than 80%

OR

Two similar works, each of value not less than 60%

OR

Three similar works, each of value not less than 40%

**“Similar work shall mean Annual Maintenance of Solar Power Plant of Minimum 400kWp in a single work”.**

The value of work carried out shall be brought to the current level by enhancing the actual value of work at the simple rate of 7% per annum, calculated from the date of completion to the previous day of the last day of submission of tenders.

a) Contractor shall submit the completion certificate of such work for pre-qualification. Pre-qualification application uploaded without such experience (Completion Certificate) shall be summarily rejected.

1.2 Applicant has to deposit an Online payment of Rs. 60,534/- (Rs. Sixty Thousand Five Hundred Thirty-Four Only) towards refundable EMD.

1.3 Details for online payment:

Beneficiary name: IIT Gandhinagar Revenue Account

Account no: 5159132000006

IFSC Code: CNRB0005159

Bank Name: Canara Bank

Branch address: Campus of IITGN, Palaj, Gandhinagar, Gujarat 382055.

The bank transaction reference slip shall be uploaded with the PQ bid.

1.4 Contractor has to upload self-attested copies of Completion certificate(s) issued by the officer, not below the rank of Executive Engineer or equivalent, for Govt works, in a readable format. For non-Govt.

work the completion certificate shall be accompanied by TDS certificate indicating payment made to the firm against the work.

The completion certificate must clearly indicate.

The completion certificate must clearly indicate.

- a. Name of Work
  - b. Stipulated date of Start and actual date of completion
  - c. Gross value of work done.
  - d. That the work has been completed satisfactorily.
  - e. Full address of the client, the officer issuing the certificate and the location where work is executed.
2. Agreement shall be drawn with the successful bidders on the prescribed Form No. CPWD-7 (or other Standard Form as mentioned), which is available as a Govt of India Publication (and available on website [www. cpwd.gov.in](http://www.cpwd.gov.in) Bidders shall quote their rates as per various terms and conditions of the said form, which will form part of the agreement.
  3. The time allowed for carrying out the work will be 36 (Thirty-Six) Months from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
  4. The site for the work is available.
  5. The bid document, consisting of plans, specifications, the schedule of quantities of various types of items to be executed, and the set of terms and conditions of the contract to be complied with and other necessary documents except the Standard General Conditions of Contract Form, can be seen on the website [http://www.iitgn.ac.in/tender\\_bwd.htm](http://www.iitgn.ac.in/tender_bwd.htm) or [www.eprocure.gov.in](http://www.eprocure.gov.in)
  6. The bid submitted shall become invalid and the e-tender fee shall not be refunded if:
    - (i) The bidders are found ineligible.
    - (ii) The bidders do not submit all the documents as stipulated in the bid document.
    - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of the bid and hard copies as submitted physically by the bidder in the office of the bid opening authority.
    - (iv) If a tenderer quotes nil rates against each item in the item rate tender or does not quote on the total amount, the tender shall be treated as invalid and will not be considered as the lowest tenderer.
  7. The contractor whose bid is accepted will be required to furnish a performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule "F", including the extended period, if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor, and the tender will be cancelled by the

tender inviting authority. The contractor shall be suspended for one year and shall not be eligible to bid for the institute from the date of issue of suspension orders. The earnest money deposited along with the bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either a copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, including Provident Fund Code No. if applicable, and also ensure the compliance of the aforesaid provisions by the sub-contractors, if any, engaged by the contractor for the said work within the period specified in Schedule F.

8. The description of the work is as follows:

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site, whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at their own cost all materials, tools & plants, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9. The competent authority on behalf of the Director, IIT Gandhinagar, does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition, including that of a conditional rebate, is put forth by the bidders shall be summarily rejected.
10. Canvassing, whether directly or indirectly, in connection with bidders is strictly prohibited, and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
11. The Competent Authority on behalf of the Director of IITGN, Gandhinagar, reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
12. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who has not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
13. The bid for the works shall remain open for acceptance for a period of 75 days from the date of opening of the bid. If any bidders withdraw his bid before the said period or issue of letter of

acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the IIT shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further, the bidders shall not be allowed to participate in the re-bidding process of the work.

14. This notice-inviting bid shall form a part of the contract document. The successful bidders/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:

- a) The Notice Inviting e-Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard CPWD Form-7 or other Standard CPWD Form as applicable.

**Superintending Engineer**  
**IIT Gandhinagar**

## **UNDERTAKING**

To,

The Superintending Engineer  
IIT Gandhinagar

**Subject:** Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.

Sir,

I/we undertake and confirm that the eligible work(s) has/ have not been got executed through another contractor on a back-to-back basis. Further, if such violation comes to the notice of the Institute, then I/we shall be liable for appropriate Panel action as decided by the Institute, i/c debarred from work in the Institute/ CPWD, in future forever.

Also, if such a violation comes to the notice of the Institute before the date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of the Earnest money deposited/Performance Guarantee.

Seal of bidder:

Date of submission:

Signature(s) of Bidder(s)

**IIT Gandhinagar****PERCENTAGE RATE e-TENDER & CONTRACT FOR WORK**

Tender for the work of “Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.”

To be submitted online as per (NIT) to the **Superintending Engineer, IIT Gandhinagar, Palaj, Gandhinagar (Gujarat).**

To be downloaded (opened) in the presence of tenderers/their authorised representative who may be present on the scheduled date as per NIT in the office of the **Superintending Engineer, IIT Gandhinagar, Palaj, Gandhinagar (Gujarat).**

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F, Specification applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Director, Gandhinagar within the time specified in Schedule ‘F’ viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for **Seventy-five (75) days** from the due date.

A sum of Rs. 60,534/- is deposited towards EMD online in favour of IIT, Gandhinagar as earnest money and the bank slip is attached. I/We agree that the Director IITGN or his representative, in office, shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said Director, IIT Gandhinagar or his authorized representative or his successors, in office shall without prejudice to any other right or remedy, be at liberty to take action against us as per term of NIT. Further, if I/We fail to commence work as specified, I/We agree that the Director, IIT Gandhinagar or his authorised representative or his successors in office shall, without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to in those in excess of that limit at the rates to be determined in accordance with the provisions contained in Clauses 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred from participation in the re-tendering process of the work.

**Dated: -**

**Witness: -**

**Address: -**

**Occupation: -**

**Signature of Contractor**

**Postal Address:**

## ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Director, IITGN, for a sum of Rs. ....

(Rupees.....  
.....)

The letters referred to below shall form part of this contract agreement: -

(a)

(b)

(c)

For & on behalf of the IITGN.

Signatures.....

Designation:

Date:



<b>PROFORMA OF SCHEDULES</b>	<b>IITGN</b>
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#### **SCHEDULE 'A'**

Schedule of quantities

#### **SCHEDULE 'B'**

Schedule of materials to be issued to the contractor: -

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to be contractor	Place of issue
1	2	3	4	5
			← <span style="border: 1px solid black; padding: 2px;">NIL</span> →	

#### **SCHEDULE 'C'**

Tools and plants to be hired to the contractor: -

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4
		← <span style="border: 1px solid black; padding: 2px;">NIL</span> →	

#### **SCHEDULE 'D'**

Extra schedule for specific requirements/document for the work, if any: - Nil

#### **SCHEDULE 'E'**

Reference to General Conditions of contract

: General Conditions of Contract (GCC) for Maintenance work 2023 (Corrected up to last date of submission of tender).

Name of Work

: Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar

Estimated Cost of work

: Rs 30,26,703/-

i) Earnest Money

: Rs. 60,534/- (To be returned after receipt of Performance Guarantee)

(ii) Performance Guarantee

: 5% of tendered value

(iii) Security Deposit

: 2.5% of tendered value

**SCHEDULE 'F'****GENERAL RULES & DIRECTIONS:**

Officer inviting tender

**: The Superintending Engineer,  
IIT Gandhinagar**

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3:

**DEFINITIONS:**

2(vi) Engineer -in- Charge	:	As appointed by <u>Superintending Engineer, IITGN.</u>
2(viii) Accepting Authority	:	<u>Superintending Engineer, IITGN.</u>
2(x) Percentage on cost of materials and Labour to cover all overheads and profits	:	15%
2(xi) Department	:	<u>Institute Works Department, IITGN</u>
9(ii) Standard CPWD Contract Form	:	<u>GCC-2023 for Maintenance work CPWD Form-7 modified &amp; Corrected up to date.</u>
Clause 1		
(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	:	07 days
(ii) Maximum allowable extension with late fee @0.1% per day of performance guarantee amount beyond the period provided in (i) above	:	03 days
<b>Clause 2</b>		
Authority for fixing compensation under Clause-2	:	<b>Director, IIT Gandhinagar.</b>
<b>Clause 2A</b>		
Whether Clause 2A shall be applicable	:	<b>No</b>
<b>Clause 5</b> Number of days from the date of issue of letter of acceptance for reckoning date of start	:	<b>07 days</b>

**Mile stone(s) as per Table given below:**

S. No.	Description of Milestone (Financial)	Time allowed in days (from date of start)	Amount to be withheld in case of non-achievement of mile stone
Nil			

**Time allowed for execution of work : 36 (Thirty-Six) Months.**

**Authority to decide:**

- (i) Extension of Time: **: Superintending Engineer, IITGN**  
(ii) Rescheduling of Mile-stones: **: N.A**  
**(iii) Shifting of the date of start in case of**

delay in handing over of site	: <b>Superintending Engineer, IITGN</b>
<b>Clause 5.2</b>	: Applicable
<b>Clause 6</b>	: <b>Applicable</b>
<b>Clause 7</b>	
Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment is	: Quarterly
<b>Clause 7A</b>	
Whether clause 7 A Shall be applicable	: Yes
<b>Clause 10A</b>	: <b>Applicable</b>
<b>Clause 10B</b>	: <b>Applicable</b>
<b>Clause 10C</b>	
Component of labour expressed as percentage of value of work	: 40 %
<b><u>Clause 10 CC</u></b>	
<b>Clause 10 CC:</b> to be applicable in contracts with stipulated period of completion exceeding the period shown in next column: <b><u>Not Applicable</u></b>	
Schedule of component of other Materials, Labour, POL etc. for price escalation.	
<b>Component of Civil</b> (except materials covered under <b>Clause 10CA</b> )/ Electrical construction Materials Expressed as percentage of total value of work	: X m ( <u>Not applicable</u> )....%
<b>Component of Labour:</b>	
Expressed as percentage of total value of work	: Y ( <u>Not applicable</u> ) ....%
<b>Component of P.O.L.:</b>	
Expressed as percentage of total value of work	: Z ( <u>Not applicable</u> ) ....%
<b>Clause 11</b>	
Specifications to be followed for execution of work	: 1) CPWD General Specification for Electrical work Part-1 (Internal)-2023 Electrical Works Part-II (External) – 2023, 2) BIS Specification as applicable 3) Manufacturer Standard
<b>Clause 12</b>	
<b>Type of Work</b>	: <b>Maintenance Work</b>
<b>12.2. &amp; 12.3:</b> Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work	: <b><u>NO Limit</u></b>
<b>12.5:</b> Deviation Limit beyond which Clause- 12.2 & 12.3 shall apply for Foundation Work	: <b><u>Not Applicable</u></b>
<b>Clause 16</b>	
Competent Authority for Deciding reduced rates:	: The Superintending Engineer, IIT Gandhinagar

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at site: **As per NIT condition**

**Clause 25**

<b>Constitution of Dispute Redressal Committee (DRC)</b>	<b>Competent Authority to appoint DRC</b>
DRC shall constitute one Chairman and two members.	Director, IITGN, Gandhinagar

**Clause 32****Requirement of Technical Representative(s) and recovery Rate:**

Sr. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal/ Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32	
						Figures	Words
1	Graduate Engineer or Diploma Engineer	Electrical/ Mechanical	Project planning/ site, billing engineer	2 or 5 years respectively	1	15000/- Per month	(Rupees Fifteen Thousand per person per month)

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10-year relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment

**Clause 38**

- (i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of **Delhi Schedule of Rates- 2022** printed by C.P.W.D.
- (ii) Variations permissible on theoretical quantities:
  - (a) Cement:

For works with estimated cost put to tender not more than Rs. 5 lakhs:	3% plus/minus.
For works with estimated cost put to tender more than Rs.5 lakhs:	2% plus/minus.
Bitumen All Works:	2.5% <b>plus &amp; only &amp;</b> Nil on minus side.

- (b) Steel Reinforcement and structural  
Steel Sections for each diameter,  
Section and Category 2% plus/minus
- (d) All other materials Nil

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION**

Sr. No.	Description of Item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
1.	Cement	Nil	
2.	Steel Reinforcement	Nil	

## **SAFETY MEASURES**

**1.1.1** The issue of construction safety & standards has gained utmost importance in recent times. Contractors must follow the highest safety standards and “ZERO” tolerance towards any violation of safety norms at the construction site. *All workers of contractor and associate agencies, invariably and at all times, must follow all safety norms, adopt best safe work practices as per the requirements of the job and use all required safety gadgets in their work throughout the project duration.*

**Note: 1** The special conditions detailed above are in addition to general/ other/ additional conditions as specified elsewhere in the tender document.

**Note: 2** Nothing extra shall be paid on the account of these special conditions.

**The Engineer-in-Charge can stop the work and seek the removal of any workers from the site in case of non-adoption of safety measures.**

## **General and Additional Conditions**

### **1. General**

**1.1** The work shall be executed as per CPWD General Specifications for Electrical Works (Part I – Internal) 2023, (Part II–External) 2023, IE Rule 1956, wherever applicable, relevant IS and as per the manufacturer's recommendation/directions of the Engineer-in-Charge. The technical specifications are to be read in conjunction with the above, and in case of variations, the technical specifications of the tender document shall apply. Nothing extra shall be paid on account of additional features in the technical specifications as the same are to be read along with the schedule of quantities for the work.

**1.2** The Department shall not issue any T & P, and nothing extra shall be paid on account of this.

**1.3** The work to be awarded by this tender shall be treated as an indivisible works contract.

### **2. Terms of payment:**

Payment shall be made on quarterly basis.

### **3. Rates:**

The rates quoted by the tenderer shall be firm and inclusive of GST & all other taxes, duties, levies and all charges for packing, forwarding, insurance, freight and delivery, installation, testing, commissioning at site, risks, overhead charges, general liabilities/obligations. Nothing Extra shall be paid on this account.

### **4. Completeness of tender:**

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, making hole, making openings in wall for installation work, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

### **5. Storage and custody of materials:**

The Control room/Store room may be used for storage of sundry materials and erection equipment, if available, or else the agency has to make their own arrangement. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

### **6. Availability of Office:**

Perspective tenderer shall have an **Office Premises** at Gujarat. A certificate in this effect shall be issued by the tenderer, and the address of the local service station shall be mentioned in the certificate attached. In case the successful contractor does not have an Office at Ahmedabad/Gandhinagar, he will acquire an office at Ahmedabad/Gandhinagar and depute his management staff within 15 days of the award of work, failing which recovery of Rs. 50,000/- per month shall be effected from his bill.

### **7. Care of the Building:**

Care shall be taken by the contractor while handling and maintaining the various equipment and components of the work to avoid damage to the building. They shall be responsible for repairing all

damages and restoring the same to their original finish at their cost. They shall also remove at their cost all unwanted and waste materials arising out of the installation from the site of work.

#### **8. Completion period:**

The completion period indicated in the tender documents is for the entire work.

#### **9. Performance Guarantee:**

The tenderer shall guarantee, among other things, the following vis-à-vis specifications.

- a. Quality, strength and performance of the materials used.
- b. Safe mechanical and electrical stress on all parts under all specified conditions of operation.
- c. Satisfactory operation during the maintenance period.

#### **10. Power Supply:**

Power Supply for the purpose of Installation of plant and equipment shall be provided by IIT from a predefined point. However, making arrangements for the safe connection for the use of the supply, to the satisfaction of the Engineer in Charge, shall be the responsibility of the contractor.

#### **11. After Award of Work:**

The Contractor shall prepare the programme chart for the execution of the work showing clearly all activities from the start of work to the completion, with details of requirements of materials, man power, equipment and machinery deployment, required for the completion of the work within the stipulated period and submit the same to the Engineer-in-Charge within seven days after the issue of letter for commencement of the work. The Contractor shall also submit fortnightly programme and progress reports and update / re-schedule the same every week. These shall be submitted by the contractor in soft copy also besides forwarding hard copy of the same.

The successful tenderer should furnish well in advance three copies of detailed instructions, maintenance manuals and a checklist of manufacturers for all items of equipment regarding operation and maintenance i/c preventive maintenance & troubleshooting shooting together with all the relevant data sheets and workshop procedures for repairs, assembly and adjustment, etc., all in triplicate.

#### **12. Extent of work:**

**12.1** The work shall comprise of entire labour, including supervision and all materials necessary to maintain the installation mentioned under the scope of work. The term comprehensive maintenance shall not only mean maintenance of major items like plant and equipment covered under the scope, but also general requirements that are necessary and related to the operation of the system.

**12.2** Minor building works necessary for installation of equipment, foundation, making of openings in walls or floors and restoring to their original condition, finish and necessary grouting, etc, as required to be undertaken.

**12.3** Any item required for completion of the project but left inadvertently shall be executed within the quoted rates.

**12.4** Sealing of all cable entry pipes, making all racks rodent and worm proof. Any incident of a cut in wiring/ instrument by rodents shall be the responsibility of the successful tenderer for repair in the quoted rate.



### **13. Works to be arranged by Department:**

Unless otherwise specified in the tender documents, the following works shall be arranged by the Department:

- a. Space for accommodating all the equipment and components involved in the work.
- b. Power supply and drain points.
- c. Masonry ducts/service trench within and outside the building for carrying pipelines and cables wherever specified.

### **14. Works carried out by the Contractor:**

Unless otherwise mentioned in the tender documents, the following works shall be done by the contractor and therefore, their cost shall be deemed to be included in their tendered cost, whether specifically indicated in the schedule of work or not:

- a. Foundation for equipment, including foundation bolts and vibration isolation springs/pads.
- b. Suspenders, brackets and floor/wall supports for suspending /supporting equipment.
- c. Sealing of all floor, slab and wall openings provided by him for pipes and cables, from the fire safety point of view, after laying of the same.
- d. Damages to pre-painted items while handling and erection shall be rectified to the satisfaction of the Engineer-in-Charge.
- e. Making openings in the walls/floors/slabs or modification in the existing openings wherever provided for carrying pipeline, ducts, cables, etc.
- f. Cutting and making good all damages caused to the structure during installation and restoring the same to their original finish.

### **15. Compliance with Regulations and Indian standards**

All works shall be carried out in accordance with relevant regulations, both statutory and those specified by the Indian Standards related to this work. In particular, the equipment and installation shall comply with the following:

- a. Factories Act
- b. Indian Electricity Rules
- c. I.S. & BS Standards as applicable
- d. Workmen's Compensation Act
- e. Statutory norms prescribed by local bodies

Nothing in this tender shall be construed to relieve the successful tenderer of their responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

### **16. Indemnity**

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipment and ancillary equipment under the supervision of the successful tenderer in so far

as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

**17. Erection Tools:**

No tools and tackles either for unloading for shifting the equipments for erection purposes would be made available by the Institute. The successful tenderer shall make own arrangement for all these facilities.

**18. Cooperation with other agencies:**

The successful tender shall co-ordinate with other contractors and agencies engaged in the construction of the building and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any existing portion of the building has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself. Water proofing of pits shall not be damaged under any circumstances.

**19. Mobilization Advance:**

No mobilisation advance shall be paid for this work.

**20. Verification of the correctness of the Equipment at the Destination:**

The contractor shall have to produce all the relevant records to certify that genuine equipment from the manufacturers has been supplied and erected.

**21. Painting:**

This shall exclude the cost of painting of entire exposed ironwork in the installation.

**22. Order of Preference:**

Should there be any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following order of preference shall be followed:

1. Schedule of quantities
2. Additional and Commercial Conditions
3. Technical specifications specified in the tender
4. General Conditions of Contract for CPWD Works
5. Drawings
6. CPWD General Specifications
7. Relevant IS or any other International code in case IS code is not available.

**23 Document Submission after completion of work**

After completion of work contractor shall handover complete installation back to institute in perfectly working order.

## **SCOPE OF WORK**

1. Scope of work includes routine preventive maintenance of rooftop solar power plants installed in the hostels, academic blocks, and solar park parking, attending breakdown maintenance, troubleshooting, repair of defective parts, monitoring of system performance, health check & Submission of reports work done with observations noted during preventive maintenance.

**Equipment/Spare required for repair/ replacement work shall be issued to the contractor by IITGN free of cost, however, manpower/ labour required shall be deemed included in the quoted rate, and no extra cost will be paid on this account.**

2. Supply, Installation, Testing and Commissioning of Power Conditioning Unit (PCU) of 25 kW as per the requirement.
3. All minor consumable items like Nut bolts, screws, Cotton cloths, Lugs, connectors, etc. shall be deemed included in the quoted rate.
4. All T&P required for the work shall be arranged by the contractor at the quoted rate.
5. Routine maintenance & preventive maintenance shall be carried out as per manufacturer standards, instructions of the Engineer-in-Charge & as per standards prescribed. The successful bidder is advised to visit the site & acquaint himself with site conditions before quoting the rates.
6. During Regular Maintenance Visit.

### **Health check of Inverter: -**

- a. Check for any abnormal heating
- b. Check all MPPTs working in the inverter
- c. Any observed physical or electrical damage
- d. Check connection tightness for AC and DC connectors and cables
- e. Noting down of display generation reading of total power generation.

### **ACDB & DCDB check: -**

- f. Check all connections and switch gears used.
- g. Check of SPD used.
- h. Any abnormal heating.
- i. Tightness of connections.

### **String Health check: -**

- j. Check string voltage.
- k. Check the floating voltage of the string.
- l. Check of string current.
- m. Visual check of all the connections & cables.

### **General Observation and submission: -**

- n. Total plant generation.
- o. Generation for a quarter.
- p. Any observed electrical or physical damage in the plant.
- q. Observed Capacity utilisation during the quarter.

- r. Breakdown observed /Record if any.
- s. Correction done if any.
- t. Reading of the Solar meter and import-export
- u. Any required correction suggestions for improvement of plant health
- v. Status of solar module cleaning

**For forwarded Breakdown call: -**

- w. Forwarded breakdown call must be attended in 3 working day
- x. Breakdown analysis and required correction must be done in 5 working day
- y. Within 7 working days' a detailed report for any breakdown should be submitted
- z. If require any material to replace during the breakdown call, all specifications with detailed formal quotation must be submitted within 7 working days.
- aa. For any replacement of material for mechanical or electrical part guarantee or warranty must be 1 year against observing any manufacturing defect.
- bb. For any electronics part or solar module replaced part warranty cover must be 5 years to observe any manufacturing defect.
- cc. After replacement of spare detail analysis of plant working must be submitted to IIT, Gandhinagar
- dd. In case of replacement of solar module must be compatible with the existing solar module in the plant.
- ee. Electrical panel used for the evocation of solar power
- ff. Dust cleaning of the solar module.

**7. Remote and Local Monitoring system for Solar PV system Installed at Indian Institute of Technology Gandhinagar**

The Prospective bidder shall set up the remote monitoring system for the Solar PV system **within (03) months after the award of work**. This setup shall be provided up to the contract period. This may be done through GSM/installation of dataloggers. The cost of setting up of monitoring system and maintenance shall be borne by the agency throughout the contract period.

The scope of work includes supply, installation, testing, and commissioning of datalogger and browser-based/software-based data monitoring system shall include, but not be limited to the following

1. Installation, Testing and Commissioning of Dataloggers along with data communication equipment at each site (As per the list of Inventory)
2. Installation, Testing and Commissioning of auxiliary and back-up power supply system consisting of Uninterrupted Power Supply (UPS), Battery Bank, Battery Charger, Distribution Boards, power cables, Communication cables from inverters to datalogger, datalogger to LAN ports etc., including end terminations and other related accessories.
3. Installation, Testing and Commissioning of the communication network for transfer of Plant Data to cloud server/local server. LAN Port as required shall be provided by the Institute near to each inverter.
4. Any other works related to the installation, testing and commissioning of the Data logger not mentioned but required to complete the remote monitoring system in all respects are deemed to be included.

### **Cloud / Local server-based Application for Data Hosting, Monitoring and Reporting**

- Plant Data shall be stored on remote servers/local servers with user access control. The Dashboard /GUI shall be provided for monitoring of data with login credentials.

- The application shall have a user-friendly browser-based/software-based User Interface for secure access of data from anywhere, for a minimum of ten concurrent connections from securely connected laptops/mobiles, for plant monitoring, daily reporting, and analysis. A dashboard providing summary details of the total plant

generation, day's export, irradiance (if applicable), Inverter level generation and performance indicators like PR and CUF shall be provided.

Note: Browser / software-based user interface provided for the project shall not be hardware/ machine-specific.

- Real-time Data Logging: Logging of all parameters - AC, DC, Weather (at one location), System Run Hours, Equipment Status and Alarms as well as derived/ calculated/ integrated values.

- Reporting: The cloud server application shall provide downloadable reports in Excel/PDF, configurable for equipment parameters across the plant.

**Note: On Non-providing of the remote monitoring system penalty @ Rs. 10,000/- per month shall be imposed.**

### Specification of Solar Inverter/PCU

Parameters	Detailed Specifications
Capacity	25kW
Nominal Voltage (AC)	415V, 3 Phase 4 wire
Voltage Range	+ 10% -20% at nominal voltage
DC Voltage	350-800V DC
Operating Frequency Range	50 Hz (45 to 55 Hz)
Waveform	Sine Wave
Harmonics	AC side total harmonic current distortion < 3%
Ripple	DC voltage ripple content shall be not more than 1%.
Efficiency	Efficiency shall >98%
Losses	Maximum losses in sleep mode: 2W per 5 kW, Maximum losses in stand-by mode: 10 W
Casing Protection Levels	Degree of protection: IP 65
Temperature	Should withstand from 0 to +50 degrees Celsius
Humidity	Should withstand up to 95% (relative humidity)
Operation	Completely automatic, including wake-up, synchronisation (phase-locking) and shut down
MPPT	The MPPT range must be suitable for individual array voltages in the power packs
Protections	Over-voltage, both input and output
	Over current, both input and output
	Over/Under grid frequency
	Over temperature, short circuit, lightning
	Surge voltage induced at output due to external source
	Anti-islanding
Recommended LED Indications	Inverter ON
	Grid ON
	Inverter Under / Over Voltage
	Inverter Overload
	Inverter Over Temperature
Recommended LCD Display on Front Panel	Accurate displays on the front panel:
	DC input Voltage and Current
	AC Voltage ( $V_{pp}$ , & $V_{LL}$ ), AC Current (A)
	Power output, Energy output (kWh)
	Ambient temperature
	Instantaneous 8s cumulative output power
	Daily DC energy produced
Communication Interface	RS485/USB/LAN/Modbus/Datalogging
Safety	IEC 62109-1/-2, IEC 62116, IEC 61727

### **Additional Conditions**

1. Work shall be carried out as per CPWD Specification wherever applicable, BIS standard, manufacturer's recommendation, and decision of Engineer –In- Charge.
2. The rates are inclusive of all taxes, levies & cess, and nothing shall be paid extra.
3. The bidders are required to submit tenders in two parts. Each part is to be submitted in a separate envelope and duly sealed. Both envelopes may be stapled together.
4. The quotation received without the documents cited under the terms & conditions above shall not be opened.
5. IIT Gandhinagar reserves the right to reject any or all the Quotations, in part or in full.
6. **Claims for Extra or Deviations:** The IITGN shall not be responsible for the payment of any claim for extra work not included in the contract nor the Contractor shall be entitled to claim any addition to the contract sum in respect of any changes or alterations in the materials used unless the same shall have been ordered or sanctioned, as the case may be, in writing by the IITGN.
7. **Removal of Imperfect Work:** If it shall appear that the work has been executed with unsound, imperfect, or unskilled workmanship, or with the material of any imperfect or any inferior quality or otherwise not in accordance with the contract document, the Contractor shall at his own cost rectify, reform, remove, or reconstruct the same, either in the whole or in part, as may be directed by the Owner, whether or not the value of any such work or materials shall have been included in any payment made to the Contractor.
8. **Working Hours:** Normal working hours shall be from 9.00 a.m. to 6.00 p.m. Any works of important nature should not be carried out on Sundays, Holidays, or during the night. However, permission to work beyond normal working hours can be granted by the IITGN in exceptional circumstances to achieve the target schedule of completion.
9. **Guarantee:** The contractor shall give a warranty for newly replaced electronics parts for 05 years against manufacturing defects. Warranty for switch gears and cables will be for 01 year against manufacturing defects.
10. **Replacement of Material:** In case of the requirement of replacement of material in the plant, the contractor shall forward the proposal for any required material to IITGN with necessary justification. After approval of IITGN, only material can be replaced at the agreed rate at that time by both parties.
11. **Payment:** The contractor can claim payment quarterly.
12. **Penalty:** Contractor shall attend to the complaint within 03 days of communication made to him failing which a penalty of Rs 500/- per day shall be imposed on him. The remote monitoring system shall be setup by the agency. Non-working of remote monitoring system 1500/- per incident penalty shall be imposed if not attended with 3 days.
13. The contractor shall clear the site before starting the work and also after completion of the work.
14. If any improper/faulty method or procedure is followed by the contractor, the Engineer-in-Charge is empowered to stop the work.
15. Conditional quotation shall be rejected.
16. Time allowed for completion of work is Three years.
17. No T&P shall be issued to the contractor by the Institute; the same shall be arranged by the contractor at the quoted rate.
18. During the warranty period, Quarterly Preventive maintenance shall be carried out as per the manufacturer's recommendation.

### Inventory Details of Solar Inverter

<b>Sr. No.</b>	<b>Inverter Capacity Details</b>	<b>Location</b>	<b>Make of Inverter</b>	<b>Quantity</b>
01	Solar Inverter 25kW	Aibaan Hostel	invt	01 Nos.
02.	Solar Inverter 15kW	Beauki Hostel	invt	01 Nos.
03.	Solar Inverter 15kW	Chimair Hostel	invt	01 Nos.
04.	Solar Inverter 25kW	Duven Hostel	invt	01 Nos.
05.	Solar Inverter 25kW	Emiet Hostel	invt	01 Nos.
06.	Solar Inverter 25kW	Firpeal Hostel	invt	01 Nos.
07.	Solar Inverter 25kW	Academic Block 01	invt	01 Nos.
08.	Solar Inverter 25kW	Academic Block - 02	invt	01 Nos.
09.	Solar Inverter 25 kW	Academic Block 03	Schneider	01 nos.
10.	Solar Inverter (4nos. x 25kW)	Academic Block 04	Schneider	04 nos.
11.	Solar Inverter 15kW	Academic Block 05	invt	01 nos.
12.	Solar Inverter 15kW	Academic Block 06	Invt	01 nos.
13.	Solar Inverter (8 Nos. X 25 KW)	Solar Car Port	Schneider - 06 Nos. Thea-02 Nos.	08 Nos.



**FORM OF PERFORMANCE SECURITY (GUARANTEE)**

**BANK GUARANTEE BOND**

In consideration of the Director, IIT Gandhinagar (hereinafter called “IITGN”) having offered to accept the terms and conditions of the proposed agreement between **INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR, PALAJ, GANDHINAGAR - 382055**, and (hereinafter called “the said contractor(s)” for the work “\_\_\_\_\_”

\_\_\_\_\_”  
(hereinafter called “The said agreement”) having agreed to production of a irrevocable Bank Guarantee for \_\_\_\_\_ (Rupees \_\_\_\_\_) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We \_\_\_\_\_ (hereinafter referred to as “the Bank) hereby undertake to pay to **IITGN** an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) on demand by **IITGN**.
2. We \_\_\_\_\_ (indicate the name of the bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from **IITGN** stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_).
3. We, the said bank, further undertake to pay to **IITGN** any money so demanded, notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder under and the contractor(s) shall have no claim against us for making such payment.

4. We \_\_\_\_\_ (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of **IITGN** under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of **IITGN** certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor (s) and accordingly discharges this guarantee.

5. We \_\_\_\_\_ (indicate name of the bank) further agree with **IITGN** that

**IITGN** shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by **IITGN** against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of **IITGN** or any indulgence **IITGN** to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We \_\_\_\_\_ (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of **IITGN** in writing.

8. This guarantee shall be valid up to \_\_\_\_\_ unless extended on demand by **IITGN**.

Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the \_\_day of \_\_for\_\_\_\_(indicate the name of Bank)

(Schedule of Departure)

**SCHEDULE OF DEPARTURE FROM SPECIFICATIONS**

<b>Ref to the clause of the specification</b>	<b>Description of Deviation</b>	<b>Reason for Departure</b>
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**DEPARTURE FROM GENERAL SPECIFICATION**

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)

Certified that except for departure mentioned above tender is in accordance with technical specifications of NIT, CPWD General Specifications for Electrical Works (Part I – Internal) 2023, (Part II – External)2023, wherever applicable, as per relevant IS amended up to last date of submission of tender and in accordance with detailed requirement specified in tender specifications / Schedule of Quantities

(Signature of the contractor)

**Undertaking for the established office of the Contractor in Gujarat  
(On Contractor Letterhead with seal)**

Date:

To,

The Superintending Engineer,  
AB-09/303,  
IIT Gandhinagar, Near Palaj village,  
Gandhinagar-382055.

Subject: Undertaking regarding availability for the contractor office at Gujarat.

Dear Sirs,

We hereby give an undertaking that we will maintain an office for the maintenance of the Solar PV system in Gujarat.

The address of our office is as under:

M/s. \_\_\_\_\_

\_\_\_\_\_

Phone No. \_\_\_\_\_

Email ID: \_\_\_\_\_

This is for information and necessary action, please.

Thanking you,

Yours faithfully,  
(Seal & Signature)

**Form A**

**PARTICULARS TO BE FILLED BY THE BIDDER**

1. Name of the Bidder:
2. Complete Address of the Bidder:
3. Availability for demonstration of instruments at IIT Gandhinagar: Yes / No [Please √]
4. Details of the Tender Fee transferred: Yes/No [Please √] If yes,
  - a) Name of the Bank\_\_\_\_\_
  - b) Amount in (₹)\_\_\_\_\_
  - c) UTR No. \_\_\_\_\_
  - d) Date of remittance\_\_\_\_\_
5. Details of Earnest Money Deposit transferred: Yes / No [Please √] if Yes,
  - a) Name of the Bank\_\_\_\_\_
  - b) Amount in (₹) \_\_\_\_\_
  - c) UTR No. \_\_\_\_\_
  - d) Date of remittance\_\_\_\_\_
6. Communication details of the concerned contact person to whom all references shall be made regarding this tender enquiry. [NOTE: Any changes after submission of Tender documents, kindly update IIT Gandhinagar]
  - a) Full Name:
  - b) Complete Postal Address:
  - c) Telephone No.:
  - d) Fax No.:
  - e) Mobile No.:
  - f) E-mail:
  - g) Website Address:

**Form B**

**PARTICULARS FOR REFUND OF EMD TO SUCCESSFUL/UNSUCCESSFUL BIDDER**

**RTGS/National Electronic Fund Transfer (NEFT) Mandate Form**

1	Name of the Bidder	
2	Permanent Account Number (PAN)	
3	Particulars of Bank Account	
	1) Account No.	
	2) Name of Account Holder	
	3) Name of the Bank	
	4) NEFT/IFSC Code/ RTGS Code	
	5) Type of Account	
	6) Address	
	7) City Name	
	8) Telephone No	
4	Email ID of the Bidder	

**Note: - Please attach the original cancelled cheque along with the RTGS/National Electronic Fund Transfer (NEFT) Mandate Form.**

### Schedule of Quantity

**Name of work: Annual Non-Comprehensive maintenance of on-grid rooftop solar power system 500kWp at IIT Gandhinagar.**

NIT No. 08/IITGN/IWD/2025-2026

Item No.	Description of items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1	Annual Non-Comprehensive maintenance of on-grid rooftop solar power system (500kWp) installed on Academic Block 1,2,3,4,5,6 & Hostel A, B, C, D, E, F, Car Parking, and Pathway including health checking of all accessories, Quarterly Preventive Maintenance work, Generation Checking/Remote Monitoring system, attending break down maintenance, Cover minor correction & facilitation of Improvement of system as per terms & conditions attached. <b>Note: Cleaning of Solar panels &amp; Replacement/repairing of defective parts, etc., are excluded from the scope of work. The Cost of the same shall be paid separately as and when required.</b>	1	Year	7,57,500	7,57,500
2	Supply, Installation, Testing and Commissioning of Power Conditioning Unit (PCU) of 25 kW, 350-800 V DC Input voltage range and 400 V AC, three phase, 4 wire, 50Hz +/- 2.5 Hz, output voltage suitable to generate AC Power with efficiency not less than 97%, total harmonic distortion less than 3% and suitable for ambient temperature from 0 to 50-degree C. The PCU shall adjust the voltage and frequency level to suit the Grid Voltage Frequency etc., including Supply and installation of Array Junction Box for 25KW Inverter (IP65 PC Enclosure) along with DC Surge arrester, DC string fuse, Earthing Gland, as per specification, including connection cable and connector complete as required. <b>Note: This item shall be executed as and when required as per site conditions.</b>	1	Each	2,12,100	2,12,100
<b>A1</b>	Total for 1st year (2025-26)				9,69,600.00
<b>A2</b>	Total for 2nd year 2026-27 (considering 4% enhancement on 1st Year)				10,08,384.00
<b>A3</b>	Total for 3rd year 2027-28 (considering 4% enhancement on 2nd Year)				10,48,719.00
	<b>Total (A1+A2+A3)</b>				<b>30,26,703.00</b>
	<b>Grand TOTAL</b>				<b>30,26,703.00</b>
	<b>In Words: Rupees Thirty Lakhs Twenty-Six Thousand Seven Hundred Three Only</b>				