



GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

ORIGINAL NIT

No.- 39/EE(E)/AGT/CPWD/2026-27

FOR

Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).

Issued by

EXECUTIVE ENGINEER(E)
CENTRAL PUBLIC WORKS DEPARTMENT
C.P.W.D. COMPLEX, USHABAZAR,
AGARTALA-799009
(PHONE NO.: 0381-2952139)

**GOVERNMENT OF INDIA
EXECUTIVE ENGINEER(E)
CENTRAL PUBLIC WORKS DEPARTMENT
C.P.W.D. COMPLEX, USHABAZAR,
AGARTALA-799009
(PHONE NO.: 0381-2952139)**

NOTICE INVITING TENDER

ORIGINAL NIT NO.-39/EE(E)/AGT/CPWD/2026-27

Name of work:	Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).
Estimated Cost	: ₹ 15,19,840.00
Earnest Money	: ₹ 30,397.00
Performance Guarantee	: 5% of Tendered value or Estimated Cost Put to Tender (ECPT) Whichever is higher as mentioned in Schedule E.
Security Deposit	: 2.5% of tendered Value.
Completion Period	: 04 (Four) Months
Last Date for submission of Bid document	: Upto 15:00 Hrs of 19/09/2026

NIT Containing 01 to 36 pages as per Index amounting to ₹ 15,19,840.00 (Rupees Fifteen Lakhs Nineteen Thousand Eight Hundred and Forty only) is hereby approved.

Name of work: Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).

I N D E X

Sl. No.	Details	Page No.
1.	Cover page	1
2.	Tender Document	2
3.	Index	3
4.	Press notice inviting e- tender	4
5.	Information and Instructions for Contractors for E-Tendering	5-8
6.	Proforma for the receipt to be issued by the EE receiving the EMD	9
7.	Part “A”	10
8.	CPWD - 6 for e-Tendering	11-17
9.	CPWD – 7, Percentage Rate Tender & Contract for Works	18-20
10.	Amendments to GCC 2023 for Construction Works	21
11.	Form of Bank Guarantee for Performance / Guarantee / Security Deposit / Mobilization advance	22-23
12.	Part “B”	24
13.	Schedule A to F (Electrical Work)	25-28
14.	General Terms & Conditions	29
15.	List of approved makes	30
18.	Schedule of quantities for Electrical Works	31-34
19.	Part “D”	35
20.	Proforma for quotating tender percentage	36

PRESS NOTICE INVITING e-TENDERS

CENTRAL PUBLIC WORKS DEPARTMENT

The Executive Engineer(E), Agartala Central Electrical Division, CPWD, Usha Bazar, Agartala-799009, Phone No. 0381-2952139, e-mail:agteeaced.cpwd@gov.in invites for & on behalf of the President of India online percentage rate bids from CPWD enlisted contractors of appropriate Class in Building & Roads category for the following work through e-tender solution:-

NIT No.	:	39/EE(E)/AGT/CPWD/2026-27.
Name of work	:	Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).
Estimated Cost	:	₹ 15,19,840.00
Time of Completion	:	04 (Four) Months
Earnest Money	:	₹ 30,397.00
Last time and date of submission of bid	:	Upto 15:00 Hrs of 19/09/2026

The bid forms and other details can be obtained from the website <https://etender.cpwd.gov.in>

The press notice is also available on <https://etender.cpwd.gov.in>

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING
PART OF NIT**

The Executive Engineer(E), Agartala Central Electrical Division, CPWD, Usha Bazar, Agartala–799009, Phone No. 0381-2952139, e-mail: agteeaced.cpwd@gov.in, invites on behalf of the President of India online percentage rate bids from CPWD enlisted contractors of appropriate class in Building & Roads category for the following work through e-tender solution:-

Sl. No.	NIT No.	Name of work&Location	Estimated cost put to bid	Earnest Money	Period of completion	Last date & time for submission of bids, original EMD or a copy of receipt for deposition of original EMD in any other CPWD division	Date & Time of opening of bid
1	2	3	4	5	6	7	8
1.	39/EE(E)/AGT/CPWD/2026-27	Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).	₹ 15,19,840.00	₹30,397.00	04 (Four) Months	Upto 15:00 Hrs of 19/09/2026	On 15:30 Hrs of 19/09/2026

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING

1. Information and instructions for Contractors will form part of NIT and to be uploaded on CPWD e-Tendering website.
2. Earnest Money can be paid in the form of (i) Banker's Cheque of a Commercial Bank, (ii) Account Payee Demand Draft of a Commercial Bank (iii) Fixed Deposit Receipt (FDR) of a Commercial Bank (iv) Insurance Surety Bonds (v) Bank Guarantee (for balance amount as prescribed) from a Commercial Bank drawn in favour of **The Executive Engineer(E), Agartala Central Electrical Division (ACED), CPWD, Agartala, Phone No. 0381-2951393, e-mail: agteeaced.cpwd@gov.in**, along with bank guarantee of any scheduled bank wherever applicable.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or ₹ 20 lakhs, whichever is less, will have to be deposited in shape prescribed above and balance in shape of Bank Guarantee of any scheduled bank. The intending bidder has to fill all the details such as (i) Banker's Cheque of a Commercial Bank, (ii) Account Payee Demand Draft of a Commercial Bank (iii) Fixed Deposit Receipt (FDR) of a Commercial Bank (iv) Insurance Surety Bonds (v) Bank Guarantee (for balance amount as prescribed) from a Commercial Bank, amount and date.

The amount of EMD can be paid by (i) Banker's Cheque of a Commercial Bank, (ii) Account Payee Demand Draft of a Commercial Bank (iii) Fixed Deposit Receipt (FDR) of a Commercial Bank (iv) Insurance Surety Bonds (v) Bank Guarantee (for balance amount as prescribed) from a Commercial Bank.

3. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
4. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
5. **Contractor can upload documents in the form of JPG format and PDF format.**
6. It is mandatory to fill details / upload scanned copies of all the documents such as **GST** registration as stipulated in the bid document. If such document is not uploaded his bid will become invalid and cost of bid document & processing fee shall not be refunded.
7. If the contractor is found ineligible after opening of bids, his bid shall become invalid and Cost of bid document and processing fee shall not be refunded.
8. 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 contractor the bid shall become invalid and cost of bid document and processing fee shall not be refunded.
9. The Bid submitted shall become invalid if:-
 - i) The bidder is found ineligible.
 - ii) The bidder does not Deposit original EMD with Division Office of any Executive Engineer, CPWD (The receipt of EMD document is issued from the place in which the office of receiving Division is situated).
 - iii) The bidder does not upload all the documents (including GST registration) as stipulated in the bid document.
 - iv) Certificate of Registration for GST and acknowledgement of upto date filed return as per NIT stipulation.
 - v) 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 tenderer in the office of tender opening authority.
10. If a bidder 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 bid, the bid shall be treated as invalid and will not be considered as lowest bidder.
11. ~~The Eligibility criteria documents shall be opened first on due date and time. The time and date of opening of technical cum commercial and financial bid of the bidders qualifying the eligibility criteria shall be communicated to them at the later stage.~~
12. It is mandatory to upload scanned copies of all documents including GST registration if these documents are not uploaded, then bid will become invalid and summarily be rejected.
13. After submission of the bid the agency can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

14. The intending bidder must read the terms and conditions of **CPWD-6** carefully. The intending bidder should submit his/their bid only if she/he/they considers himself/themselves eligible and she/he/they is/are in possession of all the documents required.
15. Information and instructions, for bidders posted on website shall form part of bid documents.
16. Bid documents consisting of plans, specifications, schedule of quantities of various types of items of works to be executed and set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> free of cost.
17. Bid can be submitted only after
 - (i) Uploading the mandatory scanned documents such as (i) Banker's Cheque of a Commercial Bank, (ii) Account Payee Demand Draft of a Commercial Bank (iii) Fixed Deposit Receipt (FDR) of a Commercial Bank (iv) Insurance Surety Bonds (v) Bank Guarantee (for balance amount as prescribed) from a Commercial Bankdrawn in favour of **The Executive Engineer(E), Agartala Central Electrical Division (ACED), CPWD, Agartala, Phone No. 0381-2952139, e-mail: agteeaced.cpwd@gov.in and receipt of deposition of EMD and;**
 - (ii) Other documents as specified in the NIT.
18. **The intending bidder must have valid Class-III digital signature to submit the bid.**
19. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
20. Contractor can upload documents in the form of **JPG** format and **PDF** format.
21. In case of e-tendering, integrity Pact shall be treated in the same manner as other components of the bid document. In e-tendering, the intending bidder does not sign any documents physically and entire bid document is submitted through digital signature. Since Integrity pact is a part of bid document no separate physical submission is required with other documents to be submitted in the office of tender opening authority. In addition to other component of bid document, the integrity pact shall also be signed between Executive Engineer & successful bidder after acceptance of bid.
22. The department reserves the right to reject any prospective Applications/ bids without assigning any reason thereof and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids/applications satisfying the laid down criteria are received.
23. **The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP (Enterprise Resource Planning) training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD before 30.06.2024. Training will be valid only when participants are registered in LMS (Learning Management System) of ERP and certificate is issued through LMS of ERP.**

From 01.07.2024, the enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of above training.

In case of non-enlisted contractor being first lowest in any of the tender then either contractor himself or his authorized representative shall take compulsory ERP training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD within two months from the date of issue of Intent letter. Training will be valid only when non enlisted contractor is registered in LMS of ERP and certificate is issued through LMS of ERP. Failure to do so, a recovery of ₹10,000/- (Ten Thousand) per week shall be made from the R/A bill without giving any show cause notice in this regard.

24. **List of documents to be scanned and uploaded within the period of bid submission.**

1.	(i) Banker's Cheque of a Commercial Bank, (ii) Account Payee Demand Draft of a Commercial Bank (iii) Fixed Deposit Receipt (FDR) of a Commercial Bank (iv) Insurance Surety Bonds (v) Bank Guarantee (for balance amount as prescribed) from a Commercial Bank for EMD
2.	Enlistment order of the contractor.
3	Copy of receipt for deposition of original EMD issued from any division office of CPWD or Executive Engineer(E), Agartala Central Electrical Division, CPWD, Agartala <u>(The receipt of EMD document shall be issued from the place in which the office of receiving division is situated).</u>
4	Copy of GST Registration certificate.
5	Copy of Valid Electrical Contractor License OR an undertaking from Composite category Contractor that they will either obtain valid Electrical License at the time of execution of electrical work or Associate Contractor having valid electrical license of eligible class.
6	Name, Contact Number & e-mail of person to be contacted for clarification required if any.
7	ERP (Enterprise Resource Planning) training certificate.

**Executive Engineer(E),
Agartala Central Electrical Division,
CPWD, Usha Bazar, Agartala-799009**

PROFORMA FOR THE RECEIPT TO BE ISSUED BY THE EE RECEIVING THE EMD

Receipt of deposition of original EMD (Receipt No. / date.....)

Name of work:- Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).

NIT No.: 39/EE(E)/AGT/CPWD/2026-27

Estimated Cost : ₹ 15,19,840.00

Amount of Earnest Money Deposit : ₹ 30,397.00

Last date of submission of bid : Upto 15:00 Hrs of 19/09/2026

1. Name of contractor :*
2. Form of EMD :*
3. Amount of Earnest Money Deposit :*
4. Date of Submission of EMD :*

**Signature, Name and Designation of EMD receiving officer
(EE/AE(P)/AO/AAO) along with office stamp**

(*To be filled by EMD receiving Division Office)

PART— “A”

CPWD-6 FOR e-Tendering

The Executive Engineer(E), Agartala Central Electrical Division, CPWD, Usha Bazar, Agartala-799009, Phone No. 0381-2952139, e-mail: agteeaced.cpwd@gov.in invites on behalf of the President of India online percentage bids from CPWD enlisted contractors of appropriate class in Building & Roads category for the work “Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).”

1. Percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD enlisted contractors of appropriate class in composite category

The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

- 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 **Building & Roads category (composite) Contractor** (However, for Horticulture and Furniture etc discipline, it may be modified as per bidding limit of CPWD class I contractors of respective discipline as the case may be)~~

~~Three similar works each of value not less than Rs. or two similar work each of value not less than Rs. or one similar work of value not less than Rs. (all figures rounded to nearest Convenient figure in last 7 years ending previous day of last date of submission of bids.~~

~~**Note:-** For works costing above tendering limit of class - II **Building & Roads category (composite) Contractor** but upto tendering limit of Clause I **Building & Roads category (composite) Contractor** However, for Horticulture and Furniture etc discipline, it may be modified as per bidding limit of CPWD class II and CPWD Class I contractors respectively of respective discipline as the case may be) 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 tendering limit of class 1 **Building & Roads category (composite)** Contractor (However for Horticulture and Furniture etc discipline, it may be modified as per bidding limit of CPWD class I contractors of respective discipline as the case may be.) Three similar works each of value not less than Rs. or two similar work each of value not less than Rs..... or one similar work of value not less than Rs..... (all figures rounded to nearest convenient figure) in last 7 years ending previous day of last date of submission of bids.~~

~~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 the last date of submission of bid. This is applicable for 1.2.1 as well as 1.2.2 (This is not applicable for CPWD enlisted contractors of appropriate class in composite category)~~

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 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 bidder on prescribed Form No. **CPWD 7 (or GCC 2023 for Construction Works (amended up to date))** 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 **04 (Four) 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.
(i) ~~The architectural and structural drawings are available. However minor revisions may be carried out during execution.~~

Or

- (ii) 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 but before last time and date of submission of bid as notified.
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.
8. When bids are invited in three stage system and if is desired to submit revised financial bid then is shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. **Earnest Money of ₹30,397.00** in the form of (i) Banker's Cheque of a Commercial Bank, (ii) Account Payee Demand Draft of a Commercial Bank (iii) Fixed Deposit Receipt (FDR) of a Commercial Bank (iv) Insurance Surety Bonds (v) Bank Guarantee (for balance amount as prescribed) from a Commercial Bank (drawn in favour of **The Executive Engineer(E), Agartala Central Electrical Division, CPWD, Agartala**) **Phone No.0381-2952139, e-mail: agteeaced.cpwd@gov.in** shall be scanned and uploaded to 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 scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD if any of the scanned copy of EMD uploaded 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, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

- 9A. The contractors registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.

The bid submitted shall be opened at **15:30 Hrs on 19/09/2026.**

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 (including GST registration) 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.
 - (v) The bidder does not Upload Proforma for Earnest Money Deposit Declaration.
11. The contractor whose bid is accepted will be required to furnish Performance Guarantee as per OM- DG/CON/Construction/2023/20 dated 27-02-2026.
- (a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).
 - (b) 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 (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.

Performance Guarantee specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than ₹ 10,000.00) 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 ₹ 1,00,000.00) 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. 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 also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work and programme chart (Time and Progress) within the period specified in Schedule F.

12. **The description of the work is as follows:** The situation of work at SIB complex at Salbagan and H.G.B Road, Agartala. The work is consisting of **“Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).”** 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 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 bidders 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 Urban Development. 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 7 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 **Thirty (30) 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 **bids** in case bids are invited in 2 or 3 bid system. Further
 - (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within **7 days after last date 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 or makes any modification in the terms & conditions of the tender which is not acceptable to the department **after** expiry of 7 days **after last date 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 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 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 7orGCC 2023 for Construction Works (amended up to date).**

**Executive Engineer(E),
Agartala Central Electrical Division,
CPWD, Usha Bazar, Agartala-799009
For & on behalf of President of India**

To,

**The Executive Engineer(E),
Agartala Central Electrical Division,
CPWD, Usha Bazar,
Agartala-799009,
e-mail: agteeaced.cpwd@gov.in**

Subject: Submission of Tender for the work of “Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).”

Dear Sir,

I/We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

STATE : Tripura.
BRANCH : B & R

ZONE : Chief Engineer, Agartala.
DIVISION : EE (Electrical), Agartala.

Percentage Rate Tender & Contract for Works

Tender for the work of: “Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).”

- (i) To be submitted **online** by **15:00** (time) Hrs. on **19/09/2026** (date) to **The Executive Engineer(E), Agartala Central Electrical Division, CPWD, Usha Bazar, Agartala–Phone No. 0381-2952139, e-mail: agteeaced.cpwd@gov.in**
- (ii) To be opened in presence of bidders who may be present either at the place of opening of tenders (electronically) or can visualize to process online at **15:30** (time) Hrs. on **19/09/2026**(date) in the office of **The Executive Engineer(E), Agartala Central Electrical Division, CPWD, Usha Bazar, Agartala–Phone No. 0381-2952139, e-mail: agteeaced.cpwd@gov.in**

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.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule ‘F’, viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings 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 respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **Thirty (30) days** from the date of opening of **bid** and not to make any modifications in its terms & conditions.

A copy of earnest money in Receipt (i) Banker’s Cheque of a Commercial Bank, (ii) Account Payee Demand Draft of a Commercial Bank (iii) Fixed Deposit Receipt (FDR) of a Commercial Bank (iv) Insurance Surety Bonds (v) Bank Guarantee (for balance amount as prescribed) from a Commercial Bank is scanned and 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 the 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& Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

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 of the State.

Dated **

Signature of the Contractor

Postal Address ----- **

Telephone No.----- **

Witness:-----

**

FAX ----- **

Address:----- **

E-MAIL ----- *

Occupation:----- **

**** To be filled by Contractor**

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 ₹ * _ _ _ _ _
(Rupees * _ _ _ _ _)

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

- (a) _ _ _ _ _ *
- (b) _ _ _ _ _ *
- (c) _ _ _ _ _ *

For & on behalf of the President of India

Signature.....*

Dated*

Designation.....*

(*) To be filled by EE

***General Conditions of Contract for Central Public Works Department Works–2023 for ConstructionWorks and copy of amendments applicable for GCC- 2023 for ConstructionWorks up to date of submission of bid.**

Following amendments as issued by the DG, CPWD will also form the part of the agreement, which are available on the website (<https://cpwd.govt.in>) of the CPWD and can be seen / downloaded by all.

Sl. No.	O.M. No.	Subject
1.	DG/CON/Construction 2023/09 dated 01/04/2024.	Modification in conditions of contract, General Condition of Contract, 2023 (Construction Work).
2.	DG/Enlist. Rules-2023/10 dated 22/04/2024.	Modification for enlistment under rule 12.0 in ER-2023.
3.	DG/CON/Construction 2023/10 dated 03/06/2024.	Modification in conditions of contract, General Condition of Contract, 2023(Construction Work).
4.	DG/CON/Construction 2023/11 dated 03/06/2024.	Modification in conditions of contract, General Condition of Contract, 2023(Construction Work).
5.	DG/CON/Misc./41 dated 16/07/2024.	Modification in conditions of contract, General Condition of Contract, 2023(Construction Work).
6.	DG/CON/Construction 2023/12 dated 29/10/2024.	Modification in conditions of contract, General Condition of Contract, 2023(Construction Work).
7.	DG/CON/Construction 2023/13 dated 29/10/2024.	Modification in conditions of contract, Clause 10A of GCC Construction Work 2023.
8.	DG/CON/Construction 2023/14 dated 03/01/2025.	Modification in General Rules and Directions of GCC 2023 for Construction Work.
9.	DG/CON/Construction 2023/15 dated 31/01/2025.	Modification in Clause 7A of GCC 2023 for Construction Work.
10.	DG/CON/Construction 2023/16 dated 10/02/2025.	Modification in Clause 7,8,9 and Schedule F of clause 8 of GCC 2023 for Construction Work.
11.	DG/CON/Construction 2023/17 dated 03/03/2025.	Modification in Clause 14 of GCC 2023 for Construction Work 2023.
12.	DG/GCC 2023/Misc./45 dated 13/05/2025.	Suggestion for Modification in Clause 19K of GCC 2023.
13.	DG/CON/Construction/2023/18 dated 16/06/2025	Modification in Clause 25.2(b) and 25.6 of GCC 2023 for Construction Works.
14.	DG/CON/Construction/2023/19 dated 06/11/2025	Modification in Clause 19L of GCC 2023 for Construction Works.
15.	DG/CON/Construction/2023/20 dated 27/02/2026	Modification in General Rules & Direction, Clause 1 and Schedule E of GCC 2023 for Construction Works.
16.	Any other circular/OM issued up to date of submission of the bid.	

** Copies of all above circulars are to be attached with agreement.*

On non judicial stamp paper of minimum ₹ 100

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

**Form of Bank Guarantee for Performance / Guarantee / Security Deposit /
Mobilization advance**

1. Whereas the Executive Engineer (name of division)....., CPWD on behalf of the President of India (hereinafter called "The Government") has invited bids under (NIT number) dated for **"Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West)"**. The Government has further agreed to accept irrevocable Bank Guarantee for Rs. (Rupeesonly) valid upto(date)* as **Earnest Money Deposit** from (name and address of contractor) (hereinafter called " the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the Executive Engineer (name of division)....., CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number with (name and address of the contractor)..... (hereinafter "the contractor") for execution of work (name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupeesonly) valid upto(date)* as **Performance Guarantee / Security Deposit / Mobilization advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees only) on demand by the Government within 10 days of the demand.
3. We, (indicate the name of the bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. 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).
4. We, (indicate the name of the bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the contractor shall have no claim against us for making such payment.

5. We, (indicate the name of the bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor 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 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 or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor 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. We, (indicate the name of the bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, (indicate the name of the bank), undertaken not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, or liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under his guarantee shall stand discharged.

Date

Witness :

1. Signature

Name and address

Authorized signatory

Name :

Designation :

Staff code no.

Bank seal :

2. Signature

Name and address

***Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.**

****In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.**

PART— “B”

SCHEDULES A to F FOR ELECTRICAL WORK

SCHEDULE 'A'

Schedule of quantities **Page No. 31 to 34 (E& M Works)**

SCHEDULE 'D'

Extra schedule for specific requirements/document - **NIL.**
for the work, if any.

SCHEDULE 'E'

Reference to General Conditions of Contract –General Condition of Contract for CPWD work -2023
for Construction Works with amendments issued upto
date of submission of tender.

Name of Work : Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).		
A.	Estimated cost of work	₹ 15,19,840.00
B.	Earnest Money	: ₹ 30,397.00 (To be returned after receiving of PG)
C.	Performance Guarantee	: 5% of Tendered value or Estimated Cost Put to Tender (ECPT) whichever is higher as mentioned in Schedule E.
D.	Security Deposit:	: 2.5% of tendered Value.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting tender	Executive Engineer(Elect.), Agartala Central Electrical Division, CPWD, Ushabazar, Agartala or his successor-in-charge of work.
Maximum percentage of quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2.& 12.3	See below under clause 12 of Schedule 'F'

Definitions:

2(v)	Engineer-in-Charge	Executive Engineer(Elect.), C.P.W.D., Agartala or his successor-in-charge of work.
2(viii)	Accepting Authority	Executive Engineer(Elect.), C.P.W.D., Agartala or his successor-in-charge of work.

2(x)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(xi)	Standard Schedule of Rates:	DSR 2025 with upto date & Market Rates.
2(xii)	Department:	Central Public Works Department
9(ii)	Standard CPWD contract Form GCC 2023 for Construction Works, CPWD from 7/8 as modified & corrected upto date.	C.P.W.D. FORM 7 General Conditions of Contracts 2023 for Construction Works (amended upto date).
Clause 1	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. Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period as provided in (i) above	07 (Seven) days 03 (Three) days
Clause 2	Authority for fixing Compensation under Clause 2	Chief Engineer, Agartala
Clause 5	Number of days from the date of issue of letter of acceptance for reckoning date of start	10 (Ten) days
Clause 5(i)	Extension of time	Executive Engineer(E), Agartala
Clause 5(ii)	Rescheduling of mile stone	Executive Engineer(E), Agartala
Clause 5(iii)	Shifting of date of start in case of delay in handing over of site	Executive Engineer(E), Agartala
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	₹ 5.00 Lacs or part thereof as decided by Engineer-in-Charge (for E&M works)
Clause 7A	Whether Clause 7A shall be applicable	Yes
Clause 8A	Authority to decide compensation on account of contractor fails to submit completion plans	Chief Engineer, Agartala
Clause 10A	List of testing equipment to be provided by the contractor at site lab.	As required for execution of work & as per direction of Engineer-in-Charge.
Clause 10 B(ii)	Whether clause 10-B (ii) shall be applicable.	Not applicable
Clause 10 C	Component of labour expressed as percentage of value of electrical work	Not Applicable.

Clause 10 CC	Not Applicable.
Component of Cement	
Component of Labour	
Civil component of other Construction Materials.	
Electrical and Mechanical (E&M) component of Construction Materials.	
Component of POL (Diesel)	
Reinforcement steel bars/TMT bars/Structural steels (including strands and cables)	
Component of Bitumen	
Total	

Clause 11	Specification to be followed for execution of work.	CPWD Specification for works-2019 Vol I & II with up to date correction slips till last date of submission of tender (Hereinafter called CPWD specifications also) and as detailed in nomenclature of items and CPWD General Specifications for Electrical Works Part I – (Internal) 2023, Part II – (External) 2023, Part –IV (Sub-Station)-2013 and Part –VII (DG set) – 2013 , with correction slips issued up to last date of submission of tender.
Clause 12	Authority to decided deviation upto 1.5 times of tendered amount.	
12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building works.	100%
12.5 (i)	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items)	100%
(ii)	Deviation Limit for items mentioned in earth work Subhead of DSR or related items	100%
Clause 16	Competent Authority for Deciding reduced rates:	
	For Electrical items of work	Chief Engineer, Agartala
	For Civil items of work	Chief Engineer, Agartala

Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As required for timely execution of work as per direction of Engineer-in-Charge.
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Clause 19 C	Chief Engineer, Agartala, CPWD or his successor-in-charge of work
Clause 19D	Chief Engineer, Agartala, CPWD or his successor-in-charge of work
Clause 19G	Chief Engineer, Agartala, CPWD or his successor-in-charge of work
Clause 19K	Chief Engineer, Agartala, CPWD or his successor-in-charge of work

Clause 32: Requirement of Technical Representative (S) and Recovery Rate for each of following E&M components :-

Sl. No. cost of work (Rs. In Crore)		Requirement of Technical staff	Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
Qualification		Number (of Major + Minor Component)		Figures	Words	
More than 15 lacs to 1.5 crore	Graduate Engineer Or Diploma Engineer	1 of major component	2 Or 5 respectively	Project Manager cum Planning/ Quality/Site/ billing Engineer	Rs. 15,000/- per month	Rs. Fifteen Thousand per month

Clause 38 :				
i)	a)	Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2025 printed by CPWD		Not Applicable.
ii)		Variations permissible on theoretical quantities		
	a)	Cement for works with estimated cost put to tender not more than ₹ 25 lakhs.		Not Applicable.
		For works with estimated cost put to Tender is more than ₹ 25 lakhs.		Not Applicable.
	b)	Bitumen all works		Not Applicable.
	c)	Steel reinforcement and structural steel Sections for diameter, section and category.		Not Applicable.
	d)	All other materials		Not Applicable.

GENERAL TERMS & CONDITIONS

1. The work shall be carried out as per CPWD general specifications for electrical works Part-I (Internal) 2023 & II (External) 2023, Part III (Lift & escalator), Part-IV (Sub-Station), Part-V (Wet Riser / Fire Fighting system), Part VI (Fire Detection and Alarm system), Part VII (D.G. sets), Part-VIII (Gas Based Fire Extinguishing System) and HVAC system upto date as amended wherever applicable and entire satisfaction of Engineer-in-charge or his representative.
2. The contractor / Firm is advised to visit the site of work before quoting the rates, in order to ascertain the quantum and location of work.
3. The work shall be carried out as per direction of the Engineer Incharge or his authorized representative
4. Conformity with statutory acts, rules, standards and codes all electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 2003 and Indian Electricity Rules, 1956 as amended upto date. They shall also conform to CPWD General specification for Electrical works, part-I (Internal, 2023 and part- II (External), 2023 and part IV (Sub station) 2013, part V (Wet Riser and Sprinkler system for fire fighting installation)- 2006 Part VI (Fire Alarm System) Part III (lift), DG Set Part VII as amended upto date.
5. Department shall in no way be involved in any dispute of whatever kind, between the contractor and the staff engaged by him. Payment against the final bill however would be subject to clearance from labour authorities.
6. The quoted rates should be inclusive of all taxes etc. i.e. GST and nothing extra will be paid.
7. The contractor shall take all precaution for safety of the workmen. If any accident/mishap occurs, the department shall not be responsible for the same. Consequently any compensation payable shall be at the contractor cost.
8. Watch and ward of all the installations shall be the responsibility of the contractor.
9. Terms & Payment for internal electrical installation/work:

The following percentage of contract rates for the various items included in the contract shall be payable against the stage of work shown herein.

Sl. No.	Stage of work	% age of Quoted Rate for Item
a)	On initial inspection of equipment and delivery at site in good condition on pro-rata basis.	60%
b)	On completion of pro-rata installation	20%
c)	On completion of pro-rata testing and commissioning and successful taking over by the Department/ Client	20%

List of Acceptable Make

Sl. No.	Description of Percentage	Preferred Makes & Model
1	SPV Modules	TATA Power/ EMMVEE Solar/ BHEL/ BEL/ CEL/ HHV/ Panasonic/ Vikram Solar/ Waaree/ Moserbaer/ GE Solar/ SOVA Power/ Kosol Sun Ray/ Alpex Kotak/Havells / Luminious/ Waree/Ina/ Pahal
2	Power Conditioning Unit (PCU) (NEC, UL, CE certified/ Specification)	SMA/ Schneider/ Siemens/ Kaco/ Delta/ ABB/ GE Energy/ Emerson/ Mitsubishi/ Solex/ Su-Kam/ Luminious/Havells / Luminious/ Waree/Ina/ Pahal
3	Accessories/ Connecters	MC/ TycoSolarlok/ Cooper busman/ Elcom/ Elmex
4	Grid Tied Inverter	Refusol/ Schneider-Xentrex/ ABB/ Kaco/ Luminious/ Waree/Ina/ Pahal
5	MCBs	L&T/ Siemens/ Schneider/ Legrand/ ABB/ Hager
6	Array Junction Boxes	Hensel Germany/ VNT/ Sungarner/ TTPL/ Phoenix/ Spelsberg/ Mecano/ OEM of SPV modules/ Luminious/ Waree/Ina/ Pahal
7	Power/ Control cables	CCI/ Havells/ Skytone/ National/ RR Kabel/ Finolex/ Polycab/ KEI
8	Copper Wire (TUV IEC 61636 Graded)	Lapp Germany/ Finolex/ Havells/ Polycab/KEI

**Executive Engineer (E),
CPWD, Agartala**

SCHEDULE OF QUANTITIES

Name of work: Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).

Item No.	Description of Items	Qty	Unit	Rate	Amount	DSR /MR
	SH: I Solar Photovoltaic Power Plant					
1.1	Supplying 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 0C. 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 0C and +85 0C. 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					
	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 0C, 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, Lightning, 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, 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 armored 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.					
	h) DC Distribution Board And AC Distribution Panel Board: IP65, free standing, metal clad, having copper bus bar, having required protection and control gears, connection-interconnection, etc. as required.					
1.1.1	For SIB Building at Salbagan	25	kwp	54280	1357000.00	17.1
1.1.2	For SIB Building at H.G.B Road	3	kwp	54280	162840.00	17.1
		TOTAL SH-I			1519840.00	
	Total of DSR 2025 Items (Elect.)				1519840.00	A
	Total				1519840.00	

Executive Engineer(E)
ACED, CPWD, Agartala

PART– “D”

CENTRAL PUBLIC WORKS DEPARTMENT

N.I.T. No: 39/EE(E)/AGT/CPWD/2026-27

Name of work: Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).

SCHEDULE OF QUANTITY

Name of the Contractor

Sl. No.	Name of component	Estimated cost (Civil& Electrical) (in ₹)	Percentage above or below the estimated cost	% in Figures	Total Cost (in ₹)
1	2	3	4	5	6
1	Supplying, Installation, testing and commissioning of solar power generation system for SIB Building at Salbagan & SIB Building at H.G.B. road, Agartala, Tripura (West).				
	Total =	1519840.00			

1. The Column Nos 4 & 5 are mandatory to be filled by the bidders/tenderers. If all these columns are left blank, the tender become invalid.
2. The amount in figures in column No.6 shall appear automatically corresponding to the percentage quoted in column No.4 & 5.
3. The tenderer is required to quote the percentage only above or below or at par with the estimated cost to cover all the rates of item covered under the respective packages.
4. The percentage shall be written in 2 (two) place of decimal.
5. If the percentage selection in column No 4 is "At Par", by default the percentage will be considered as "Zero" only. In other words, if "At par" is selected in column No.4, then no need to fill column No.5.

Executive Engineer(E),
ACED, CPWD, Usha Bazar,
Agartala-799009