

INDEX FOR e-TENDERING

Name of work: Renovation of shed net covering with polaycarbonate sheet for CI Divisions in IGfRI Jhansi (U.P.) (SH:- SITC of Spectrum light, Cooling pad and exhaust fan and fogging system etc. as required at IGfRI Jhansi)

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Certified that this NIT contains pages **1 to 31 (One to Thirty One Only)** .

This NIT is approved for Rs. 3,56,205/-

NIT No. 74 /EE(E)/Gwalior/2025-26 (4th Call)

Assistant Engineer (E)
Central P.W.D.,

Tekanpur.

Note : The enlisted contractors of class-II and above can tender within their tendering limit for works all over the country irrespective of jurisdiction of the enlisting authority. The tendering limit is uniform all over India. Enlisted contractors class-III, IV and V can tender within their tendering limit for works in the region of enlisting authority only. Enlisted contractors of class-III, IV and V can participate in tenders within the jurisdiction as detailed in table-9 as per their tendering limit.

As per No. DG/Enlist.Rules-2026/Misc./01 Dated 31.12.2025

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING
FORMING PART OF NIT AND TO BE POSTED ON WEBSITE**

The Assistant Engineer (E), CPWD, Tekanpur on behalf of President of India reinvites online Percentage rate tender in single bid from approved and eligible contractors of CPWD for the following Work:

Sl. No.	NIT No.	Name of work & Location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of tender i/c eligibility document & Original EMD, Copy of receipt for deposition of original EMD (Uploading)	Time & date of opening of tender
1	2	3	4	5	6	7	8
1	74 /EE(E)Gwalior/2025-26(4 th Call)	Renovation of shed net covering with polaycarbonate sheet for CI Divisions in IGFR I Jhansi (U.P.) (SH:- SITC of Spectrum light, Cooling pad and exhaust fan and fogging system etc. as required at IGFR I Jhansi)	Rs. 356205/-	Rs.7124/-	01 month	Up to 15:00 P.M. On 13.10.2026	At 15:30 PM On 13.10.2026

- 1) 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.
- 2) Information and Instructions for bidders posted on website shall form part of bid document.
- 3) 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 website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.

Correction...Nil..Insertion...Nil..Overwriting...Nil..Deletion...Nil..... AE(E)

- 4) 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 Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial 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.
- 5) Those contractors who are not registered or have not updated their profile on the website 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 <https://etender.cpwd.gov.in>
- 6) 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 instructions available on download section of <https://etender.cpwd.gov.in>.
- 7) On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
- 8) Contractor can upload documents in the form of JPG format and PDF format.
- 9) Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow 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.

List of Mandatory Documents to be scanned and uploaded within the period of tender submission.

1. Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.
2. 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 is situated).
3. Enlistment order of the Contractor in CPWD which should be valid as on last date of submission of bid.
4. Valid Electrical Contractor License.
5. G.S.T. 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 other bid documents.
"If work is awarded to me, I/We shall obtain G.S.T. registration Certificate as applicable, within one month from 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 a/c of the work executed and / or for any action taken by CPWD or G.S.T. department in this regard"
6. Copy of ERP training certificate shall uploaded.
7. Address with Phone No. and email-ID of bidder.
8. Undertaking for site inspection as per Annexure-II.
9. The main Agency should be submit undertaking regarding submission of MOUs as per Annexure - IV of specialized work their authorized agency such as :-
"I/we undertake to submit MOU for execution of specialized work i.e. Construction of Poly House/ Green House as per format given in NIT"

**Assistant Engineer (E)
Central P.W.D., Tekanpur**

Annexure -I**Information and instructions for tender inviting authority for e-tendering.**

1. The NIT approving authority/ Tender inviting authority at the time of issue of NIT also fills and upload the following prescribed format of receipt of deposition of original EMD along with NIT:-

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

Name of work	NIT No.	Estimated Cost	Amount of Earnest money Deposit	Last date of submission of bid.
Renovation of shed net covering with polycarbonate sheet for CI Divisions in IGFRJ Jhansi (U.P.) (SH:- SITC of Spectrum light, Cooling pad and exhaust fan and fogging system etc. as required at IGFRJ Jhansi)	74/EE(E)/Gwalior/25-26 (4 th Call)	Rs. 356205/-	Rs. 7124/-	13.10.2026

(* To be filled by Tender inviting authority/NIT approving authority at the time of issue of NIT and uploaded along with NIT)

Name of contractor	Form of EMD	Amount of Earnest money Deposit	Date of submission of EMD

(#To be filled by EMD receiving EE/DDH)

2. The Authority receiving EMD in original form examines the EMD deposited by the bidder and issues receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting authority. The receipt can also be issued by any subordinate gazetted authority as authorized by the Engineer-in-Charge/DDH.
3. The authority receiving original EMD also intimates tender inviting authority about deposition of EMD by the agency by email/fax/telephonically.
4. The original EMD receiving authority releases the EMD to unsuccessful bidders after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier, after verification from the e-tendering portal website ([https:// etender.cpwd.gov.in](https://etender.cpwd.gov.in)>closedTender>all) that the particular contractor is not L-1 tenderer and work is awarded.
5. The tender inviting authority calls for original EMD of the L-1 tenderer from EMD receiving authority immediately.

**Signature, Name and Designation of EMD
Receiving officer (EE/AE(P)/AE/AAO/DDH)
Alongwith Office stamp**

FORMAT FOR UNDERTAKING FOR SITE INSPECTION

To,

Assistant Engineer (E),
Central P.W.D., Tekanpur

“I/we hereby give an undertaking for the given work as follow :”

NIT No. 74 /EE(E)/Gwalior/2025-26 (4th Call)

Name of Work : Renovation of shed net covering with polaycarbonate sheet for CI Divisions in IGFRJ Jhansi (U.P.) (SH:- SITC of Spectrum light, Cooling pad and exhaust fan and fogging system etc. as required at IGFRJ Jhansi).

I/we have inspected and examined the site and its surroundings is/are satisfied before submitting our bid 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 I/we may require and in general shall myself/ourselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid. I/we shall be deemed to have full knowledge of the site whether I/we inspect it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. I/we shall be responsible for arranging and maintaining at our 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 I/we implie(s) that I/we have read this notice and all other contract documents and has made myself/ourself 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 us by the Government and local conditions and other factors having a bearing on the execution of the work.

Place:

Date :

Yours faithfully

(Signatures of Bidder(s))

CPWD- 6 For e –Tendering

1. The Assistant Engineer (E), CPWD, Tekanpur on behalf of President of India reinvites online Percentage rate tender in single bid from approved and eligible contractors of CPWD for the following Work:

N/W : Renovation of shed net covering with polycarbonate sheet for CI Divisions in IGFRI Jhansi (U.P.) (SH:- SITC of Spectrum light, Cooling pad and exhaust fan and fogging system etc. as required at IGFRI Jhansi)

The enlistment of the contractors should be valid on the last date of submission of tenders.

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 **Rs. 3,56,205/-** This estimate, however, is given merely as a rough guide.

- 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 estimated cost put to tender or two similar works each of value not less than 60% of estimated cost put to tender or one similar work of value not less than 80% of estimated cost put to tender (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) ~~(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 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 ~~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)~~

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 (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 **01 Month** 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. The work is to be carried out in occupied building.
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. 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, GCD- II, CPWD, Gwalior.**) 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
Correction...Nil..Insertion...Nil..Overwriting...Nil..Deletion...Nil..... AE(E)

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 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee including e- Bank Guarantee of any Commercial bank having validity for a period of **90 days** for single bid works 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.

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 has deposited EMD with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 PM on 13.10.2026

9. The bid submitted shall become invalid and e-Tender processing fee (if applicable) 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.
10. The contractor whose bid is accepted will be required to furnish performance guarantee 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 Correction...Nil..Insertion...Nil..Overwriting...Nil..Deletion...Nil..... AE(E)

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 within the period specified in Schedule F.

11. **The description of the work is as follows:**

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A 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.

12. 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.
13. 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.
14. 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.
15. 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 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.

16. 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.
17. The bids for the work shall remain open for acceptance for a period of **30 (thirty)** days from the date of opening of bids.
 - (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.
18. 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.
19. 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 (Phone No. 0751-2231199, e- mail Id gwa-eee@cpwd.gov.in or ERP helpline no. 18001803286 or e-mail Id cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
20. **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. 2.70 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. 2.70 lakh and upto and equal to estimated cost of Rs. 6.20 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)
CPWD, Tekanpur.

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Percentage Rate Tender & Contract for Works

Tender for the work of: -

N/W : Renovation of shed net covering with polycarbonate sheet for CI Divisions in IGFRI Jhansi (U.P.) (SH:- SITC of Spectrum light, Cooling pad and exhaust fan and fogging system etc. as required at IGFRI Jhansi)

- (i) To be submitted up to 3:00 PM online on :...13.10.2026
- (ii) e-tenders to be opened at 3:30 PM on 13.10.2026 in the office of the Assistant Engineer (Elect.), CPWD, Tekanpur.

Issued to

Signature of officer issuing the documents

Designation : AE (Elect.), CPWD, Tekanpur.

Date of Issue

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 **30 (Thirty)** days from the due date of opening of tender and not to make any modification in its terms and conditions.

I/We, have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document. A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank is scanned and uploaded (strike out as the case may be). 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 his successors in office shall without prejudice

Correction...Nil..Insertion...Nil..Overwriting...Nil..Deletion...Nil..... AE(E)

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 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, 12.3 & 12.4 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.

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 Deposited / 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 the 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 Contractor #

Witness: #

Postal Address #

Address: #

To be filled in by the contractor/ witness as applicable

Occupation: #

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an 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

PROFORMA OF SCHEDULES

(Separate Performa for Civil, Elect. & Hurt. Works in case of Composite Tenders)
(Operative Schedules to be supplied separately to each intending tendered)

SCHEDULE 'A'

Schedule of quantities (as per PWD-3) – as per schedule of work attached -

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

Sl. No.	Description of Item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
----- NIL -----				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4
----- NIL -----			

SCHEDULE 'D'

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

----- As Enclosed -----

SCHEDULE 'E'

Reference to General Conditions of contract.

Name of Work : Renovation of shed net covering with polaycarbonate sheet for CI Divisions in IGRI Jhansi (U.P.) (SH:- SITC of Spectrum light, Cooling pad and exhaust fan and fogging system etc. as required at IGRI Jhansi).

Estimated cost of work :

(i) Earnest Money :

(ii) Performance Guarantee :

Rs. 356205/-

Rs. 7124/-

(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.

- (iii) Security Deposit : 2.5% of tendered value
or
~~2.5% of tendered value plus 3% PG for contracts involving maintenance of the building and services/other work after construction of same building and services/other work.~~

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS :

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

See below

Officer inviting tender

AE(E),CPWD,Tkp.

Definitions:

2(v) Engineer-in-Charge

AE(E),CPWD,Tkp.

2(viii) Accepting Authority

AE(E),CPWD, Tkp.

2(x) Percentage on cost of materials and

Labor to cover all overheads and profits:

15% (Fifteen percent)

2(xi) Standard Schedule of Rates: -

SCHEDULE OF RATES (ELECTRICAL) – 2025
& M.R. OF NON-SCHEDULE ITEMS

2(xii) Department :

CENTRAL PUBLIC WORKS DEPARTMENT

9(ii) Standard CPWD Contract Form

CPWD Form – 7

GCC maintenance work 2023,CPWD

Form 7/8 as modified &

corrected upto **previous day of the**

last date of submission of the

tender.

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 there of from the date of issue of letter of acceptance

07 DAYS

- (ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above

03 DAYS

Clause 2

Authority for fixing compensation under clause 2

SUPERINTENDING ENGINEER
CPWD, Gwalior

Clause 2A

Whether Clause 2A shall be applicable

No

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start.

10 DAYS

Milestone(s) :- as per Table given below

Table of milestone(s)

S.No.	Description of Milestone	Time allowed in days (From date of start)	Amount to be withheld in case of non-achievement of milestone
	N.A.		

Time allowed for execution of work

01 Month

Authority to decide:

- (i) Authority to convey the decision
shifting of milestone & extension of time

AE (ELECT.),
CPWD, Tk. or his successor thereof

- (ii) Rescheduling of mile stone

SUPERINTENDING ENGINEER
CPWD, Gwalior or his successor thereof

- (iii) Shifting of date of start in
case of delay in handing over of site

SUPERINTENDING ENGINEER
CPWD, Gwalior or his successor thereof

Clause 5

Applicable clause 5/ Clause 5A

5

Clause 6 :

Computerised Measure Book (CMB)
/Electronic Measurement Book (EMB)
Mode of Measurement

CMB

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

35000/-

Clause 7(A) – Whether clause 7(A) shall be applicable -

Yes

Clause 10A

List of testing equipment to be provided
by the contractor at site lab.

- As per Annexure "A"

Clause 10B (ii)

Whether Clause 10B (ii) shall be applicable

No

Clause 10C

Component of labor expressed as percent

NA

Clause 10CC

NOT APPLICABLE

Clause 11

Specifications to be followed
for execution of work

Part-I (Internal) 20203, **Part-II** External 2023

1. **Part- III** Lift & Escalators – 2023, Amendment No. 1, **Part -V** Wet Riser & Sprinkler Systems –2020, General Specifications for Heating, Ventilation & Air-Conditioning (HVAC) - 2024, **Part- VI** Fire detection & Fire alarm system-2018 , With correction slips up-to the previous day of the last date of submission of Bid including extension., if any and manufacturer's specification and as per direction of Engineer-in-charge.
2. Additional specifications as per attached with Schedule of work

Clause 12

Authority to decide deviation beyond
1.25 times & upto 1.5 times of tender
amount :
Type of work :

SE/CPWD/Gwalior
Maintenance work

12.2

Deviation limit beyond which
clause 12.2 shall apply
for work.

No Limit

Clause 16

Competent Authority for
deciding reduced rates.

SE,CPWD,Gwalior

Clause 18

List of mandatory machinery, tools & plants
to be deployed by the contractor at site:

- As per Annexure "A"

Clause 19C

Executive Engineer (E),CPWD, Gwalior authority to decide penalty for each default.

Clause 19D

Executive Engineer (E), CPWD,Gwalior authority to decide penalty for each default.

Clause 19G

Executive Engineer (E), CPWD,Gwalior authority to decide penalty for each default.

Clause 19K

Executive Engineer (E), CPWD,Gwalior authority to decide penalty for each default.

Clause 25 : Settlement of Dispute by Conciliation and Arbitration

1	Conciliator	ADG ,Bhopal
2	Arbitrator Appointing Authority	SE, Gwalior
3	Place of Arbitration	Gwalior

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

Sl. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clauses 32	
						Figure	words
			NA				

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

Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38

- (i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates printed by C.P.W.D.
- [ii) Variations permissible on theoretical quantities:
- (a) Cement
- For works with estimated cost put to tender not more than Rs. 25 lakh. 3% plus/minus.
- For works with estimated cost put to tender more than Rs. 25 lakh. 2% plus/minus.
- (b) Bitumen All Works 2.5% plus & only & nil on minus side.
- (c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus.
- (d) All other materials. Nil.

Executive Engineer (E)
Central P.W.D, Gwalior

Annexure-A**(As Per Clause 10A & 18)**

List of mandatory machinery, tools and plants & testing Equipment to be deployed by the contractor at site.

1.	Steel/Aluminium Ladder 1.5 m to 8 m. -	2 Nos.
2.	Chase cutting machines. -	2 Nos.
3.	Electrical wire drawing equipment -	2 Set.
4.	Torque wrench for nut/bolt/screws -	2 Nos.
5.	Conduit die set. -	2 Set.
6.	Pipe vice. -	1 No.
7.	Bench vice. -	1 No.
8.	L.T.Megger 500/1000 volts. -	1 No.
9.	Tong Tester. -	1 No.
10.	Multimeter. -	1 No.
11.	Hydraulically operated & hand operated crimping machine. -	1 No.
12.	Earth tester. -	1 No.
13.	Electrically operated drilling machine. -	2 Nos.
14.	Electrically operated Hammer drilling machine.-	2 Nos.
15.	Electrically operated Chase cutting machine. -	1 No.
16.	Gas charging kit -	1 No.
17.	Pressure Jet Machine -	1 No.
18.	TDS & pH meter -	1 Set

Note : The Engineer In Charge may add or delete above listed mandatory machinery, tools and plants & testing equipments as per actual requirement at site.

Annexure-III**CONSENT LETTER (WILLINGNESS CERTIFICATE)**

I hereby give my willingness to work as associated contractor for the above mentioned work.

I/We hereby give my / our consent to work as specialized contractor till the completion of work and I/we will be responsible for necessary action to hand over the work and for rectification of defects and repair during the maintenance period. I/we will execute the work as per CPWD specification and addition conditions of the works.

I/we will also engage suitable Engineer for the work as per condition of work. I further certify that the above particulars pertaining to me are correct.

Signature of Electrical Contractor

Annexure – III**Eligibility condition for execution of Specialized Work**

The main agency has to associate the specialized agency of SITC of Specialized Work i.e. **Construction of Poly House/ Green House**. The associate specialized agency should have successfully completed similar works, as mentioned under during last 7 years ending last day of month previous to one in which tender are invited:

(i) Three similar works each costing not less than 40% of estimated cost put to tender.

OR

(ii) Two similar works each costing not less than 60% of estimated cost put to tender.

OR

(iii) One similar works each costing not less than 80% of estimated cost put to tender.

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 date of submission of tender.

Similar work shall mean works of “Construction of Poly House/ Green House”.

The Buildings & Roads category contractor is also be eligible to carry out himself/ herself any or all of these works without associating any specialized agency provided: (a) He fulfills the prescribed eligibility criteria respectively for these work(s).

OR

(b) He directly procures the equipment of approved make from manufacturer and gets it installed from authorized agency/service provider of the manufacturer or specialized agency as per criteria mentioned in NIT.

The main contractor/agency has to submit detail of such associate agency to Engineer-in-charge (**Construction of Poly House/ Green House System**) within 10 days from date of start of work. The associate agency shall be approved by Engineer-in-charge (**Construction of Poly House/ Green House**). 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 (**Construction of Poly House/ Green House**). 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 main contractor to change the agency executing such items of work and this shall be binding on the contractor.

Annexure - IVRs. 100/- Non-judicial stamp**MEMORANDUM OF UNDERSTANDING (MOU) FOR ASSOCIATED CONTRACTOR**

M/s. (Name of the firm with full address)

(Henceforth called the Main Contractor)

And

M/s. (Name of the firm with full address)

(Henceforth, called the Associated Contractor)

Name of work: “.....”

NIT No.

This MoU is made at on between the
..... (herewith called the main contractor) and

(herewith called the Associated contractor).

Whereas the main contractor has agreed to entrust the **Construction of Poly House/
Green House**

of opted technology only to the associated contractor.

We state that MoU between us will be treated as an agreement and has legality as per Indian Contract Act (amended up to date) and the department (CPWD) can enforce all the terms and conditions of this agreement for execution of the **Construction of Poly House/ Green House**. of opted technology only in respect of above work. Both of us shall be responsible for the execution of **Construction of Poly House/ Green House** as per the agreement to the extent this MoU allows. In case of any delay in the payment by the main contractor, the associated contractor can apply to the CPWD to release the payment under Clause 7B and deduct the same from the bills of the main contractor. In case of any dispute, either of us will go for mediation by the CE or SE (as the case may be) and his decision shall be final and binding on both of us.

We have further agreed as under:

1. The Associated Contactor will execute **Construction of Poly House/ Green House** of opted Technology works as per terms and conditions of this agreement.
2. All the machinery and equipment, tools and tackles required for execution of the **Construction of Poly House/ Green House** of opted Technology works, as per this MoU, shall be the responsibility of the Associated Contractor.
3. The site staff required for the execution of **Construction of Poly House/ Green House** of opted Technology work shall be arranged by the Associated Contractor as per terms and conditions of this MoU.

4. All the correspondence regarding execution of the **Construction of Poly House/ Green House** of Opted Technology work shall be done by the department with the main contractor. In case of non-compliance of the provisions of agreement of the work by the associated contractor, the main contractor shall be held responsible and action will be taken against him as per agreement provisions.
5. In case of non-performance, associated contractor will be debarred from participation or association in the CPWD tenders by the CPWD.

(Authorized Signatory)

(Authorized Signatory)

SIGNATURE OF THE MAIN CONTRACTOR

SIGNATURE OF ASSOCIATED CONTRACTOR

Date :

Date :

Place :

Place :

1. Witness with address

1. Witness with address

(From main contractor side)

(From associated contractor side)

ADDITIONAL TERMS & CONDITIONS
(For Internal & External Work)

1. All the works shall be carried out as per CPWD General Specification's for Electrical Works Part-I (Internal) 2023& Part-II (External) 2023, amended up to the last date of submission of tender.
2. **Conformity to IE act, IE Rules, and standards:**
 All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 1910 and Indian Electricity Rules, 1956 amended up to the last date of submission of tender unless specified otherwise. List of rules of particular importance to electrical installations under these General Specifications for internal works is given for reference.
3. **General requirements of components:**
 - 3.1 **Quality of material:** All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site. The model of equivalent make shall be approved by Engineer – in- charge on producing relevant paper of the model and equivalent make shall be equal or more rich specification.
 - 3.2 The model of equivalent make shall be approved by Engineer- in- charge on producing relevant paper of the model and equivalent make shall be equal or more rich specification.
 - 3.3 Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.
 - 3.4 Samples of all materials, fittings and other materials/articles required for execution of the work shall be got approved from the Engineer-in-charge. Materials / articles manufactured by the firms of repute as indicated in tender documents and approved by the Engineer-in-charge shall only be used.
 - 3.5 All the materials and equipments shall be procured directly from manufacturer or authorized dealers only.
 - 3.6 Even ISI marked materials shall be subjected to quality test at the discretion of the Engineer-in-charge besides testing of other materials as per the specifications described for the item/material. Whenever ISI marked materials are brought to the site of work; the contractor shall, if required by the Engineer-in-Charge, furnish manufacturers test certificates to establish that the materials procured by the contractor for incorporation in the work satisfy the provisions of IS codes relevant to the material and/or the work done.
 - 3.7 The MCB should be 10 KA breaking Capacity.
 - 3.8 The fan box cover shall be made from 3mm thick phenolic laminated sheet as per CPWD specification.

- 3.9** The contractor shall provide only metallic junction boxes/looping boxes with cover of required sizes even in PVC conducting and such boxes shall be measured as a part of conduit/wiring without any extra payment.
- 3.10** The metallic junction boxes & looping boxes shall be covered with approved makes of phenolic laminated sheet. For telephone, television & fire alarm system shall be provided at all the floors within scope of work without any extra cost as per requirement & layout approved by Engineer- in-charge.
- 4. Ratings of components:**
- 4.1** All components in a wiring installation shall be of appropriate ratings of voltage, current and frequency, as required at the respective sections of the electrical installations in which they are used.
- 4.2** All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.
- 5. Conformity to standards:**
- 5.1** All components shall conform to relevant Indian Standard Specifications wherever existing. Materials with ISI certification mark shall be preferred.
- 5.2** Relevant Indian Standards including amendments or revisions thereof up to the last date of submission of tender shall be applicable in the respective contracts for respective items, firm to ensure its compliance.
- 5.3** The connections of switches, sensors, earthing conductors & interconnections cables shall be made by adequate rating thimbles of approved standard makes only and nothing extra on this account shall be paid.
- 5.4** Material to be used in the work shall be ISI marked. The make of material have been indicated in the list of acceptable makes. No other make will be acceptable. The material to be used in the work shall be got approved from the Engineer-in-charge before its use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications.
- 5.5** Modular type switches / sockets / telephone outlets / TV sockets are to be provided wherever indicated in the items. The same shall be of only one make. The modular plates of switches, sockets, telephone & TV sockets etc. shall be in two parts i.e. plates with frames with in quoted rates.
- 6. Interchangeability:**
Similar parts of all switches, lamp holders, distribution fuse boards, Switch gears, ceiling roses, brackets, pendants, fans and all other fittings of the same type shall be interchangeable in each installation.
- 7. Inspection of materials and equipments:**
- 7.1** Materials and equipments to be used in the work shall be inspected by the

departmental officers. Such inspection will be of following categories:

- 7.1.1 Inspection of materials / equipments to be witnessed at the Manufacturer's premises in accordance with relevant BIS / Agreement Inspection Procedure.
 - 7.1.2 To receive materials at site with Manufacturer's Test Certificate(s)
 - 7.1.3 To inspect materials at the authorized dealer's godown to ensure delivery of genuine materials at site.
 - 7.1.4 To receive materials after physical inspection at site.
- 7.2 Adequate care to ensure that only tested and genuine materials of proper quality are used in work shall be ensured by firm. The firm shall ensure that:
- 7.2.1 Material will be ordered & delivered at site only with the prior approval of the department to ensure timely delivery.
 - 7.2.2 As and when the order is placed for the fittings / fixtures, cables, switchgears, poles, rising main, other main items etc, its copy shall be endorsed to the CPWD Engineer-in-charge.
 - 7.2.3 The firm will be required to procure material like exhaust fans, MCB's & DB's, switches & sockets, wires & cables, conduits and switchgears etc directly from the manufacturer/ authorized dealers to ensure genuineness & quality and as per the approved makes only. Proof in this regard shall be submitted by the contractor if required by the department.
 - 7.2.4 Inspection at factory or at godown of the manufacturer, as required, shall be arranged by the firm for a mutually agreed date. Certificate for genuineness of the fittings shall have to be provided duly signed by the manufacturer's officer not below the rank of Regional Manager.
 - 7.2.5 Delivery of material shall be taken up only with the consent of department, after clearance of the material.
 - 7.2.6 Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.
- 7.3 Similarly, for fabricated equipments, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.
- 7.4 The contractor shall give a trial run of the equipments and machinery for establishing its capability to achieve the specifications within laid down tolerances to the satisfaction of the Engineer-in-charge before commencement of work.

8. **Workmanship:**

- 8.1 Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.
 - 8.2 **Proper supervision/skilled workmen:** The contractor shall engage suitably skilled/licensed workmen of various categories for execution of work duly supervised by technical representative having appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-in-charge and his authorized representatives during the progress of work.
 - 8.3 **Fabrication in reputed workshop:** Switch boards and LT panels shall be fabricated in a factory/workshop having modern facilities like quality fabrication, seven tank processes, and powder / epoxy paint plant, proper testing facilities, manned by
- Correction...Nil..Insertion...Nil..Overwriting...Nil..Deletion...Nil..... AE(E)

qualified technical personnel. These shall be as per make / item approved.

8.4 The contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipments to execute the work.

9. **Provisions for services and proper planned work:-**

- 9.1 The main contractor shall leave such recesses, holes, openings, etc., as may be required for the electric, air conditioning and other related works. The main contractor has also to fix inserts, sleeves, brackets, conduits, base plates, insert plates, clamps etc if any at the time of casting of concrete, stone work & brick work. These inserts, sleeves, brackets, conduits, base plates, insert plates, clamps etc shall be arranged by the contractor and shall be paid accordingly if these are not the part of equipment for which it is being provided.
- 9.2 The contractor shall ensure quality construction in a planned and time bound manner. Any substandard material or work which is not within permissible tolerance limits shall be summarily rejected by the Engineer-in-Charge.
- 9.3 The contractor shall make sample as per timeline mentioned in the milestone given of this tender document using all approved materials, for approval of Engineer-in-charge before commencement of execution of mass scale work.
- 9.4 Check nuts shall be provided while terminating the M.S. conduits in switch board boxes for which nothing extra shall be paid.
- 9.5 All distribution boards shall be marked with circuits controlling the rooms/area/SDB controlled.
- 9.6 While deciding the size of switch boxes for light points / fan point / exhaust fan point, two extra modules shall be provided for each fan point for fixing of regulator (fan regulator is to be provided under different item). Wherever extra modules are available, the same shall be provided with blanking plates without any extra cost.
- 9.7 Contractor will not provide any ceiling rose/connector/looping box etc wherever false ceiling is being provided. The point wiring in that case will be extended up to the fitting/fan etc. directly without provisions of any termination arrangement in between. The wire from the end point up to the fixture shall be considered to be included in the point wiring. Nothing extra shall be paid for the same.
- 9.8 Wherever providing of rigid conduits is not possible, flexible conduit pipe shall be provided for drawing/running the wires. However, such arrangement has to be kept minimum and only with the prior approval of Engineer-in-charge or his authorized representative.
- 9.9 Earthing and all items of work that cannot be checked later on are to be got approved from Engineer-in-charge or his authorized representative before proceeding further.
- 9.10 The firm shall use only electrically operated chase cutting machine for cutting the chases in the wall for recessed conduit wiring.
- 9.11 The contractor shall follow the shortest route for circuits, sub main, point wiring etc.
- 9.12 Colour coding as per specification shall be adopted in the wiring system.
- 9.13 Tinned copper earthing lugs / Thimbles / ferrules shall be provided for termination of earth wire to all Metallic outlet boxes / fittings / fixtures / fan regulator / MCB DB / switch board / Meter board etc., properly crimped / brazed / soldered for which nothing extra shall be paid.
- 9.14 A suitable brass / tinned copper neutral link shall be fixed at suitable place in the Metallic
- 9.15 Outlet boxes of all sizes to terminate neutral wire properly. Nothing extra shall be paid on this account.

- 9.16 To facilitate drawing of wires 16 / 18 SWG GI fish wire shall be provided along with laying of recessed conduit. Nothing extra shall be paid on this account.
- 9.17 All hardware items such as screws, thimbles, connectors, earth / neutral terminals, wires etc. which are essentially required for completing any item as per specifications will be deemed to have been included in the item even when the same have not been specifically mentioned.
- 9.18 All hardware material such as nuts / bolts / screws / washers etc. to be used in the work shall be zinc / cadmium plated iron. The galvanised boxes of modular switch / sockets etc. shall be of the same make as of switch / socket etc.
- 9.19 While laying conduit, suitable minimum number of junction boxes shall be left for pulling the wires. These shall be placed in such a way that the same do not remain noticeable.
- 9.20 A suitable brass / tinned copper neutral link shall be fixed at suitable place in the Metallic outlet boxes of all sizes to terminate neutral wire properly. Nothing extra shall be paid on this account.
- 9.21 The ceiling roses wherever required to be provided are included in the scope of work without extra payment and the same shall also be of modular type & of the same make as that of switches & sockets along with earthing provision.

10. **Testing:**

All tests prescribed in this General Specification to be done before, during and after installation shall be carried out, and the details of test results shall be submitted to the Engineer-in-charge in approved format, that shall form part of the completion certificate of this component.

11. **Commissioning on completion:**

After the work is completed, it shall be ensured that the installation is tested and commissioned.

12. **Completion plan and completion certificate along with guarantee:**

12.1 The main contractor through his associate shall submit completion plan as required vide General Specifications for Electrical works (Part-I internal) 2023 and (Part-II External) 2023 as applicable within time as stipulated in milestones.

In case, the main contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum equivalent as stipulated in clause-8B of General Condition of Contract – 2023 amended up to last date of submission of tender.

12.2 Three sets of completion plan as well as in soft copy drawn to a suitable scale indicating the following shall also be submitted:

12.2.1 General layout of the building.

12.2.2 Locations of main switchboard and distribution boards, indicating the circuit numbers controlled by them.

12.2.3 Position of all points and their controls.

12.2.4 Types of fittings, viz. fluorescent, pendants, brackets, bulk head, fans, exhaust fans etc.

12.2.5 Name of work, job number, tender reference, actual date of completion, names of Division/Sub-division and name of the main contractor and associate both who executed the work with their signature.

12.3 **Guarantee:** The complete installation will be handed over to the department after necessary testing and commissioning. The installation will be guaranteed against any defective design / workmanship. Similarly, the materials supplied by the contractor will be guaranteed against any manufacturing defect, inferior quality. The guarantee period will be for a period of 12 months from the date of handing over of installation

Correction...Nil..Insertion...Nil..Overwriting...Nil..Deletion...Nil..... AE(E)

to the department. Installation/ equipments or components thereof shall be rectified/ repaired to the satisfaction of the Engineer-in-charge. Guarantee on material/equipment given by the manufacturer whatsoever have to be submitted by the main contractor and his associate to the department.

13. The main contractor and his associate has to go through the site order book regularly and has to sign the same by authorised representative and carryout the instructions recorded therein by various officers of the department.
14. The quantities of various items may vary from the quantities given in schedule of work. The agency shall bring the various items & materials as per actual requirement at site. Excess quantities shall not be accepted & paid by the department.

LIST OF APPROVED MATERIALS

Note :

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
2. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make.
3. Whenever the specified brand of material is not available than, the Engineer-in-charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.
4. IS confirmed products to be ISI Marked.

Sr. No.	Item	Makes
1	Air Conditioning/Cooling/Heating /Misting system/controller	O-General/Mitsubishi/Toshiba/Hitachi /Daikin
2	PAR LED light	Havells/Philips/Bajaj/Wipro/Crompton
3	All other items not covered above	As per approval of the Engineer-in-charge.