CPWD–6 FOR e-TENDERING

The Assistant Engineer (E), Chandigarh Central Electrical Sub-Division-2, CPWD, Chandigarh (Ph:- 0172 – 2749099 & E-mail ID : aeeccesd2@yahoo.com) on behalf of the President of India invites online Percentage Rate bids from approved and eligible CPWD enlisted contractors of appropriate class in building & road category in single bid system for the following work:

Name of work :- Installation of Geysers in Type-IV, V and VI Quarters in Audit Pool Colony, Sector -42 C, Chandigarh.

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

In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

1.1 The work is estimated to cost **Rs.1,58,720/-** This estimate, however, is given merely as a rough guide.

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

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be **1 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. The site for the work is available.

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except 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 it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

9. Earnest Money of **Rs. 3,174/-** in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of **Executive Engineer (E), Chandigarh Central Electrical Division, CPWD, Chandigarh** payable at **Chandigarh)** shall be scanned and uploaded on the e-tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.
   A part of earnest money is acceptable in the form of bank guarantee also. In such case minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape of 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 and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.
   The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earliest. However, in case of two/ three bid system, earnest money deposited of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

   EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/ tender/ EMD made / issued from the account other than that of the bidder / tenderer submitting the bid, shall not be accepted.

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 **3.30 PM on 06/11/2026.**

10. 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 uploaded 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 tenderer quotes nil rates against each item in item rate tender and does not quote any percentage above/ below on the total amount of tender or any section/ sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period, if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and 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:

Name of Work:- Installation of Geysers in Type-IV, V and VI Quarters in Audit Pool Colony, Sector - 42 C, Chandigarh.

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

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders, shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to 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 as Divisional Accountant or as an officer in any capacity between the grades of Chief 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 gazette officer in the Central Public Works Department or in the Ministry of Housing & 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.

17. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous 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 works shall remain open for acceptance for a period of **30 (thirty) days** from the date of opening of bid in case of **single bid system** and **75 (seventy five)** days from the date of opening of technical bids in case bids are invited **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 the 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 Government shall without prejudice to any right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

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

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

(a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

20. 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 Assistant Engineer (Phone No. 0172-2749099, e-mail id: aeeccesd2@yahoo.com) or ERP help line 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.

21. Price Preference to SC/ ST individual contractor for item rate/ percentage rate tender:

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

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

(ii) For work(s) beyond an estimated cost of Rs. 2.80 lakh and upto and equal to estimated cost of Rs. 6.40 lakh, tenders may be invited only from CPWD enlisted contractors. The price preference upto 5% **(with reference to the lowest valid price bid)** may be allowed in favor of **individual** SC/ ST contractor. However, earnest money at a reduced rate of ½% may be accepted in such cases. In all such cases, the above concession shall be allowed only after proper verification of the individual contractor's claim of belonging to SC or ST community, as the case may be.

(Er. Amit Pawar)
Assistant Engineer (Elect.),
Chd. Cent. Elect. Sub-Divn.-II,
Central P.W.D., Chandigarh.

ANNEXURE-A

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

The Assistant Engineer (Electrical), Chandigarh Central Electrical Sub-Division-2, CPWD, Chandigarh (Tel No. 0172-2749099 & E-mail ID: aeeccesd2@yahoo.com) on behalf of the President of India invites online percentage rate bids through E-Tendering from CPWD enlisted contractors of appropriate class in building & road category in single bid system for the following work:

NIT No.	Name of work & Location	Estimated cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, copy of receipt of deposition of original EMD, and other documents as specified in NIT	Time & date of opening of Bid
74/2026-27/CCED/Chandigarh/Div./ SD-	**Installation of Geysers in Type-IV, V and VI Quarters in Audit Pool Colony, Sector -42 C, Chandigarh.**	Rs.1,58,720/-	Rs.3,174/-	1 Month	Upto 3.00 PM on 06/11/2026	Upto 3.30 PM on 06/11/2026

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he consider 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 www.etender.cpwd.gov.in or **www.cpwd.gov.in free of cost.**
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.

10. List of documents to be scanned and uploaded within the period of bid submission:

(i)	Insurance Surety Bonds, Demand Draft/ Account Payee Banker's Cheque/ Fixed Deposit Receipt, Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks against EMD.
(ii)	Copy of receipt for deposition of original EMD to division office of any Executive Engineer, [including NIT issuing EE] CPWD.
(iii)	GST Registration Certificate, if already obtained by the bidder. If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking alongwith bid documents. "If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/ or for any action taken by CPWD or GST department in this regard.
(iv)	Enlistment order of the CPWD contractors in appropriate class in composite category.
(v)	Electrical contractor licence OR undertaking that they will either obtain valid electrical licence at the time of execution of electrical work or associate contractor having valid electrical licence of appropriate class.
(vi)	Copy of ERP training certificate.
(vii)	Any other document as specified in the NIT.

(Er. Amit Pawar)
Assistant Engineer (Elect.),
Chd Cent. Elect. Sub-Divn.-II,
Central P.W.D., Chandigarh.

CPWD FORM NO. 7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: Chandigarh **DIVISION: EE(E)Chd.**
BRANCH: E&M **SUB-DIVISION: CCESD-2**

COMPOSITE PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Tender for the work of: Installation of Geysers in Type-IV, V and VI Quarters in Audit Pool Colony, Sector - 42 C, Chandigarh.

(i) To be uploaded by **As per Annexure 'A'** to the **Assistant Engineer (E), CCESD-II, CPWD, Chandigarh.**
(ii) To be opened in presence of tenderers who may be present at **As per Annexure 'A'** in the office of the Assistant Engineer (E), CCESD-II, CPWD, Chandigarh.

T E N D E R

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 as per 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 date of its opening in case of single bid system/ ~~Seventy Five **(75)** days from the date of opening of technical bid in case tenders are invited on 2/3 bid system for specialised work~~ and not to make any modifications 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 documents.

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 to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms & 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 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 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 tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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

Dated
Witness:
Address:
Occupation:

Signature of Contractor
Postal Address

A C C E P T A N C E

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs … … … … … … ……. (Rupees ……..... ..)
The letters referred to below shall form part of this contract Agreement:-
i) … … … … … … … … … .
ii)
iii)

For & on behalf of the President of India.
Signature ……..……..
Dated…… Designation ……..

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities-	As per financial Bid.

SCHEDULE 'D'

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

SCHEDULE 'E'

Reference to General Conditions of	General Conditions of contract 2023 (Maintenance Works) for CPWD works Contract amended up to last date of submission of bids.
1.1 Name of Work:	Installation of Geysers in Type-IV, V and VI Quarters in Audit Pool Colony, Sector -42 C, Chandigarh.
1.2 Estimated Cost of work	**: Rs. 1,58,720/-**
1.3 Earnest Money	:**Rs. 3,174/-** (to be returned after receiving performance guarantee)
1.4 Performance Guarantee	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.
1.5 Security Deposit	2.50% of tendered value

SCHEDULE 'F':

General Rules & Directions:-

1.Officer Inviting Tender	Assistant Engineer(E), CCESD-2, CPWD, Chandigarh

Definitions:-

2(vi) Engineer-In-Charge	Assistant Engineer (E), CCESD-2, CPWD, Chandigarh or Successor thereof
2(viii) Accepting Authority	Assistant Engineer (E), CCESD-2, CPWD, Chandigarh or his successor thereof.
2(x) Percentage on cost of materials and labour to cover all overheads and profits	15%
2(x)(b) Standard Schedule of Rates	DSR 2025, Prevailing labour rates & market rates
2(xi) Department	Central Public Works Department
2(ii) Standard CPWD Contract Form	GCC 2023 (Maintenance Works) and CPWD Form 7/8 as amended/ modified up to the last date of submission of bids

Clause-1 :

(i) Time allowed for submission of performance guarantee, programme chart (Time and Progress) and applicable labour licences, registration with EPFO, ESIC and BOCW Welfare Board, Provident Fund Nos. or proof of applying thereof from the date of issue of letter of acceptance.	7 days
(ii) Maximum allowable extension with late fee @0.1% per day of the performance guarantee amount beyond the period provided in (i) above	0**7 days**

Clause-2 :

Authority for fixing compensation under Clause 2	SE(Chd.), CPWD, Chandigarh or his successor thereof.

Clause-5:

Number of days from the date of issue of letter of acceptance for reckoning date of start	14 days

Mile Stone

Sl No.	DESCRIPTION OF MILESTONE (PHYSICAL)	TIME ALLOWED IN DAYS (FROM THE DATE OF START)	AMOUNT TO BE WITH-HELD IN CASE OF NON-ACHIEVEMENT OF MILESTONE.
N/A			

Time allowed for execution of work — 1 Month

Authority to decide

i.	Authority to convey the decision of shifting of milestone and extension of time	Assistant Engineer (E), CCESD-II, CPWD, Chandigarh or his successor thereof.
ii.	Authority to decide rescheduling of Milestone and extension of time.	SE (Chd.), CPWD, Chandigarh or his successor thereof.
iii	Shifting of date of start in case of delay in handing over of site.	SE (Chd.), CPWD, Chandigarh or his successor thereof.

Schedule of handing over of site:-

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	100	From date of start.
Part B	Portions with encumbrances	NIL	NIL
Part C	Portions dependent on work of other agencies	NIL	NIL

Clause -5 :-

Applicable clause 5 / Clause 5A :	**Clause 5**

Clause-6:- Computerised Measurement Book (CMB) / Electronic Measurement Book (EMB):

Mode of Measurement Book: CMB/EMB	**EMB**

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 — **As decided by Engineer-in-charge**

Clause-7A:-

Whether clause 7A applicable	Yes, **Applicable**

Clause-10A:-

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

Clause-10-B (ii).

Whether clause 10-B (ii) shall be applicable	**Not Applicable**

Clause-10C:-

Component of labour expressed as percent of Value of work — **Not Applicable**

Clause-11:- Specifications to be followed for execution of work

General specifications for electrical works, CPWD General specifications for electrical works Part-I (Internal) & CPWD General specifications for electrical works Part-II (External) amended upto date & other terms & condition enclosed.

Clause-12:

As per GCC 2023 for Maintenance work amended / modified & corrected up to last date of submission of bids.

Clause-16:-Competent Authority for reduced rates.

SE (Chd.), CPWD, Chandigarh or his successor thereof.

Clause 18:-List of mandatory machinery, tools & Plants to be deployed by the contractor at site

As required for timely execution of work

Clause-25: OM No. DG/CON/317 dated 28.06.2021 is applicable

(i) Conciliator	:	SDG (Chandigarh)
(ii) Arbitrator Appointing Authority	:	SE-Chandigarh or his successor thereof
(iii) Place of Arbitration	:	CHANDIGARH / ONLINE/ OFFLINE

Clause-32 Requirement of Technical Representative(s) and Recovery Rates

Sl. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures	Words.
----NIL----							

~~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 holder should not exceed 50% of requirement of degree engineer~~

Receipt of deposition of original EMD

(Receipt No. _____ date _____)

1.	Name of work	-	Installation of Geysers in Type-IV, V and VI Quarters in Audit Pool Colony, Sector -42 C, Chandigarh.
2.	NIT No.	-	74/2026-27/CCED/Chandigarh/Div./SD-II
3.	Estimated cost	-	Rs. 1,58,720**/-**
4.	Amount of Earnest Money Deposit	-	Rs.3,174**/-**
5.	Last date of submission of bid	-	06/11/2026 upto 3.00 PM

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)/ AE/ AAO) along with office stamp

DETAILED ESTIMATE

Name of work: - Installation of Geysers in Type-IV, V and VI Quarters in Audit Pool Colony, Sector -42 C, Chandigarh.

S. No.	Description of Item	Qty.	Rate	Unit	Amount
1	Supplying, Installation, Testing and Commissioning of 5 star rating compact & water storage type Geyser having capacity of 25 Ltrs., Glass lined, anti corrosion coating, Advance PUF insulation, 2000 watt Heating Element, enabling low power consumption, Plug top with inlet & outlet connection pipes, shock proof, overheat proof suitable for working on 230V 50 Hz single phase AC supply i/c connection etc as reqd. with 7 years Tank Warranty and 2 Years Warranty for Element complete etc as reqd.	16 Nos.	9920.00	Each	158720.00
	Total Rs.				**158720.00**

(Er. Amit Pawar)
Assistant Engineer (Elect.),
Chd. Central Elect. Sub-Divn. II,
Central P.W.D., Chandigarh.

TERMS AND CONDITIONS FOR INTERNAL AND EXTERNAL ELECTRICAL WORKS

General Commercial & Technical Conditions:

1.0 All the works shall be carried out as per CPWD General specification for Electrical Works, Part-I (Internal)-2023; Part-II (External)-2023, Part-IV (Sub-Station), amended up to date and should also comply with relevant provisions of the Indian Electricity Rules and Acts as applicable, amended up to date.

2.0 The contractor is advised to visit the site of work to have an idea of the execution of the work; failure to do so shall not absolve their responsibility to do the work as specified in agreement.

3.0 Rates:

3.1 The work shall be treated as on works contract basis and the rates tendered shall be for complete items of work inclusive of all taxes including GST, duties, and levies etc. and all charges for items contingent to the work, such as packing, forwarding, insurance, freight and delivery at site for the materials to be supplied by the contractor, watch and ward of all materials for the work at site etc.

3.2 Prices quoted shall be firm.

4.0 Mobilization Advance:

No mobilization advance shall be paid for the work, unless otherwise stipulated in tender papers for any individual works/ composite work.

5.0 Completeness of Tender:

All sundry fittings, assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections as required, and all other sundry items which are useful and necessary for proper assembly and efficient working of the various components of the work shall be deemed to have been included in the tender, whether such items are specifically mentioned in the tender documents or not.

6.0 Works to be done by the contractor:

Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost: -

i) Cutting and making good all damages caused during installation and restoring the same to their original finish.

ii) Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.

iii) Painting at site of all exposed metal surfaces of the installation other than pre-painted items like fittings, fans, switchgear/distribution gear items, cubicle switchboard etc. Damages to finished surfaces of these items while handling and erection, shall however be rectified to the satisfaction of the Engineer-in-Charge.

iv) Testing and commissioning of completed installation.

v) Storage space for all equipments, components and materials for the work

7.0 Storage and Custody of Materials:

The contractor has to make his own arrangement for the storage of the material at site & necessary watch and ward of the electrical installation during the execution of work till the same is handed over to the department. No extra payment will be made on this account. The storage space shall however be arranged by the department at site, if available.

The main contractor shall arrange for proper storage of the electrical fans and fittings at site and that double lock system shall be arranged for the fans and fittings after receipt at site until the time they are taken for installation. The contractor shall however be responsible for proper storage and safe custody of the same till their installation and handing over to the department.

8.0 Electric Power Supply and Water Supply:

Power and water supply will be arranged by the contractor at the site for installation and testing purpose. Contractor will take due care to ensure safety of electrical installation during execution of work.

9.0 Tools for handling and Erecting:

All tools and tackles required for handling of equipments and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor.

10.0 Payment Terms:

Payment shall be made as per the relevant clauses of form PWD 7/8 forming part of the tender documents.

11.0 Co-ordination with other agencies:

The contractor shall co-ordinate with all other agencies involved in the building work so that the building work is not hampered due to delay in his work. Recessed conduit and other works, which directly affect the progress of building work, should be given priority.

11.1 Care of buildings:

Care shall be taken by the contractor to avoid damage to the building during execution of his part of the work. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove, at his costs, all unwanted and waste materials arising out of his work, from the site.

12.0 Structural Alterations to Buildings:

i) No structural member in the building shall be damaged/altered, without prior approval from the competent authority through the Engineer-in-charge.

ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these required modifications or fresh provisions are required to be made, such contingent works shall be carried out by the contract at his cost.

iii) All such openings in floors provided by the department shall be closed by the contractor after installing the cables/conduits/rising mains etc. as the case may be, by any suitable means as approved by the Engineer-in-charge without any extra payment.

iv) All chases required in connection with the electrical works shall be provided and filled by the contractor at his own cost to the original architectural finish of the buildings.

13.0 Addition to an installation:

Any addition, temporary or permanent, to the existing electrical installation shall not be made without a properly worked out scheme/design by a qualified Electrical Engineer to ensure that such addition does not lead to overloading, safety violation of the existing system.

14.0 Work in Occupied Buildings: Deleted

15.0 Drawings:

i) After award of the work, the firm will be required to submit the drawings for the proposed work including layout plan, conduit routes etc. Work will be carried out as per the approved drawings.

ii) The work shall be carried out in accordance with the drawings and the tender documents and also in accordance with modification thereto from time to time as approved by the Engineer-in-charge.

iii) All wiring diagrams shall be deemed to be 'Drawings' within the meaning of the term as used in Clause 11 of the conditions of contract (PWD 7). They shall indicate the main switch board, the distribution boards (with circuit numbers controlled by them), the runs of various mains and sub mains and the position of all points with their controls.

iv) All circuits shall be indicated and numbered in the wiring diagram and the points shall be given the same number as the circuit to which they are electrically connected.

16.0 Conformity to IE act, IE Rules, and standards:

16.1 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 date (Date of call of tender unless specified otherwise). List of rules of particular importance to electrical installations under these General Specifications is given in Appendix C for reference.

17.0 General requirements of components:

17.1 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.

18.0 Inspection of materials and equipments:

18.1 Materials and equipments to be used in the work shall be inspected by the departmental officers. Such inspection will be of following categories:

i) Inspection of materials / equipments may be witnessed at the Manufacturer's premises in accordance with relevant BIS /Agreement Inspection Procedure.

ii) To receive materials at site with Manufacturer's Test Certificate(s)

iii) To inspect materials at the authorized dealer's go downs to ensure delivery of genuine materials at site.

iv) To receive materials after physical inspection at site.

18.2 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:

i) Material will be ordered & delivered at site only with the prior approval of the department to ensure timely delivery.

ii) 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.

iii) 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.

iv) Inspection at factory or at go down of the manufacturer, as required, shall be arranged by the firm for a mutually agreed date.

v) Delivery of material shall be taken up only with the consent of department, after clearance of the material.

vi) Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.

18.3 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.

19.0 Ratings of components:

19.1 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.

19.2 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.

20.0 Conformity to standards:

20.1 All components shall conform to relevant Indian Standard Specifications wherever existing. Materials with ISI certification mark shall be preferred.

20.2 Relevant Indian Standards including amendments or revisions thereof up to the date of tender acceptance shall be applicable in the respective contracts for respective items, firm to ensure its compliance.

21.0 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.

22.0 Workmanship:

22.1 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.

22.2 Proper supervision/skilled workmen: The contractor shall be a licensed electrical contractor of appropriate class suitable for execution of the electrical work. He shall engage suitably skilled/licensed workmen of various categories for execution of work supervised by supervisors / Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-in-charge and other senior officers of the Department during the progress of work.

22.3 Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.

22.4 Fabrication in reputed workshop: Switch boards and LT panels shall be fabricated in a factory/workshop having modern facilities like quality fabrication, seven tank process, powder/epoxy paint plant, proper testing facilities, manned by qualified technical personnel. These shall be as per make / item approved.

23.0 Testing:

All testes prescribed in this General Specification, to be done before, during and after installation, shall be carried out, and the test results shall be submitted to the Engineer-in-charge in prescribed Performa, forming part of the Completion Certificate.

24.0 Commissioning on completion:

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

25.0 Completion plan and completion certificate:

25.1 For all works completion certificate after completion of work as given in Appendix –E of CPWD Specification shall be submitted to the Engineer-in-charge.

25.2 Completion plan drawing indicating the following, along with three copies of the same shall also be submitted.

i) General layout of the building.
ii) Locations of main switchboard and distribution boards, indicating the circuit numbers controlled by them.
iii) Position of all points and their controls.
iv) Types of fittings, viz. fluorescent, pendants, brackets, bulk head, fans, exhaust fans etc.
v) Name of work, job number, tender reference, actual date of completion, names of Division/ Sub-division and name of the firm who executed the work with their signature.

26. **INTERPRETING SPECIFICATIONS**

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

(a) Schedule of quantities
(b) Technical specifications
(c) Drawing (If any)
(d) General Specifications
(e) Relevant BIS or other international code in case BIS code is not available.

27. Dismantled material shall be returned to the department and deposited to JE(E) store (if any).

TECHNICAL SPECIFICATIONS FOR EI WORK

1.0 **GENERAL**

SCOPE OF WORK:

The specifications given below pertain to the internal electrical installation work and CPWD Specifications are to be followed in Audit Pool Colony, Sector 42-C, Chandigarh.

POINT WIRING:

2.1 The wires used for the point wiring and power wiring shall be of 650 / 1100 Volts grade FRLS PVC insulated multi stranded copper conductor single core cables.

2.2 All mounting boxes for modular plate type accessories shall be of metallic construction and of the same make as that of the modular plate type switches and accessories.

3.1 **Copper and Aluminium Cables**

3.1.1. This specification covers the supply, installation, testing and commissioning of 1100 V grade cables.

3.1.2 The design, manufacture and performance of the cables should conform to the relevant IS.

4.0 **MOULDED CASE CIRCUIT BREAKERS**

4.1 The MCCBs shall comprise single units of triple pole/four pole construction as specified, shall be rated for 415 V AC.

4.2 All live parts shall be totally enclosed and shrouded with a heat resistant moulded insulating material housing. Operating mechanism shall be quick make, quick break and trip free type.

4.3 The MCCB shall be provided with the following features in microprocessor release:

a) Inverse-time-current tripping characteristics under sustained overload.

b) Instantaneous tripping on short circuit

4.4 MCCBs shall be of current limiting type.

4.5 The rated service breaking capacity (Ics) shall not be less than the ultimate short circuit breaking capacity (Ics = I cu)

4.6 Variable Thermal setting shall be provided in all MCCB s with thermal magnetic release.

4.7 All circuit breaker upto 250 amps rating shall be provided with thermal magnetic release and circuit breakers above 250 amps rating shall be provided with Microprocessor based release unless otherwise specified.

4.8 All MCCBs shall be provided with rotary handles and links for which nothing extra shall be paid.

4.9 **Additional Conditions:**

5.0 Additional Conditions:

5.1 **GUARANTEE/WARRANTEE**

A) For LED fitting

i) All the LED Bulbs / LED fittings shall be guaranteed for a period of 5 years.

ii) 50% of the performance guarantee shall be refunded to the contractor soon after the completion of the work and recording of the completion certificate.

iii) 50% of the performance guarantee shall be retained as Security deposit.

iv) 50% of the Performance Guarantee retained as Security deposit plus 2.5% Security Deposit already deducted from running bills (total 2.5+2.5 = 5%) shall be refunded year wise proportionately.

B) For Other E&M fixtures

Warrantee for the other electrical fixtures shall be one (1) year. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith rectified/ repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & building on the contractor.

5.2 The contractor shall submit the relevant test certificates at the time of supply of equipment/Material.

(Er. Amit Pawar)
Assistant Engineer (Elect.),
Chd. Central Elect. Sub-Divn. II,
Central P.W.D., Chandigarh.

LIST OF PREFERRED MAKES

If any make stated below does not comply with the technical specifications given in the tender then such a make cannot be supplied.

S. No.	EQUIPMENT	PREFERRED MAKES
1	Geyser	AO Smith/ Havells/ Racold/ Jaquar/ Goldmedal
2	Any other item	Approved by Engineer-in-Charge

(Er. Amit Pawar)
Assistant Engineer (Elect.)
Chd. Central Elect. Sub-Divin. II,
Central P.W.D., Chandigarh.