I N D E X

Name of Work: SITC of 10 kWp solar photo voltaic power generation system at RS & RW office building ,Gorakhpur.

1	INDEX	:	1
2	INFORMATION & INSTRUCTIONS FOR CONTRACTORS FOR E-TENDERING	:	2-4
3	INFORMATION REGARDING ELIGIBILITY LETTER OF TRANSMITTAL (ANNEXURE-I)	:	5
4	Form-A, Form-B, Form-B1, Form-C, Form-C1, Form-C3	:	6-8
5	RECEIPT OF DEPOSITION OF ORIGINAL EMD (ANNEXURE-II)	:	9
6	NOTICE INVITING TENDER- C.P.W.D.-6	:	10-17
7	C.P.W.D.- 7/8 AND SCHEDULE 'A' TO 'F'	:	18-23
8	FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND (ANNEXURE-A)	:	24-25
9	AFFIDAVIT FOR BANK GUARANTEE (ANNEXURE – B)	:	26
10	TERMS AND CONDITION & ADDITIONAL TECHNICAL SPECIFICATION	:	27-30
11	PREFERRED MAKE LIST	:	31
12	SCHEDULE OF QUANTITY	:	32-34

NIT No.: **14/GED/GESD/2026-27/Recall** containing 1 to 34 pages is here by approved for **Rs 5,42,800/- (Rs. Five lakh forty two thousand Eight hundred only).**

Assistant Engineer (E)
Gorakhpur Electrical Sub-Division
CPWD,Gorakhpur .

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INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT
(Applicable for inviting open bids)

The Assistant Engineer (E), Gorakhpur Electrical Sub-Division, C. P. W. D., Gorakhpur, invites on behalf of President of India, **Percentage rate** online bids **from OEM/Specialised agencies/ CPWD enlisted contractors of appropriate class in Building & Roads category** who possess the necessary eligibility criteria / experience for specialised work in the field of "**SITC of Solar Photo Voltaic Power generation system"** in Two bid system i.e eligibility bid and price bid as per eligibility criteria for following works.

S.NO.	NIT No.	Name of work and location	Estimated cost put to tender	**Earnest Money**	**Stipulated Period of Completion of work (in months)**	Last date & time of Submission of Eligibility & price bids, **copy of uploading EMD and other documents as specified in the bid document.**	Time & date of opening of eligibility bid	Time & date of opening of Price bid
1	2	3	4	6		7	8	9
1	**14/GED/GESD/2026-27/Recall**	SITC of 10 kWp solar photo voltaic power generation system at RS & RW office building ,Gorakhpur. .	**₹ 5,42,800-**	**₹ 10,856/-**	**02 Months**	**Upto 03:00 PM on 20.11.2026**	**At 03:30 PM on 20.11.2026**	Price bid shall be opened after approval of Eligibility bid by competent authority

1. Contractors who fulfil the following requirements shall be eligible to apply. Joint ventures are not accepted. [1(b), 1(c) & 1(d) are not applicable for CPWD enlisted contractors of appropriate class. 1(a) (i), ~~(ii)~~ and 1(e) are applicable for CPWD enlisted contractors also].

(a) Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of the month previous to the one in which tenders are invited.

(i) Three similar completed work of value not less than 40% of estimated cost put to tender.

OR

Two similar completed work of value not less than 60% of estimated cost put to tender.

OR

One similar completed work of value not less than 80% of estimated cost put to tender.

Similar work shall means work of **"SITC of Solar Photo Voltaic Power generation system".** The values of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of tenders.

(b) Should have Average annual financial turnover on above works should be at least 30% of the estimated cost put to tender during the last three years ending 31/03/2026 **(Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded)**. The value of annual turnover figures shall be brought to the current value by enhancing the actual turnover figures at simple rate of 7% per annum.

(c) Should not have incurred any loss (profit after tax should be positive) in more than two years during available last five years ending 31/03/2026.

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(d) Should have a Banker's Certificate from a commercial Bank for Rs. 40% of the estimated cost put to tender (ECPT) or Net worth certificate from certified Chartered Accountants with Unique Document Identification Number (UDIN) of minimum 10% of the estimated cost put to tender. **(Scanned copy of original to be uploaded).**

(e) Should have bidding capacity equal to or more than the estimated cost of the work put to tender.
The bidding capacity shall be worked out by the following formula:
Bidding Capacity = {[AxNxM]-B}
Where,

A = Maximum turnover in construction works executed in any one year during the last seven years taking into account the completed as well as works in progress. The value of annual turnover shall be brought to current costing level by enhancing at a simple rate of 7% per annum.

N = Number of years prescribed for completion of work for which bids have been invited. The value of N shall be taken as 1 (one), where the completion period is less than one year.

M = Multiplying factor, the value for this work is 1.5.

B = Value of existing commitments of ongoing works during the period of execution of work for which bids have been invited.

2. 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.
3. Information and Instructions for bidders posted on website shall form pay of bid document.
4. 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 can be seen and downloaded from **https://etender.cpwd.gov.in or www.cpwd.gov.in** free of cost.
5. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Demand draft or Pay order or Bankers Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any scheduled Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.
6. Those contractors who are not registered or have not updated their profile on the mentioned above, are required to get registered/ update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of **http://etender.cpwd.gov.in**.
7. The intending bidder must have valid class-III digital signature certificate with encryption key (combo type) to perform any operations/ transactions on the e-tendering portal/ website and the bidder should download and install the eMsigner on their system as per instruction available on download section of **http://etender.cpwd.gov.in**.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of JPG format and PDF format.
10. Certificate of Financial Turn Over: At the time submission of bid contractor may upload Affidavit/ Certificate from CA mentioning Financial Turnover of last 7 years or for the period as specified in bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
11. Contractor must ensure to quote rate in the column (5) meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.
    In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
    However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

12. The technical bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at

C I O	NIL

a later date.

The decision of rejection of technical bid along with reasons of rejections shall be uploaded on ERP portal by tender inviting authority. The aggrieved bidder can make appeal against the decision, on ERP portal within 48 hours of uploading of decision of rejection of technical bid. After receipt of appeal from the aggrieved bidder, the tender inviting authority shall upload the decision on the appeal preferably within 3 working days and in no case the financial bid shall be opened without disposal of appeal and uploading the same on ERP portal.

13. The department reserve 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.

List of Documents to be scanned and uploaded within the period of bid submission: -

i. Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee from any of the Commercial Banks against EMD. (drawn in favour of Executive Engineer (E), LCED, CPWD, Lucknow)

ii. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD (The EMD document shall be issued from the place in which the office of receiving division office is situated).

iii Copy of PAN Card.

iv. GST Registration Certificate if already obtained by the bidder.

If the bidder has not obtained GST registration as applicable, then he/ shall scan and upload following undertaking along with bid documents.

"If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".

V. Letter of transmittal as per Annexure I

vi. Certificate of Work experience.

vii. Certificate of Financial Turnover from CA.

viii. Banker's Certificate or Net Worth Certificate.

ix. Bidding Capacity as per Form C3.

भारतसरकार
केन्द्रीय लोक निर्माण विभाग

पत्रांकः 54(विज्ञापन)/गोवैउमं/2026/256 दिनांक – 13.11.2026

1. कार्यपालक अभियन्ता (वै0), गोरखपुर वैद्युत मण्डल, केलोनिवि, गोरखपुर।

2– नोटिसबोर्ड एवं NIT No. **14/GED/GESD/2026-27/Recall**

Assistant Engineer (E)
Gorakhpur Electrical Sub-Division
CPWD, Gorakhpur.

C I O	NIL

Annexure I

INFORMATION REGARDING ELIGIBILITY LETTER OF TRANSMITTAL

From: (Name of agency)

To

The Executive Engineer

……..
Subject: Submission of bids for the work of ……
Sir,
Having examined the details given in the bid document for the above work, I/we hereby submit the relevant information.

1. I/we hereby certify that all the statement made and information supplied in the enclosed forms A to C and accompanying statement are true and correct.

2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.

3. I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works

Name of work	Certificate from

Certificate : It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I / We shall be liable to be debarred , disqualified / cancellation of enlistment in case any information furnished by me / us is found to be incorrect.

Enclosures: Seal of bidder

Date of submission:

Signature(s) of Bidder(s).

C I O	NIL

FINANCIAL INFORMATION (FORM 'A')

I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Financial years				

(i) Gross Annual Turn Over on above work.

(ii) Profit/Loss (standalone financial statement and consolidated financial statement both).

II. Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant with Seal

Signature of Bidder(s)

FORM "B"
BANKER'S CERTIFICATE FROM A COMMERCIAL BANK

This is to certify that to the best of our knowledge and information that M/s./ Sh……..... ..... having marginally noted address, …….as a Customer of our bank are/ is respectable and can be treated as good for any engagement upto a limit of Rs……. (Rupees……..)
This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE

1. Banker's Certificates should be on letter head of the Bank, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

Form "B-1"

FORM FOR CERTIFICATE OF NETWORTH FROM CHARTERED ACCOUNTANT

" It is to certify that as per the audited balance sheet and profit & loss account during the financial year……., the Networth of M/s ……..(Name & registered Address of individual/Firm/company), as on …… (the relevant date) is Rs……. after considering all liabilities. It is further certified that the Net Worth of the company has not eroded by more than 30% in the last three years ending on (the relevant date)".

Unique Document Identification Number (UDIN) …….

Signature of Chartered Accountant ----------
Name of Chartered Accountant----------
Membership No. of ICAI----------

Date and Seal_____

C I O	NIL

FORM 'C'
DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDERS

S. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration cases pending/ in progress with details*	Name and address/ telephone number of officer to whom reference may be made	Whether the work was done on back to back basis Yes/ No
1	2	3	4	5	6	7	8	9	10

* Indicate gross amount claimed and amount awarded by the Arbitration Tribunal.

Signature of Bidder(s).

FORM 'C'-1
PROJECTS UNDER EXECUTION

S. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Upto date percentage progress of work	Slow progress if any and reasons thereof	Name and address/ telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10

Signature of Bidder(s)

C I O	NIL

FORM 'C'-3
Calculation of bidding capacity
Details of existing commitments and ongoing works.

S. No.	Name of work/ project and location	Owner or sponsoring organization	Contract value in crore of rupees	Date of commencement as per contract	Stipulated date of completion	Upto date percentage progress of work	Remaining work in percentage (100-column 7)	Existing commitment Column 4 x Column 8 /100	Name and address/ telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10	11

Total (B) =
Maximum turnover in last seven years = Rs……
Updated value of turnover (A) = Rs……
No. of years (N) = ……..
Bidding Capacity= {[AxNx1.5]-B} =
Certificate:
I certify that all the awarded and ongoing works have been included in the above list.

(Signature of Bidder(s))

C I O	NIL

Annexure-II.

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No. ……. / date …….)

1. **Name of Work:** SITC of 10 kWp solar photo voltaic power generation system at RS & RW office building ,Gorakhpur.

2. NIT No.**:** **14/GED/GESD/2026-27/Recall**

3. Estimated Cost**: ₹ 5,42,800/-**

4. Amount of Earnest Money Deposit**: ₹ 10,856/-**
In favor of **Executive Engineer (E), LCED, CPWD, Lucknow**

5. Last date & Time of submission of Bid**: …20.11.2026 at 03:00 PM**

Name of Contractor: **…….....**

1. Form of EMD **…….....**

2. Amount of Earnest Money Deposit **…….....**

3. Date of submission of EMD **……..……**

…….

Signature, Name and Designation of EMD
receiving officer (EE/AE(P)/AE/AAO) alongwith office stamp

C I O	NIL

CPWD-6 FOR e-Tendering

1. *Percentage rate bids are invited on behalf of President of India from OEM/Specialised agencies/ CPWD enlisted contractors of appropriate class in Building & Roads category who possess the necessary eligibility criteria / experience for specialised work in the field of* **Supplying Installation Testing & Commissioning of 10 KWp On-grid Solar Photovoltaic Power Plant** *in Two bid system i.e eligibility bid and price bid as per eligibility criteria for following works.* ***SITC of 10 KWp On-grid Solar Photovoltaic Power Plant etc. at RS & RW office building ,Gorakhpur.***
The enlistment of the contractors should be valid on the last date of submission of bids.
In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

1.1 *The work is estimated to cost* **₹ 5,42,800/-**. *This estimate, however, is given merely as a rough guide.*

1.1.1 *The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.*

1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Criteria of eligibility for submission of bid documents

1.2.1 Conditions for Non-CPWD registered contractors only, if bids are also open to non-CPWD Contractors.

For works estimated cost upto tendering limit of class -I Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture category).

(i) Three similar works each of value not less than 40% of ECPT or two similar works each of value not less than 60% of ECPT or one similar work of value not less than 80% of ECPT (all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.

~~(ii) For EPC tender under Mode- I/II only (Applicable for CPWD enlisted contractors of appropriate class also).~~

~~One completed work costing not less than Rs. …. executed with the structural system technology as proposed by bidder in the letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.1 (i) above or as a separate work.~~

Note:-

~~For works costing above tendering limit of class -II Buildings & Roads (erstwhile Composite/ Building/ infrastructure)category contractors but upto tendering limit of Class I Buildings & Roads(erstwhile Composite/ Building/ infrastructure) category~~

C I O	NIL

~~Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class II and CPWD Class I contractors respectively of Horticulture Category) when bids are open to non CPWD contractors also, then class II contractors of CPWD registered shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above.~~

~~1.2.2 Criteria of eligibility for CPWD as well as non CPWD contractors,~~

~~For works estimated to cost above the tendering limit of class I (Super) Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture Category).~~

~~(i) Three similar works each of value not less than Rs..... or two similar works each of value not less than Rs.....or one similar work of value not less than Rs.....(all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.~~

~~(ii) For EPC tender under Mode I/II only (Applicable for CPWD enlisted contractors of appropriate class also).~~

~~One completed work costing not less than Rs ……..executed with the structural system technology as proposed by bidder in letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.2 (i) above or as a separate work.~~

~~Or~~

~~If the bidder does not have adequate experience of opted technology then the bidder can associate with contractor having requisite experience of executing work in structural system with the opted technology. Bidder has to submit MoU in the prescribed format (Anexure-68 of SOP) with such associate contractor, along with his tender, for structural system in opted technology only. The associated contractor must satisfy the eligibility criteria of having successfully completed one work of opted technology having the cost of structural system not less than 20% of the estimated cost put to tender during the last seven years ending last day of month previous to the one in which tender is invited.~~

~~In case separate cost of structural system of a particular technology is not available in the experience certificate of associated contractor, it will be taken as 30% of completed cost of project/work.~~

~~Associated contractor should not have been debarred from any Ministry or any govt. organization in the last five years.~~

~~The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to previous day of last day of submission of bid.~~

To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:-

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money

C I O	NIL

Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

1.2.3 When bids are invited from non-CPWD contractors ~~and CPWD class II~~ contractors as per provisions of clause 1.2.1 above, it will be mandatory for non-CPWD contractors ~~and CPWD class II contractors~~ to upload the work experience certificate(s) and the affidavit as per the provisions of clause 1.2.2.

~~But for such bids, Class I contractors of CPWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore, CPWD class I contractors shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.~~

2. *Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/~~8~~ (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his 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 **02 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. *(i) The site for the work is available.*

or

~~The site for the work shall be made available in parts as specified below:-~~

…….

(ii) The architectural and structural drawing for the work is available

or

~~*The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work.*~~

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 Standard General Conditions of Contract Form can be seen on website https://etender.cpwd.gov.in or www.cpwd.gov.in free of cost.*

6. *After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. No post-tender modification is allowed by the tenderers except through negotiations, if required. ln case any tenderer does so, the tender will be rejected and the tenderer will be debarred for future tendering for two years by the concerned enlisting authority.*

7. *While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.*

C I O	NIL

8. ~~*When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted, then the bid submitted earlier shall become invalid.*~~

9. *Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks* **(drawn in favour of Executive Engineer(E), Lucknow Central Electrical Division, CPWD, Lucknow***) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.*

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for a period of ~~90 days for single bid works~~ and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ ~~three~~ bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, who's original EMD deposited with any division of CPWD, and other documents scanned and uploaded are found in order.

The eligibility bid submitted shall be opened at 03:00 PM on 20.11.2026

10. *The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:*

    (i) The bidder is found ineligible.

    (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.

    (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.

    (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

11. *The contractor whose bid is accepted will be required to furnish performance guarantee* **in favour of Executive Engineer(E), Lucknow Central Electrical Division, CPWD,**

C I O	NIL

Lucknow *at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks 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. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either 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 ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.*

12. ***The description of the work is as follows: SITC of 10 KWp On-grid Solar Photovoltaic Power Plant etc. at RS & RW office building ,Gorakhpur.***

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 bidders 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 bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, 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.

13. *The competent authority on behalf of the President of India 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 conditional rebate is put forth by the bidders shall be summarily rejected.*

14. *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.*

15. *The competent authority on behalf of President of India 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.*

16. *The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Housing and Urban*

C I O	NIL

Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. *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 any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.*

18. *The bids for the work shall remain open for acceptance for a period of ~~30 (thirty) days from the date of opening of bids in case of single bid system and~~ 75 (seventy-five) days from the date of opening of technical/ eligible bids in case bids are invited in 2 ~~or 3~~ bid system.*

Further

(i) If any tenderer withdraws his tender within 7 days after last date and time (24 Hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely, irrespective of letter of acceptance for the work is issued or not.

(ii) If any tenderer withdraws his tender after expiry of 7 days after last date and time (24 Hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

19. *This notice inviting Bid shall form a part of the contract document. The successful bidder/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 Bid, 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 C.P.W.D. Form 7/~~8 or other Standard C.P.W.D. Form~~ as applicable.

20. **~~For Composite Bids~~**

~~20.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.~~

~~20.1.2 The bid document will include following three components:~~

~~**Part A:** CPWD 6, CPWD 7/8 including Schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 as amended/ modified up to last date of submission of bids.~~

~~**Part B:** General / specific conditions, specifications and schedule of quantities applicable to major component of the work.~~

~~**Part C:** Schedule A to F for minor component of the work (competent authority under Clause 2 and Clause 5 shall be same authority as mentioned in Schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.~~

C I O	NIL

20.1.3 The bidders must associate himself, with agencies as per NIT conditions.

20.1.4 The eligible bidders shall quote rates for all items of major component as well asfor all items of minor components of work.

20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award for & on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE incharge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH incharge of minor components. One such signed set of agreement shall be handed over to EE/DDH incharge of minor component(s).

EE of major component will operate Part A and Part B of the agreement.

EE/DDH incharge of minor component(s) shall operate Part C alongwith Part A of the agreement.

20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

20.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.

20.1.8 The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer in Charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer in Charge of relevant component(s).

20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer in Charge of relevant specialized component(s).

The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

20.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/ DDH in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.

20.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer in Charge of the discipline of minor component directly to the main contractor. The CMB shall be maintained independently by Engineer in Charge of major and minor components.

20.1.12A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-Charge of major component after record of completion certificate of all other components.

20.1.12B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for

C I O	NIL

~~their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.~~

~~21. Integrity Pact: The contractor shall download the Integrity Pact, which is a part of tender documents, affix his signature in the presence of a witness, and upload the same while submitting online bids for all works of estimated cost put to tender equal or more than the threshold value given in Schedule F. In the event of his failure to sign and upload the Integrity Pact along with other bid documents, his bid shall be rejected.~~

22. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ ~~Assistant Engineer~~ (e- mail Id gcesd1cpwdgkp@gmail.com*) or ERP helpline no. 18001803286 or e-mail ld cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise anyissues till the last date of submission of bid in theirown interest.*

~~23. **Price Preference to SC/ST individual contractor for item rate/percentage rate tender:**~~

~~Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-~~

~~(i) For work(s) upto and equal to an estimated cost of Rs. 2.80 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favor of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).~~

~~(ii) For work(s) beyond an estimated cost of Rs. 2.80 lakh and upto and equal to estimated cost of Rs. 6.40 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of ½% may be accepted in such cases.~~

~~The price preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community.~~

Assistant Engineer (E)
Gorakhpur Electrical Sub-Division
CPWD, Gorakhpur

C I O	NIL

CPWD-7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

(Percentage Rate Tender & Contract for Works)

Tender for the work of: - SITC of 10 kWp solar photo voltaic power generation system at RS & RW office building ,Gorakhpur.

I) To be uploaded by **03:00 PM** on **20.11.2026** at www.etender.cpwd.gov.in

II) Tender to be opened online in presence of tenderers who may be present after **03:30 AM on 20.11.2026** in the office the **Assistant Engineer (E), Gorakhpur Electrical Sub-Division, CPWD, Gorakhpur.**

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications 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 ***"SITC of 10 kWp solar photo voltaic power generation system at RS & RW office building, Gorakhpur."***

I/We hereby tender for the execution of the work specified for the President of India with in 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 Clause11 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.

I/We agree to keep the tender open for ~~Thirty (30) days from the due date of its opening in case of single bid system~~ sixty days from the date of opening of financial bid in case tenders are invited on 2/~~3~~ envelop system (strike out as the case may be) and not to make any modification in its terms and conditions.

I/We have deposited EMD through online payment mode for the prescribed amount as per the bid document.

In respect of portion of EMD prescribed in the shape of BG, the scanned copy of original bank guarantee including e-Bank Guarantee (as applicable) of any commercial bank having validity for a period of ~~90 days for single bid and~~ 180 days for two bid systems or more from the last date of receipt of bids, is to be uploaded. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the 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 those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 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 for participation in the re-tendering process of the work.

C I O	NIL

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety & integrity of the State..

Dated: *Signature of Contractor*

Witness: *Postal Address*

Address:

Occupation:

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 President of India 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 President of India

Signature ……

Dated: *Designation ……*

C I O	NIL

PROFORMA OF SCHEDULES

SCHEDULE 'A'
Schedule of quantities ***(Attached Page No 32 to 34)***

SCHEDULE 'D'
Extra schedule for specific requirements/document for the work, if any. ***Nil***

SCHEDULE 'E'
*Reference to General Conditions of contract – **GCC- 2023 for Construction work** as amended/modified up to day previous to the last date of submission of bids.*

Name of Work: SITC of 10 kWp solar photo voltaic power generation system at RS & RW office building ,Gorakhpur.	
Estimated cost of the work:	
Electrical Items of Work	**₹ 5,42,800/-**
Earnest money	**₹ 10,856/-**
Performance Guarantee	(1) 5% of tendered value or Estimated cost put to Tender (ECPT) (whichever is higher). (2) Where the tendered amount is less than eighty percent (80%) of the Estimated cost put to tender (ECPT), the performance guarantee in addition to the requirement under (1) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
Security Deposit	2.5% of the tendered value

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting bid	**Assistant Engineer(E), Gorakhpur Electrical Sub-Division, C.P.W.D., Gorakhpur.**

Definitions:

2(vi)	**Engineer-in-Charge**	**Assistant Engineer(E), Gorakhpur Electrical Sub-Division, C.P.W.D., Gorakhpur.**
2(viii)	**Accepting Authority**	**Assistant Engineer(E), Gorakhpur Electrical Sub-Division, C.P.W.D., Gorakhpur.**
2(x)	**Percentage on cost of materials and Labor cover all to overheads and profits**	15%
2(x)(a)	**Standard Schedule of Rates Electrical work**	*Delhi Schedule of Rates (E&M)-2025 with amendments up to day previous to the last date of submission of bids & MR*
2(xi)	**Department**	Central Public Works Department (CPWD)
9(ii)	**Standard CPWD Contract Form:**	**GCC 2023 Construction Works, CPWD Form 7** modified & corrected up-to previous day of the last date of submission of the tender. (All available on website www.cpwd.gov.in)

C I O	NIL

Clause 1	*i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof 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 as provided in (i) above***	*03 Days*

Clause 2	***Authority for fixing Compensation under Clause 2***	***Chief Engineer (Lucknow), CPWD, Lucknow.***
Clause 2A	*Applicable clause 2A :*	*No*

Clause 5	*(1) Number of days from the date of issue of letter of acceptance for reckoning date of start*	***10 Days***
	(2) Time Allowed for execution of work:	***02 Months***

(i) Authority to convey the decision of ~~shifting of milestone &~~ Extension of time	**Assistant Engineer (E), GESD, C.P.W.D., Gorakhpur or successor thereof**
(ii) Authority to decide ~~Rescheduling of milestone &~~ Extension of Time	**Assistant Engineer(E), GESD, C.P.W.D., Gorakhpur or successor thereof**
(iii) Shifting of date of start in case of delay in handing over of site:	**Chief Engineer (Lucknow), CPWD, Lucknow or successor thereof or Higher authority.**

PROFORMA OF SCHEDULE clause 5 Schedule of handing over the site

Part	***Portion of site***	***Description***	***Time period for handing over reckoned from date of issue of letter of intent***
Part-A	*Portion without any hindrance*	*Full site*	*10 (Ten) days*
Part-B	*Portion with encumbrances*	*NA*	*NA*
		NA	*NA*
Part-C	*Portion dependent on work of other agencies*	*NA*	*NA*

Clause 6*: EMB through CPWD ERP Portal Electronic Measurement Book (EMB)*

C I O	NIL

Clause 7	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	**5.42 Lacs or as per direction of Engineer in charge**
Clause 7A	Whether Clause 7A shall be applicable	**Yes**
Clause 8A	Authority to decide compensation on account if contractor fails to submit completion plans	**Assistant Engineer (E)** GESD, CPWD Gorakhpur or successor thereof
Clause 10A	List of testing equipment to be provided by the contractor at site lab.	As per requirement & as per direction of Engineer-in-charge.
Clause10B(ii)	Whether Clause 10B(ii) shall be applicable	NO

Clause 10C : Not Applicable

~~*Component of Labour expressed as percent of total value of work Y (Payment under this clause for this component is admissible when contractor submits proof of having paid wages to workers through bank or ECS or online transfer to their bank accounts.)*~~	~~*25%*~~

Clause 10CC Not Applicable

Clause 11	**Specification to be followed for execution of work:**
For Electrical items of work	*CPWD specifications for Electrical works Part I Internal ,2023, (Amendment),2023/ Part-II External-2023/Part-IV Sub Station – 2013/ Part V Wet Riser & Sprinkler Systems – 2020/ Part VI Fire Detection and Alarm System – 2018/Part VIII Gas Based Fire Extinguishing System 2013 as amended upto date.* ***1. Building information model (BIM) is applicable and BIM professional to be deployed by contractor- NO***

Clause 12

12.2 & 12.3	
Deviation Limit beyond which clauses12.2 (c) shall apply for building work	100 %
12.4 (i) Deviation Limit beyond which clauses 12.2 (c) shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items)	Not Applicable
(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items	Not Applicable

Clause 16	***Competent Authority for Deciding reduced rates:***	
	For Electrical items of work	***Chief Engineer (Lucknow), CPWD, Lucknow or successor thereof or Higher authority.***

C I O	NIL

Clause 18	*List of mandatory machinery, tools & plants to be deployed by the contractor at site.*	***N/A***
Clause 19C	*Authority to decide penalty for each default*	Assistant Engineer (E), GESD, CPWD Gorakhpur or successor thereof
Clause 19D	*Authority to decide penalty for each default*	-do-
Clause 19G	*Authority to decide penalty for each default*	*-do-*
Clause 19K	*Authority to decide penalty for each default*	*-do-*

Clause 25

(i) Conciliator	***:***	***ADG(Lucknow), CPWD, Lucknow or Successor thereof.***
(ii) Arbitrator Appointing Authority	***:***	***Chief Engineer (Lucknow)***
(iii) Place/ Seat of Arbitration	***:***	***Lucknow***

Clause 32 N/A

Clause 38

i)	*a)*	~~*Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of* ***Delhi Schedule of Rates …….*** *printed by CPWD*~~	
ii)		~~***Variations permissible on theoretical quantities***~~	
	a)	~~*Cement for works with estimated cost put to tender not more than Rs. 25 lakhs.*~~	~~***3% plus/minus***~~
		~~*For works with estimated cost put to Tender is more than Rs. 25 lakhs*~~	~~***2% plus/minus***~~
	b)	~~*Bitumen all works*~~	~~***2.5% plus & nil on minus side.***~~
	c)	~~*Steel reinforcement and structural steel Sections for diameter, section and category.*~~	~~***2% plus/minus.***~~
	d)	*All other materials*	***Nil***

Assistant Engineer (E)
Gorakhpur Electrical Sub-Division
CPWD, Gorakhpur

C I O	NIL

Annexure- 'A'

FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

1. In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement. No._____ dated _____ made between _____ 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 Rs. _____ (Rupees _____only) as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement, we _____ (indicate the name of the bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by the Government.

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 the Government stating that the amount claimed as 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 …… only).

3. We, the said bank further undertake to pay to the Government 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 there 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 the Government 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 the government 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 the name of the bank) further agree with the Government that The Government 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 the Government 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 the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing

C I O	NIL

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 the bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid upto _____ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. _____ (Rs. _____only) 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).

C I O	NIL

Annexure- 'B'

AFFIDAVIT

I / We have submitted a bank guarantee for the work _____

(Name of work)

Agreement No._____dated_____from_____to_____

(Name of the Bank with full address) _____

the Assistant Engineer _____

(Name of Division) with a view to seek exemption from payment of security deposit in cash. This bank guarantee expires on _____ I / We undertake to keep the validity of the bank guarantee intact by getting it extended from time to time at my / our own initiative upto a period of _____ months after the recorded date of completion of the work or as directed by the engineer-in-charge.

I / We also indemnify the Government against any losses arising out of non – encashment of the bank guarantee if any.

Note :- The affidavit is to be given by the executants before a first class Magistrate

C I O	NIL

TERMS AND CONDITIONS
(Solar Work)

1. The general character and the scope of work to be carried out under this contract is illustrated in Schedule of work. Agency has to provide an end to end Solution for the above, including but not limited to design, supply, erect, testing , commissioning of the required Solar Photo Voltaic power plant with accessories, peripherals like Power conditioning units, cables, cable tray, junction boxes, Cable termination & connections sockets & other suitable accessories, earthing, solar interface panel between PCUs, existing Main LT panels, Data Acquisition & storing, Metering, DC system & Bus etc. and installation, performance testing, commissioning, warranty, annual maintenance, etc. The bidders have to ensure the planning and smooth execution of the project. The Contractor shall carry out and complete the said work under this contract in every respect in conformity with the contract documents and with the direction of and to the satisfaction of the Engineer in charge. The contractor shall furnish all labour, materials and equipment as listed and specified otherwise, transportation and incidental necessary for supply, installation, testing and commissioning of the complete system as described in the Specifications. The work shall also include interfacing the PV Plant with the nearest grid equipment.
The work shall be carried out as per CPWD general specifications of electrical works amended upto date and as per direction of Engineer-in-charge.

PV Module & Module Mounting Structure

a) SPV module shall contain **mono crystalline** high-power silicon solar cells. The solar cell shall have surface anti-reflective coating to help to absorb more light in all weather conditions.

b) The module frame shall be made of aluminium or corrosion resistant material, which shall be electrolytic ally compatible with the structural material used for mounting the modules.

c) Each module shall have low iron tempered glass front for strength & superior light transmission. It shall also have tough multi-layered polymer back sheet for environmental protection against moisture & provide high voltage electrical insulation.

d) The solar modules should have suitable encapsulation & sealing arrangements to protect the silicon cells from the environment. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of solar modules.

e) Bidder must consider Shading Losses as per the relevant Industry Standard & Practice while designing the proposed power plant.

f) Maximum system voltage for which the module is suitable date & place of manufacture;

g) Marking: Each module shall carry the following clear and indelible markings:

   i. Name, monogram or symbol of manufacturer;

   ii. Type or model number; Serial number;

   iii. Polarity of terminals or leads (colour coding is permissible)

h) The Plant and equipment will be installed on the civil foundation/structures to be constructed by the Contractor. the contractor shall make arrangement for the foundation or anchor bolts or other embedment's, at his own cost.

i) Since, the work is to be executed in the existing old building (approx. 30 years old), hence, all precautions shall be taken while installing the Module Mounting structure, accordingly, necessary civil works for its installation is in the scope of agency, and nothing extra shall be paid on this account.

C I O	NIL

j) The array structure shall be so designed that it will occupy minimum space without scarifying the output from SPV panels.

k) Design drawings with material selected shall be submitted for prior approval.

l) The structure shall be designed to allow easy replacement of any module & shall be in line with the site requirements.

m) The material shall be got approved before use at site of work from Engineer-in-charge.

n) The array structure shall be made of hot dipped galvanized MS angles of suitable size.

o) The support structure design & foundation shall be designed to withstand wind speed upto 150 kmph using relevant Indian wind load codes.

p) The module alignment & tilt angle shall be calculated to provide the maximum annual energy output. This shall be decided based on the location of array installation.

q) All fasteners shall be of stainless steel of grade SS 316.

r) The array structure shall be grounded properly using maintenance free earthing kit.

s) Galvanized (Hot Dip) Steel Structural must be considered for all type of structural steel proposed for the power plant.

t) The mounting of solar modules shall be done on rooftop and entire Fabrication of elevated structure and the structure atop sloping roofs shall be done by the Bidder.

Energy Meter

a) An Energy Meter shall be provided to measure the delivered quantum of energy to the load.

b) Meter must be provided with the RS485 port.

c) Energy Meter should be import/export type ABT compliant, 0.5 Class of accuracy and must be Modbus compliant for further integration with Central Monitoring Systems.

SHOP Drawings

a) All shop drawing shall be prepared on computer through AutoCAD system based on Architectural drawings and site measurement within award of work. Contractor shall furnish for the approval of the Engineer in charge, detailed shop drawings of all equipment and material giving following information.

b) The detailed design, calculations, energy simulation for arriving as the system capacity & the energy generation capacity. The details of all losses starting from solar incident level upto solar metering level shall also be provided along with detail calculations. The design shall be based on data for the Location of site of work.

c) These shop drawings shall contain all information required to complete the Project as per specifications and as required by the Engineer in charge. These Drawings shall contain details of construction, size, arrangement, operating clearances, performance characteristics and capacity of all items of equipment, also the details of all related items of work by other contractors. Each shop drawing shall contain tabulation of all measurable items of equipment/materials/works and progressive cumulative totals from other related drawings to arrive at a variation-in quantity statement at the completion of all shop drawings. Minimum 4 sets of drawings shall be submitted after final approval along with soft copy.

d) All associated activities required for necessary clearances / permissions / approvals / licenses from concerned Electrical authorities so their govt / strategy / local bodies are in the scope of bidder, if required.

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e) The array structure of the PV yard shall be grounded properly using adequate number of earthing kits. All metal casing / shielding of the plant shall be thoroughly grounded to ensure safety of the power plant. Earthing shall be in line with IE rules. The earthing & grounding shall also meet the requirement of PV module/cell manufacturer. Detailed specifications have been provided in the Earthing section.

f) GI Plate Earthing minimum 08 nos. or as per OEM whichever is higher shall be done by the agency and connection from earth electrode to Module/ structure shall be done with minimum size 25 x 5 mm GI strip as per IS 3043 and CPWD General specifications for Electrical works.

g) All the works regarding Integration of Solar Power plant with grid i.e. SITC of Net metering of Solar PV Power Plant with UPPCL (DISCOM) in all respects, including all necessary approvals, documentation, inspection, metering and synchronization, including meter charges complete etc. as per UPPCL (DISCOM) requirements is in the scope of agency, nothing extra shall be paid on this account.

2. Any damage done to the building / equipment shall be made good by the contractor at his own risk and cost.
3. The site shall be cleared properly after completion of work.
4. The contractor has to engage his labour as per site condition. The department shall be not entertain any claim for the idle labour whatsoever.
5. The contractor shall make all safety arrangement during execution of work, if any accident occurs due to the negligence it will be the entire responsibility of the contractor.
6. All the equipments shall be guaranteed for one Year from the date of completion and hand over of the installation of CPWD, against unsatisfactory performance and /or beark down of the equipment or component or any other parts of installation so found defective in the guarantee period shall be replaced/repaired by the contractor free of charges to the satisfaction of Engineer-in-charge.
7. The contractor shall provide all operating manual complete drawings and shall provide one months training to the personnel's of the department free of cost.
8. The successful firm shall support and will provide all necessary technical support in installation and successful commission of the entire system and nothing extra shall be paid on this account.
9. All equipments shall be delivered with technical catalogues, instructions manual, wiring diagram etc.
10. Power & Water Supply:- Responsibility for supply of power & water for execution of work shall be of main contractor.
11. The contractor shall have to give one year guarantee against any manufacturing defects from the dame of on-grid roof top solar system & the security money will be released after expiry of guarantee period.
12. The work shall have to be carried out entirely to the satisfaction of Engineer-in-Charge
13. Defect liability period for entire work would be 1 year from date of completion.

14. Terms of payments

Following payment terms shall be applicable.

i) No advance payment shall be made.

ii) No running bill against supply item will be paid, bill shall be paid once contractor will submit final handing over along with Net metering to division office.

15. DRAWINGS & MANUALS: Two sets of Engineering, electrical drawings and Installation and O&M manuals are to be supplied. Bidders shall provide complete technical data sheets for each equipment giving details of the specifications along with make/makes in their bid along with basic design of the power plant and power evacuation, synchronization along with protection equipment. Approved ISI and reputed makes for equipment be used. For complete electro-mechanical works, bidders shall supply complete design, details and drawings for approval to CPWD before progressing with the installation work

16. The following Statutory Clearances shall be obtained by the/Bidder(s) wherever applicable:

A. Building and Architectural Drawings approvals from relevant authorities/Primary Beneficiary Organization.
B. Electrical Safety approval for system more than 10 KW (Chief Electrical Inspector)
C. All equipment, accessories, materials, civil construction & erection works should comply with statutory requirements, IS and required and highlighted IEC standards

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D. All statutory requirements for working at the Site like labour registration, workman compensation policy, ESIC etc. to be complied with by the vendor before deployment of resources at the Site.

General Instructions

A. Water and power supply for the construction shall be the responsibility of the Contractor/Bidder
B. Security, safety, watch, and ward of all materials at sites shall be the responsibility of the Contractor/Bidder
C. Liaison with the concerned distribution licensees, Uttar Pradesh New and Renewable Energy Development Agency, the Chief Electrical Inspector and any other statutory authorities as applicable for all the Project approvals
D. Expenses for any other works, supply of material, and providing services required for the successful commissioning and operation of the plant, but not specifically mentioned in this document.
E. Safety management to be strictly complied with by the Contractor/Bidder throughout implementation activity.
F. First-aid medical facilities at the Site during construction to be provided by the Contractor/ Bidder(s)
G. All local labour, employment, and other issues shall be handled independently by the Contractor/ Bidder(s)
H. The entire responsibility and risk relating towards the workforce working at the Site, and compliance of different statutory regulations like Workman Compensation Act, Employees‟ State Insurance Corporation (ESIC), Factory Act 1948, Contract Labour Regulation, and Abolition Act 1970, Shop and Establishment Act 1948, and other Statutory regulatory bodies shall solely lie with the Contractor.

GRID ISLANDING: In the event of a power failure on the electric grid, it is required that any independent power-producing inverters attached to the grid turn off in a short period of time. This prevents the DC-to-AC inverters from continuing to feed power into small sections of the grid, known as "islands." Powered islands present a risk to workers who may expect the area to be unpowered, and they may also damage grid-tied equipment. The Rooftop PV system shall be equipped with islanding protection. In addition to disconnection from the grid (due to islanding protection) disconnection due to under and over voltage conditions shall also be provided. A manual disconnect 4pole isolation switch beside automatic disconnection to grid would have to be provided at utility end to isolate the grid connection by the utility personnel to carry out any maintenance. This switch shall be locked by the utility personnel The AC output of the solar grid inverter shall be connected to the building‟s electrical system after the Discom service connection meter and main switch on the load side. The solar grid inverter output shall be connected to a dedicated module in the Main Distribution Board (MDB) of the building. It shall not be connected to a nearby load.

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Gorakhpur Electrical Sub-Division
CPWD, Gorakhpur

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List of approved makes for Solar System

	Solar Power Generation System	
1	Solar Power Generation System	VIKRAM/ TATA SOLAR/ WAAREE/ RHINE/ EMVEE/ PANASONIC
2	Junction Box	HENSEL/ SCHNEIDER /VNT/ SUN GARNER
3	SPV Inverter	Sungrow/ Delta/ SMA/ ABB/ SCHNEIDER / SMA/ABB
4	Module Mounting Structure	As per MNRE/ Manufacturer's standard
5	XLPE Alumunium / Copper cable	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/Glostar Cables/ Rallison
6	Solar cable XLPE Insulated (DC)	RR Cable / Polycab/ Havells/ Finolex/ KEI/ BONTON/ Rallison
7	MCB, Isolator, Industrial plug Socket, RCCB, RCBO's	Schneider Electric ACTI-9(N)/ Legrand (DX3)/ Hager/ L&T(Exora)/ ABB (S200M)/Seimens (Betaguard)
8	GI Pipe	Jindal Hissar/TATA/SAIL
9	Cable lugs / glands	Dowells, Wago, Gripwel, Johnsons, Comet, Polycab
10	FRLS PVC insulated copper conductor single core cable for wiring. (ISI Marked)	Finolex/ RR Kabel/ KEI/ Havells/Plaza

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Schedule of work

Name of Work:- SITC of 10 kWp solar photo voltaic power generation system at RS & RW office building ,Gorakhpur.

Sr. No.	Description of Items	Qty	Rate	Unit	Amount (Rs.)
	Solar Photovoltaic Power Plant				
1	Supply, Installation, Testing and Commissioning of on-grid Solar Photovoltaic Power Plant conforming to various applicable standards BIS, IEC, MNRE guidelines, the Central Electricity Authority Regulations and CPWD Specifications as amended up to date, consisting of Mono/Poly Crystalline silicon solar cells module, net metering facility, necessary control, protections, earthing, cabling, mounting structure, junction boxes, power conditioning units, Real time online web interfaced Data Monitoring System, Distribution panels, grid connecting arrangement, conduits, pipes, cable trays and other accessories etc. as required. a) High Energy Efficiency Solar Photovoltaic Module of capacity 330 Wp or above, manufactured in India, conforming to IS 14286/IEC 61215, IS/IEC 61730-Part-1, IS/IEC 61730-Part-2. Solar Photovoltaic Module conversion efficiency shall not be less than 23% at STC with temperature coefficient of Pmax better than -0.30% per degree Celsius. PV modules used in solar power plants/ systems must be warranted for their output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. Solar Modules shall be designed to operate in relative humidity upto 100% with temperature between -10 Deg C and +85 Deg C. Further, each PV module used in any solar power project must have Radio frequency identification tag with information such as name of manufacturer, month and year of manufacturing, country of origin (separately for Solar cell and module), I-V curve, Unique Serial No and Model No of the module, Wattage, Im, Vm and FF, name of test lab issuing IEC certificate.				

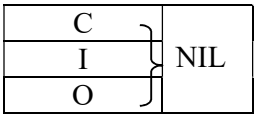
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	b) Power Conditioning Unit (PCU) of 350-800 V DC Input voltage range and 415 V AC, three phase, 4 wire, 50Hz +/- 2.5 Hz, output voltage suitable to generate AC with a variation of 10% at nominal voltage. Power with efficiency not less than 97%, total harmonic distortion less than 3% and suitable for ambient temperature from 0 to 50 degree C , Minimum IP-65 for outdoor and Minimum IP 21 for indoor, Built-in meter and data logger, MPPT, switching devices IGBT/MOSFETs and controller Microprocessor /DSP . PCU/inverter shall be capable of complete automatic operation including wake-up, synchronization & shutdown. The PCU shall be able to withstand unbalanced load conforming to IEC standard with shutdown/standby mode. It must be provided with grid islanding along with manual disconnect pole isolation switch besides automatic disconnection. Minimum protections: Mains Under/ Over Voltage, Over current, Over/Under grid frequency, Over temperature, Surge voltage induced at output due to external source, Short circuit, Lightening, Anti Islanding (for grid synch. Mode) and other protections as per applicable standards. LCD/LED display of minimum parameters: DC input voltage, DC current, AC Voltage and current (all 3 phases, in case of 3 phase), Instantaneous & cumulative AC output power, Daily DC energy produced and other parameters applicable standard. Communication interface RS 485/ RS 232. c) Module mounting structure: The roof top solar plant generation units shall be installed by using supporting Aluminium/Galvanized MS structure (mass of zinc coating shall be as per IS4759) having minimum head room clearance of 2.4 meter above the terrace level / ground level. The mounting structure would be designed to sustain wind load and seismic parameter of the site of installation. All the structure shall be design as per applicable BIS code and the material shall also confirm the applicable BIS Code. Structural material shall be corrosion resistant and electrolytically compatible with the materials used in the module frame, its fasteners, nuts and bolts. The suitable arrangements for maintenance and cleaning shall be provided.				
	d) Real time online web interfaced Data Monitoring System complete with accessories for various parameters such as Solar Irradiance, temperature, AC Output Voltage and current,				

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	Output Power, Power factor, DC Input Voltage and Current, Time Active, Time disabled, Time Idle, Power produced and other parameters as per standard practices. e) Array junction box & Main junction box with IP 65 protection and termination arrangement for incoming and outgoing cable along with glands, lugs and other accessories etc. as required. Each junction box shall be made of GRP/FRP/Powder Coated Aluminium /cast aluminium alloy with full dust, water & vermin proof arrangement with High quality Suitable capacity Metal Oxide Varistors(MOVs) (semiconductor diode with resistant applied voltage)/ surge arrestors and suitable Reverse Blocking Diodes, isolation switches isolate the DC input to Inverter, copper bus bar etc. f) Lightning ,surge voltage protection, earthing protection and grid islanding. g) Cables: Connections & Interconnections by required size IR/UV protected XLPE insulated copper conductor 1.1 kV grade armoured power and control cables(ISI Marked) along with supplying & fixing of necessary channel/conduit, GI cable trays, supports, lugs, thimble and other accessories etc. as required upto end solution.				
	h) DC Distribution Board And AC Distribution Panel Board: IP65, free standing, metal cladded, having copper bus bar, having required protection and control gears, connection interconnection, etc. as required.	10	Per kWp	54280	542800.00
				Total	**5,42,800.00**

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