

NOTICE INVITING e-TENDER

Name of Work:	Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A, & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)
NIT No. -	PGI/Engg/Const./2026/274
Time Limit: -	1 Month


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Certified that this NIT contains pages 1-50 (One to Fifty Only)

A.E. (P)

**H.E. (Construction)
PGI, Chandigarh.**

SECTION-I	PRESS NOTICE	
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**POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH, CHANDIGARH
DEPARTMENT OF HOSPITAL ENGINEERING & PLANNING
CONSTRUCTION DIVISION**

NOTICE INVITING e-TENDER

The Hospital Engineer (Const.), PGIMER Chandigarh invites on behalf of the Director PGIMER Chandigarh **online Percentage rate bids** from the enlisted contractors of appropriate class in CPWD / Department of Posts / **BSNL** / Railways / M.E.S. / Chandigarh Administration / CHB / MC Chandigarh / State PWD's / HUDA / PUDA / State Electricity Boards & Corporations dealing in **Civil works OR in Composite works** on two bid system (Eligibility Bid & Financial Bid) for the following work:-

NIT No.: PGI/Engg./Const./2026/274, **Name of Work:** Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works), **Estimated Cost: Rs. 10.91 Lakh** (Civil: Rs.9.46 Lakh & Electrical: Rs.1.45 Lakh), Earnest Money Rs.21,820/-, **Period of Completion:** 1 Month, **Last date and time of submission of bid:** 11.06.2026 upto 3.00pm, **Last date & time for submission of Original EMD or EMD exemption certificate for MSE/MSME:** 12.06.2026 upto 3.00pm, **Date and time of opening of Eligibility bid:** 12.06.2026 at 4.00pm.

The Original EMD or EMD exemption certificate for MSE/MSME as scanned & uploaded shall be deposited physically by all the intending bidders in the office of H.E. (Construction) as per above schedule failing which the bid shall be treated as invalid.

The MSME firms registered in NSIC under PP policy are exempted from payment of EMD for goods and services only.

The tender forms and other details can be obtained from the website: <https://eprocure.gov.in/eprocure/app> and official website of the PGIMER www.pgimer.edu.in. Press notice is also available on www.eprocure.gov.in. The Contractors are requested to get their firm registered on the website <https://eprocure.gov.in/eprocure/app> for participating in e-tendering process (Helpdesk No. for registration-9988447883)

For any technical information Contact (0172-2755861).


A.E. (P)

**Hospital Engineer (Construction)
PGIMER, Chandigarh**

SECTION-II	CHECK LIST	
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CHECK LIST FOR CONTRACTORS FOR SUBMISSION OF TENDERS ONLINE:

1. THE FIRM MUST UPLOAD THE NECESSARY DOCUMENTS AS MENTIONED IN LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION AT PAGE 13 OF BID DOCUMENTS.
2. IF ANY DISCREPANCY IS NOTICED BETWEEN UPLOADED EMD AT THE TIME OF SUBMISSION OF BID AND ORIGINAL EMD OR EMD EXEMPTION CERTIFICATE SUBMITTED PHYSICALLY BY THE BIDDERS IN THE OFFICE OF THE BID OPENING AUTHORITY, THE BID SUBMITTED SHALL BECOME INVALID.
3. TENDER TO BE WITNESSED AT SPECIFIED PAGE OF TENDERED DOCUMENTS AT THE TIME OF DRAWING AGREEMENT WITH THE SUCCESSFUL BIDDER.
4. THE TENDER / TENDERS CONTAINING CONDITIONS CONTRARY TO THOSE SPECIFIED IN THIS DOCUMENT SHALL BE SUMMARILY REJECTED.
5. THE INTENDING BIDDER SHALL QUOTE HIS PERCENTAGE RATE IN FIGURE ONLY. THE RATES IN WORDS, AMOUNT AND THE TOTAL IS GENERATED AUTOMATICALLY. THEREFORE, THE RATE QUOTED BY THE BIDDER IN FIGURES IS TO BE TAKEN AS CORRECT.
6. THE CONTRACTOR(S) SHALL QUOTE THE RATES KEEPING IN MIND, CPWD GENERAL CONDITIONS OF CONTRACT 2023 FOR MAINTENANCE WORKS, SPECIAL CONDITIONS OF CONTRACT ETC.
7. IT MAY BE NOTED THAT IN THE PRESENT CONTRACT CLAUSE 10B (ii) & 10CC ARE NOT APPLICABLE.
8. ONCE THE BID UPLOADED BY THE BIDDER IS WITHDRAWN, HE WILL NOT BE ALLOWED TO RESUBMIT HIS BID, HOWEVER, HE CAN EDIT HIS BID ANY NUMBER OF TIMES BUT BEFORE LAST DATE & TIME OF SUBMISSION OF BID.

SECTION-III	<u>Form- 6 FOR e TENDERING</u>	
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1. Percentage rate bids are invited on behalf of the Director, PGIMER, Chandigarh from the enlisted contractors of appropriate class in CPWD / Department of Posts / BSNL / Railways / MES. / Chandigarh Administration / CHB / MC Chandigarh / State PWD's / HUDA / PUDA / State Electricity Boards & Corporations dealing in **civil works OR in Composite works** for the work of **“Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)”**
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. 10.91 Lakh (Civil: Rs.9.46 Lakh & Electrical: Rs.1.45 Lakh)**. This estimate, however, is given merely as a rough guide.
- 1.2 Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted
 - 1.2.1 Intending bidder 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 in last 7 years ending last day of month to one in which tenders are invited:-
Three similar works each costing not less than **Rs.4.40 Lakh** OR Two similar works each costing not less than **Rs.6.50 Lakh** OR one similar work costing not less than **Rs.8.70 Lakh** (Similar work shall mean **“Civil works only”**)
 - 1.2.2 Should have Valid Certificate of Registration for GSTIN.
 - 1.2.3 **To become eligible, the bidders shall have to furnish an affidavit on non judicial stamp paper duly attested by a notary public or District magistrate as under:-**
 - (a) 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 PGIMER 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.
 - (b) I/We have not been blacklisted / debarred in any Govt. Deptts. / Boards / Corporations / Autonomous Bodies in any State / Central Government Departments etc. as on the date of submission of the bid in the present tender.
 - (c) That the deponent hereby undertakes that he / she / Directors(s) / partner (s) of the proprietor / firm/ company/ agency have never been convicted of any criminal offence.
 - (d) That I / We also undertake that the particulars given by me are true and correct to the best of any knowledge and belief and nothing has been concealed thereof. I am aware that in case of any discrepancy / false statement if found, it will lead to rejection of my bid / tender and the PGIMER, will debar / blacklist the proprietorship / firm / company / agency. **(Scanned copy to be uploaded at the time of submission of bid) Affidavit prior to the date of publication of E-tender notice shall not be considered.**
 - 1.2.4 It is presumed that all the bidders who have submitted the bid have gone through the entire bid documents including integrity pact and that all the terms & conditions are acceptable to them.

1.2.5 Apart from the above, Eligible contractors will also associate with electrical contractor within 15 days after award of work for execution of electrical work on the basis of eligibility criteria mentioned below:-

a) Electrical work:-

- i) The agency must have proof of having valid enlistment of appropriate class in CPWD / Department of Posts / BSNL / Railways / MES. / Chandigarh Administration / CHB / MC Chandigarh / State PWD's / HUDA / PUDA / State Electricity Boards & Corporations dealing for Electrical works
- ii) The agency must have proof of valid electrical license issued from U.T. Electricity Department / any state electricity boards.
- iii) The agency must have should have Valid Certificate of Registration for GSTIN.
- iv) The agency must have 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:-

Three similar works each costing not less than **Rs.0.60 Lakh** OR two similar works each costing not less than **Rs.0.90 Lakh** OR one similar work costing not less than **Rs.1.20 Lakh**. (**Similar work shall mean Internal Electrical Installation Work only**) during the last Seven years ending last day of month previous to one in which tenders are invited.

The similar works executed by the main Civil contractor himself will also be considered and in such case there is no need to associate electrical contractor for execution of electrical works. The agency must submit definite proof for the same from the competent authority. However, documents specified at S.No. 2 (a) (i to iv) are mandatory for main contractor also to become eligible for execution of electrical works.

The completion certificate should be certified by an officer not below the rank of Executive Engineer / Project manager/ General Manager of a firm/owner for whom work is executed (if private works are shown in support of eligibility, certified copy of the tax deducted at source certificate (TDS) shall be submitted alongwith the experience certificate and the TDS amount shall tally with the actual amount of work done

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

2. Agreement shall be drawn with the successful bidders on CPWD General Conditions of Contract 2023 for Maintenance works which is available with the concerned Hospital Engineer and official website of the Institute <http://pgimer.edu.in>. and the bidders shall quote his rates as per various terms and conditions of the said form subject to the exclusions / modifications attached at page 25-27 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. (i) The site for the work is available.
(ii)The architectural drawings, if required, shall be issued as per site requirement.
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://eprocure.gov.in/eprocure/app> and official website of the PGIMER www.pgimer.edu.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 in the form of Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of *Postgraduate Institute of Medical Education And Research, Chandigarh*) shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

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 Lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The original EMD or EMD exemption certificate for MSE/MSME duly registered in NSIC under PP policy as scanned & uploaded shall Be deposited physically by all the intending bidders in the office of H.E.(Construction) upto 3.00PM on 12.06.2026 failing which the bid shall be treated as invalid.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder 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 have registered himself with M/s NIC Limited, Earnest Money Deposit and other documents scanned and uploaded are found in order.

The bid the MSME firms registered in NSIC under PP policy are exempted from payment of EMD for good services only submitted shall be opened on at 4.00PM on 12.06.2026.

10. The bid submitted shall become invalid if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload all the documents as stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - (iv) The intending bidder does not deposit original EMD or EMD exemption certificate for MSE/MSME duly registered in NSIC under PP policy physically as scanned & uploaded upto 3.00PM on 12.06.2026.
 - (v) If tendered quotes 'Nil' Charges against each item in item rate tender or does not quote any percentage above/ below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. a) The contractor whose bid is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered value or estimated cost put to the tender (ECPT) (whichever is higher) within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee

within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

b) Where the tendered amount is less than eighty percent (80%) of the Estimate 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.

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, registrations with GST, EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub contractor, 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:

Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)

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

13. The competent authority on behalf of the Director PGIMER does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of the Director PGIMER 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 Institute's Engineering Department (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 Superintending Hospital 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 Institute's Engineering Department. 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 or other officers employed in Engineering or Administrative duties in Engineering Department of the Institute is allowed to work as a contractor for a period of one year after his retirement from Institute's service without the previous permission of the competent authority in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the competent authority as aforesaid before submission of the tender or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of 75 days from the receipt of technical cum eligibility bids. If any bidders withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.
19. This Notice inviting bid shall form a part of the contract document. The successful bidder/contractor, on an 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 etc., if any, forming the tender as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard Form 7/8 or other Standard Form as applicable.

For Composite Bids

- 20.1.1 The Hospital Engineer in charge of the major component will call bids for the composite work. The cost of bid document Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.
- 20.1.2 The bid document will include following three components:


Part A: - Form 6, Form 7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023, exclusions / modifications attached at Page No. 25-27.

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

Part C: - Schedule A to F for minor components of the work (Hospital Engineer in charge of the major component shall also be competent authority under Clause 2 and Clause 5 as mentioned in Schedule A to F for major component), general / specific conditions, specifications and schedule of quantities applicable to minor components of the work.
- 20.1.3 The bidders must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually *as per eligibility criteria specified at clause 1.2.5 (a) page 4 of DNIT.*
- 20.1.4 The eligible bidders shall quote percentage rates for all items of major component as well as for all items of minor components of work.
- 20.1.5 After acceptance of the bid by competent authority, the Hospital Engineer in charge of major component of the work shall issue letter of award on behalf of the Director, PGIMER. After the work is awarded, the main contractor will have to enter into one agreement with Hospital Engineer in charge of major component and has also to sign two or more copies of agreement depending upon number of Hospital Engineer in charge of minor components. One such signed set of agreement shall be handed over to Hospital Engineer in charge of minor component. Hospital Engineer of major component will operate part A and part B of the

agreement. Hospital Engineer in charge of minor component(s) shall operate part C alongwith part A of the agreement.

- 20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
- 20.1.7 Security Deposit (PBG) will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 20.1.8 The main contractor has to associate agency(s) for minor component conforming to eligibility criteria as defined in the tender documents and has to submit detail of such agency(s) to Engineer-in-charge of minor component within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of minor component.
- 20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- 20.1.10 The main contractor has to enter into agreement with the contractor(s) associated by him for execution of minor component. Copy of such agreement shall be submitted to Hospital Engineer in charge of minor component as well as to Hospital Engineer in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- 20.1.11 Running payment for the major component shall be made by Hospital Engineer of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-Incharge of the discipline of minor component directly to the main contractor.
- 20.1.12 (a) The composite work shall be treated as complete when all the components of the work are completed. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after the completion certificate of all other components.
(b) Final bill of whole work shall be finalized and paid by the Hospital Engineer of major component. Engineer in charge of minor component will prepare and pass the final bill for their component of work and pass on the same to the Hospital Engineer of major component for including in the final bill for composite contract.
20. All the payments to the contractor shall be deposited in their bank account through RTGS and the contractor shall submit the detail of his bank account & IFSC code after award of work.
21. In case, date for opening of Eligibility /Technical/ Financial bid is declared/happens to be public holiday, the Eligibility / Technical/ Financial bid will be opened on the next working day.
22. The contractor shall comply to the "Solid Waste Management Byelaws 2018" & "Construction & Demolition Rules 2016". Any penalty imposed by the competent authority on account of non-compliance of these provisions, if not deposited in time by the contractor, would be recovered from the payment due to the contractor,
23. The scope of work taken in this contract can be Increased / Decreased as per requirement of the PGIMER.
24. The contractor must follow the statutory requirements of prevalent environment norms and shall use the fly ash in the adequate proportion as per relevant environment norms.

SECTION-IV	INFORMATION AND INSTRUCTIONS FOR BIDDERS	
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INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT

The Hospital Engineer (Const.), PGIMER Chandigarh on behalf of the Director PGIMER Chandigarh invites **online Percentage rate bids** from the enlisted contractors of appropriate class in CPWD / Department of Posts / BSNL / Railways / M.E.S. / Chandigarh Administration / CHB / MC Chandigarh / State PWD's / HUDA / PUDA / State Electricity Boards & Corporations dealing in **Civil Works OR in Composite Works** on two bid system for the following work:-

1.	NIT No.	PGI/Engg./Const./2026/274
2.	Name of work & Location	Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)
3.	Estimated cost put to bid	Rs. 10.91 Lakh (Civil: Rs.9.46 Lakh & Electrical: Rs.1.45 Lakh)
4.	Earnest Money	Rs.21,820/-
5.	Period of Completion	1 Month
6.	Last date & time of submission of bid and other documents as specified in the press notice	11.06.2026 upto 3.00pm
7.	Last date & time for submission of Original EMD or EMD exemption certificate for MSE/MSME duly registered in NSIC under PP policy.	12.06.2026 upto 3.00pm
8.	Date & Time of opening of Eligibility bid	12.06.2026 at 4.00pm

1. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
 - a) Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of month to one in which tenders are invited:-
Three similar works each costing not less than **Rs.4.40 Lakh** OR Two similar works each costing not less than **Rs.6.50 Lakh** OR one similar work costing not less than **Rs.8.70 Lakh. (Similar work shall mean "Civil works only).**
- 1.1 Apart from the above, Eligible contractors will also associate with electrical contractor within 15 days after award of work for execution of electrical work on the basis of eligibility criteria mentioned below:-
 - a) **Electrical work:-**
 - i) The agency must have proof of having valid enlistment of appropriate class in CPWD / Department of Posts / BSNL / Railways / MES. / Chandigarh Administration / CHB / MC Chandigarh / State PWD's / HUDA / PUDA / State Electricity Boards & Corporations dealing for Electrical works
 - ii) The agency must have proof of valid electrical license issued from U.T. Electricity Department / any state electricity boards.
 - iii) The agency must have should have Valid Certificate of Registration for GSTIN.
 - iv) The agency must have 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:-

Three similar works each costing not less than **Rs.0.60 Lakh** OR two similar works each costing not less than **Rs.0.90 Lakh** OR one similar work costing not less than **Rs.1.20 Lakh. (Similar work shall mean Internal Electrical Installation Work only)** during the last Seven years ending last day of month previous to one in which tenders are invited.

The similar works executed by the main Civil contractor himself will also be considered and in such case there is no need to associate electrical contractor for execution of electrical works. The agency must submit definite proof for the same from the competent authority. However, documents specified at S.No. 2 (a) (i to iv) are mandatory for main contractor also to become eligible for execution of electrical works.

The completion certificate should be certified by an officer not below the rank of Executive Engineer / Project manager/ General Manager of a firm/owner for whom work is executed (if private works are shown in support of eligibility, certified copy of the tax deducted at source certificate (TDS) shall be submitted alongwith the experience certificate and the TDS amount shall tally with the actual amount of work done.

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

2. The intending bidder must read the terms and conditions of Form-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form of bid document.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from the website: <https://eprocure.gov.in/eprocure/app> and official website of the PGIMER www.pgimer.edu.in. free of cost.
5. But the bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of **Postgraduate Institute of Medical Education And Research, Chandigarh** or EMD exemption certificate for MSE/MSME and other documents as specified.
6. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
7. The intending bidder must have valid class-III digital signature to submit the bid.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of **JPG** format and **PDF** format.
10. Contractor must ensure to quote percentage rate in the schedule of Quantity. The column meant for quoting percentage rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.
11. The agency shall submit the status of his firm w.r.t. proprietary firm / partnership firm or Limited company as per detail given below:-

If the bidder is a proprietary firm, a self undertaking of the proprietorship shall be uploaded by the bidder.

If the bidder is a firm in partnership, the bid documents shall be signed by all the partners of the firm above their full typewritten names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the later case a certified copy of the power of attorney should be uploaded. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should also be uploaded.


If the bidder is a limited company or a corporation, the bid documents shall be signed by a duly authorized person holding power of attorney for signing the bid documents accompanied by a copy of the power of attorney/ Authorization Letter. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.

12. The Technical cum eligibility bids shall be opened first on date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the eligibility bid shall be communicated to them at a later date.

LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION:

- I. Earnest Money Deposit or EMD exemption certificate for MSE/MSME (firms registered in NSIC under PP policy are exempted from payment of EMD) as per detail given in Clause No. 9 at page 5 of the DNIT.
- II. Enlistment Order of the Main bidder as per detail given in Clause no. 1 at page 3 of the DNIT.
- III. Certificates of Work Experience of Main bidder as per detail given in Clause no. 1.2.1 at page 3 of the DNIT.
- IV. Affidavit on non judicial stamp paper duly attested by a notary public or District magistrate as per detail given in Clause No. 1.2.3 (a to d) at page 3 of the DNIT.
- V. Status of firm as per detail given in Clause No. 11 at page 10 of the DNIT
- VI. Valid Certificate of Registration for GSTIN.

Form- 7/8

SECTION-V	TENDER AND CONTRACT	
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Percentage Rate Tender & Contract For Works

Tender for the work of: **Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)**

- Date & time for submission of bid 11.06.2026 upto 3.00pm
- Date & time for submission of original EMD or EMD exemption certificate for MSE/MSME 12.06.2026 upto 3.00pm
- Eligibility Bid To be opened online on 12.06.2026 at 4.00pm

TENDER

I/we have read and examined the notice inviting tender, schedule A, B, C, D, E & F specifications applicable, Drawings and Designs, General Rules and Directions, conditions of Contract, clauses of contract, special conditions, additional terms & conditions & specifications, schedule of rate and other documents and rules referred to in the conditions of contract and all other contents in the tender documents for the work.

I/we hereby tender for the execution of the work specified for the Institute 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 75 days from the receipt of technical cum eligibility bids and not to make any modifications in its terms and conditions.

A sum of **Rs.21,820/-** is hereby forwarded in the shape of deposit at call receipt of a scheduled bank/ demand draft of a scheduled bank/ Fixed deposit receipt of scheduled bank in favour of the **Postgraduate Institute of Medical Education And Research, Chandigarh**, payable at Chandigarh as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said the Director, PGIMER 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 Director PGIMER or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carryout such deviation as may be ordered upto maximum of the percentage mentioned in Schedule-F and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture Earnest Money & 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 PGI in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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

Dated:-	Signature of Contractor
	Postal Address:
Witness:	
Address:	Telephone No.:
	Fax No.:
Occupation:	E-Mail.:


ACCEPTANCE

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

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

- i) _____
- ii) _____
- iii) _____

Dated _____	Hospital Engineer (Construction) For & on behalf of the Director, PGIMER, Chandigarh
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SECTION-VI	INTEGRITY PACT	
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To,

.....,
.....,
.....

Sub: NIT No. PGI/Engg/Const./2026/____for the work of **Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)**

Dear Sir,

It is here by declared that PGIMER, CHANDIGARH is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the Institute.

Yours faithfully

Hospital Engineer (Construction)

To,

Hospital Engineer (Construction),

.....,

.....

Sub: Submission of Tender for the work of **Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)**

Dear Sir,

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

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process.

I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT. I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by PGIMER, CHANDIGARH. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

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

Yours faithfully

(Duly authorized signatory of the Bidder)

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of Institute.

INTEGRITY AGREEMENT

This Integrity Agreement is made at on thisday of20..... **BETWEEN** Director PGIMER, Chandigarh represented through Hospital Engineer, (Construction), PGIMER, Chandigarh (Hereinafter referred as the (Address of Division) '**Principal/Owner**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

..... (Name and Address of the Individual/firm/Company) through (Hereinafter referred to as the (Details of duly authorized signatory) "**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns) **Preamble** WHEREAS the Principal / Owner has floated the Tender (NIT No.....) (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for (Name of work) hereinafter referred to as the "**Contract**".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Institute all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

d) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3) The Bidder(s)/Contractor(s) will not instigate third persons to omit offences outlined above or be an accessory to such offences.

4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Institute interests.

5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes.

The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

2) Forfeiture of EMD Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit Performance Guarantee and Security Deposit of the Bidder/Contractor.

3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/ Subcontractors

1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.

2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority of PGIMER, Chandigarh.

Article 7- Other Provisions

1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Chandigarh.

2) Changes and supplements need to be made in writing. Side agreements have not been made.

3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)


WITNESSES:

1.
(signature, name and address)

2.
(signature, name and address)

Place:

Dated :

SECTION-VII	PROFORMA OF SCHEDULE A TO F (FOR CIVIL WORK)	
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SCHEDULE 'A'

Schedule of quantities attached at Page No. 33-37 DNIT

SCHEDULE 'D'

Extra schedule for specific requirements / documents for the work, if any:	<u>As mentioned in tender documents</u>
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SCHEDULE 'E'

Reference to General Conditions of contract.

CPWD General Condition of Contract 2023 for Maintenance Works.

Name of Work :

Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)

Estimated cost of work :

Rs. LakhCivil Work : **Rs. 9.46 Lakh**Elect. Work : **Rs. 1.45 Lakh**Total : **Rs. Lakh**

Earnest Money :

Rs.21,820/-**(to be returned after receiving Performance guarantee)**

Performance Guarantee :

a) **5% of the tendered value** or estimated cost put to the tender (ECPT) (whichever is higher)

b) Where the tendered amount is less than eighty percent (80%) of the Estimate 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

Security Deposit:

2.5% of the tendered value**SCHEDULE 'F'****GENERAL CONDITION OF CONTRACT****Officer inviting tender****Hospital Engineer (Construction)
PGIMER, Chandigarh.****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**Definitions:****2 (v)****Engineer- in- charge****Hospital Engineer (Construction)
PGIMER, Chandigarh.**

2 (viii)	Accepting Authority	Hospital Engineer (Construction) PGIMER, Chandigarh.
2 (x)	Percentage on cost of material and labour to cover all overheads and profits	15%
2 (xi)	Standard Schedule of Rates	DSR 2023
2 (xii)	Department	Hospital Engineering & Planning P.G.I.M.E.R., CHANDIGARH
9 (ii)	Standard contract Form	Form-7/8, CPWD General Conditions of Contract 2023 for Maintenance works.

Clause 1

- (i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses registration with EPFO, ESIC and BOCW welfare Board or proof of applying thereof from the date of issue of letter of acceptance. **07 days**
- (ii) Maximum allowable extension **with late fee @ 0.1 % per day of performance guarantee amount** beyond the period provided in (i) above **03 days**

Clause 2 Authority for fixing compensation under clause-2 **Superintending Engineer, Hospital PGIMER, Chandigarh**

Applicable Clause 2/ Clause 2A **Clause 2**

Clause 5 Number of days from the date of issue of letter of acceptance for reckoning date of start = 07 days
Mile stones(s) as per table given below:-

S.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be withheld in case of non achievement of milestone
a)	25% of tendered value	1/4 th of total time	In the event of not achieving the necessary progress as assessed from the running payment, 1.25% of the tendered value of work will be withheld for failure of each milestone from SI No 1 to 4. Maximum amount to be with held shall not exceed 5% of tendered value of work.
b)	50% of tendered value	1/2 of total time	
c)	75% of tendered value	3/4 th of total time	
d)	100% of tendered value	Full time	

Time allowed for execution of work 1 Month

Authority to decide:

- | | | |
|-------|---|--|
| (i) | Extension of time : | Superintending Hospital Engineer |
| (ii) | Rescheduling of mile stones : | Superintending Hospital Engineer or his successor |
| (iii) | Shifting of date of start in case of delay in handing over of site: | Superintending Hospital Engineer |

PROFORMA OF SCHEDULES

Clause 5 Schedule of handing over of site:

Part	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	The site is available for execution of work	07 days
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

Clause 5 Applicable clause 5 or 5A

Clause 5

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

Rs.9.45 Lakh

Clause 7A Whether clause 7A shall be applicable

Applicable

Clause 10A List of equipments to be provided by the contractor at site lab.

10B(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 10CC Payment due to increase/decrease in Prices/Wages

Not Applicable

Clause 11 Specifications be followed for execution of work.

- i) NIT Specifications.
- ii) Latest CPWD Specifications with amendments.
- iii) Bureau of Indian Standards wherever no such specifications exists in S.No. i) & ii).

Clauses 12 Authority to decide deviation upto 1.5 times of tendered amount

Superintending Hospital Engineer, PGIMER, Chandigarh.

Type of work

Maintenance works including works of upgradation, aesthetic, special repair, addition/ alteration.

12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work	No Limit
Clause 16	Competent authority for deciding reduced rates	Superintending Hospital Engineer, PGIMER, Chandigarh.
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site/ manufacturing unit:-.	As per requirement at site.
Clause 19C	Authority to decide penalty for each default.	Hospital Engineer (Construction)
Clause 19D	Authority to decide penalty for each default.	Hospital Engineer (Construction)
Clause 19G	Authority to decide penalty for each default.	Hospital Engineer (Construction)
Clause 19K	Authority to decide penalty for each default.	Hospital Engineer (Construction)

Clause 25		
(i)	Conciliator	Director, PGI, Chandigarh.
(ii)	Arbitrator Appointing Authority	Director, PGI, Chandigarh.
(iii)	Place of Arbitration	Chandigarh

Clause 32 Requirement of Technical Representative(s) and recovery Rate. (Not Applicable)

S.No.	Qualification of Technical Staff	Discipline	Designation of Technical Staff	Minimum Experience (Years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling
1.	Graduate Engineer OR Diploma Holder	Civil	Project manager cum Planning/ Quality / site / billing Engineer)	02 OR 05	01	Rs. 15,000/- Per Month per person

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 **Delhi Schedule of Rates 2023**
- (ii) Variations permissible on theoretical quantities:
- (a) **Cement**
- For works with estimated cost put to tender not more than Rs. 5 lakh. **3% plus/minus.**
- For works with estimated cost put to tender more than Rs.5 lakh. **2% plus/minus.**
- (b) **Bitumen for all works** **2.5 % Plus only and 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**

Recovery rates for quantities beyond permissible variation

Sr. No.	Description of Item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond the permissible variation.
1.	Cement	-----NIL-----	Market rate + 10%
2.	Steel	-----NIL-----	Market rate + 10%

SECTION-VIII	<p style="text-align: center;">EXCLUSIONS / MODIFICATIONS IN CPWD GENERAL CONDITIONS OF CONTRACT 2023 (MAINTENANCE WORKS)</p>	
Clause No. & Page No. of CPWD GCC 2023	Exclusions / Modifications	
<u>CONDITIONS OF CONTRACT</u>		
i) Clause 2 (iv), Page 9	The word President / President of India and his successors wherever appears shall be read as the Director, PGIMER and his successors.	
ii) Clause 2 (v), Page 9	The word Government or Government of India wherever appears shall be read as PGIMER, Chandigarh.	
iii) Clause 2 (vi), Page 9	The Engineer-in-charge means the Hospital Engineer (Construction) who shall supervise and be Incharge of the work and who shall sign the contract on behalf of the Director, PGIMER as mentioned in Schedule 'F' hereunder.	
iv) Clause 2 (x) (b), Page 10	The following provisions are also added in this clause: Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender documents or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued previous day of the last date of submission of the tender.	
v) Clause 2 (xi), Page 10	Department shall means Director, PGIMER or any Division of PGIMER which invites tenders on behalf of Institute as specified in the Schedule 'F'.	
vi) Clause 2 (xvi), Page 10	The following provisions are also added in this clause: Extra items are those items which are not available in the contract. a. Non Schedule Extra Items are those items which are not available in the Standard Schedule of Rates specified in Schedule F. b. Schedule Extra Items are those items which are not available in the Standard Schedule of Rates specified in Schedule F.	
vii) Clause 2 (xvii), Page 10	The following provision are also added in this clause: The Completion Cost : Completion cost amount of work done, amount of extra items (s) and deviation (s) and escalation amount admissible as per agreement etc.	
viii) Clause 2 (xvii), Page 10	The following provision are also added in this clause: Maintenance work : Maintenance work (s) are those work (s) which includes Upgradation, aesthetic improvement, special repair, addition / alteration, annual repair, comprehensive maintenance work etc.	
<u>CLAUSES OF CONTRACT</u>		
ix) Clause 9, Page 24	The following provisions under this clause are not applicable:- If the final bill is submitted by the contractor within the period specified above and payment of final bills is made by the deptt. after prescribed time limit , a simple interest @ 5 % per annum shall be paid to the contractor from the date of expiry of prescribed time limit which will be compounded on yearly basis, provided the final bill submitted by the contractor is found to be in order.	

- x) **Clause 12, Page 34**
- The following provisions are also added in this clause:-
 The completion cost shall, in no case exceed 1.5 times the contract amount.
 Contractor will devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-Charge before taking up extra item(s), deviation(s) so- that completion cost does not exceed above limit, work executed beyond above limit will never be recorded nor be paid.
 Engineer-in-Charge will verified and confirm the alerts before assigning deviation(s) and / or extra items(s) to the contractor. If additional work(s) is required to complete defined scope of work beyond above limit then Engineer-in-Charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account.
- xi) **Clause 12.1, Page 34**
- The following provisions are also added in this clause:
 The time for completion of the works shall, in the event of any deviation(s) and extra item(s) resulting in additional cost over the contract amount will be extended, it requested by the contractor, as follow.
- (i) In the proportion to the additional cost of work, bears to the original contract amount plus.
 - (ii) 25% of the time calculated in (i) above.
- xii) **Clause 12.2, Page 34-35**
- The following provisions are deleted in this clause:
 Extra items are those which are not available in the contract. For percentage rate tenders, the extra item(s) which are available in the standard schedule of rates specified in Schedule F, shall be paid as per the said schedule rate Plus cost index (considered in the estimated cost put to tender plus/minus percentage above/ below quoted on estimated cost put to tender.
 For item rate tenders, the extra item(s) which are available in the standard schedule of rates specified in Schedule shall be paid as per the said schedule plus cost index considered in the estimated cost put to tender) plus/minus percentage above/ below worked out on the basis of overall contract amount and estimated cost of the work put to tender.
- xiii) **Clause 12.2, Page 35**
- The following provisions are also added in this clause:
 (a) Non Schedule Extra Item(s) - The contractor, shall within fifteen days of the receipt of order to execute extra item(s) or occurrence of the item(s), submit analysis of rate of extra item(s) based on the rate(s) of material(s) available in basic rate of Standard Schedule of Rate mentioned in schedule F and rate(s) of the material(s) based on tax paid bills which are not available in standard Schedule of Rate mentioned in schedule F. For this purpose, the basic rate of material(s) available in Schedule of Rate(s) mentioned in Schedule F will be enhanced or reduced by the applicable cost index, as the case may be.
 The rate(s) of the material(s) which are not available in Standard Schedule of Rates, mentioned in Schedule F, shall be based on, tax paid bill(s) for the material(s) as defined in manufacturer's specification.
 Material rate(s) from Standard Schedules of Rate(s) shall be given priority in the analysis of rate(s). The rate of extra item will be.
- i. Analyzed rate(s) as above multiplied by (Contract amount divided by estimated cost put to tender), if tendered amount is below the estimated amount put to tender.
 - ii. Analyzed rate, if the Contract amount is above the estimated amount put to tender.
- Failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.

Where the contractor submits analysis of rate(s) of extra item(s) in the manner prescribed above, the Engineer-in Charge shall, within 60 days of the receipt of the analysis of rate, after giving consideration to the analysis of rates and other documents submitted by the contractor. Determine the rate(s) of extra item(s). The contractor shall be paid in accordance with the rate(s) so determined.

However provisional rate(s) on the basis of invoice will be allowed by the Engineer-in-Charge. Invoice shall be accepted only for material(s) not available in the Standard Schedule of Rates mentioned in Schedule F. The contractor while submitting the tax paid bill of purchased material(s) shall ensure that rate(s) of the materials are reasonable and lowest available in the market. If Engineer-in Charge feels rates in tax paid bill(s) submitted by contractor are not reasonable then he can modify the rate(s) after giving a notice to the contractor. Engineer-in-Charge is the final authority to decide applicable rate(s) of material(s).

b) Scheduled Extra Items

i. For percentage rate tender, the extra item(s) shall be paid as Per the Standard Schedule of Rates, mentioned in Schedule F, enhanced or reduced by the applicable cost index and further enhanced or reduced by percentage above/below quoted by the contractor on estimated cost put to tender.

ii. For item rate tender, the extra item(s) shall be paid as per the said schedule rate enhanced or reduced by the applicable cost index and multiplied by (Contract amount divided by estimated cost put to tender).

The rate(s) of extra item(s) so determined by the Engineer-in-Charge shall be final and binding on the contractor.

xiv) **Clause 12.5, Page 35**

The following provisions are also added in this clause:

Cost index : Latest available Cost index at the time of beginning of execution of extra item(s) shall be used in sub-clauses 12.2 (a) and 12.2 (b) for calculation of rates of extra item (s)

xv) **Clause 12.6, Page 35**

The following provisions are also added in this clause:

Labour rates: Labour rates will be based on latest available circulars issued by Central Govt. or State Govt. whichever are higher as well as applicable for the work.

xvi) **Clause 30, Page 53**

The following provisions are also added in this clause:

i) The Engineer-in-Charge shall make alternative arrangements for supply of water at the risk and cost of contractor(s) if the arrangements made by the contractor(s) for procurement of water are in the opinion of the Engineer-in-Charge, unsatisfactory. In such case, water charges @ 1.5 % shall be recovered on gross amount of the work done.

The contractor shall take water connection from source of Municipal Corporation, Chandigarh / Chandigarh Administration at his own cost. He will pay the bills raised by concerned department regularly. However, PGIMER will help the contractor to take connection from concerned authority. If, the contractor fails to deposit the water bill, the Engineer Incharge will have the authority to deduct the such amount from contractor's bills and deposit the same to concerned department.

ii) The contractor shall make his own arrangements for power supply including laying of cables, switchgears and energy meter for the required load upto the main source of U.T. electricity department / Institute's source of supply (If U.T. electricity is not available) at his own cost for the proper execution of the work and will pay the charges for the electric power consumed.

SECTION-IX	ADDITIONAL TERMS AND CONDITIONS OF CONTRACT	
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1. The successful tenderer must sign the Integrity pact Annexed in section-VI at page 15 of the DNIT after award of work.
2. PGIMER reserves the right to accept/reject any or all tenders without assigning any reason thereof.
3. All the disputes concerning this tender in any way are subject to Chandigarh Jurisdiction only.
4. **Tenderers to study entire tender document carefully**

a) Submission of a tender by a tenderer implies that he has read all the stipulations contained in this booklet and all other contract documents and has acquainted himself of the nature, site conditions scope and specifications of the works to be executed and of conditions and rates at which stores will be issued to him by the PGIMER. The contractor shall also be deemed to have acquainted himself with local conditions and other factors which have a bearing on the execution of the works.

b) No claim will be entertained on account of ignorance of site conditions.

5. **CONTRACTOR SHALL SUBMIT FABRICATION DRAWING FOR OBTAINING APPROVAL**

The contractor shall submit fabrication drawing in triplicate for obtaining preliminary approval of the Engineer-in-Charge for all design drawings structural steel elements, **electrical panels and Air-Conditioning ducts wherever required**. One copy of this drawings duly corrected and signed wherever necessary by Institute will be returned to the contractor for preparing and resubmitting drawings after incorporating the said corrections again in triplicate for final approval. Along with the completion and approval of fabrication drawing, the contractor shall also submit the materials list, for checking and approval to the institute. No drawing shall be approved finally without material list. Once the drawing is finally approved, no request for any alternative section will be entertained. The contractor shall also submit **3 copies** of design calculations for the designs of joints **if required** All joints shall be designed for full strength of members, unless otherwise specified. Approval of fabrication drawings however will not absolve the contractor of his responsibility for the safety and correctness of the fabrication.

6. **SALE OF TENDERS TO CONTRACTORS WITH A BLEMISHED RECORD**

If the Engineer In-charge receives adverse report against any working contractor of the Institute, either from the department in which he is enlisted or from any other Department or Hospital Engineers of the Institute, he may stop issue of tenders to that contractor on the basis of such a report.

On the receipt of a case of adverse performance/ Misbehavior/ Threatening of site staff or any other such reasons, the Director PGIMER shall issue show cause to such contractors and after considering their reply, He shall have full powers to debar such contractor for a period as decided by him. Such debarred contractor shall be ineligible to take up any work in the Institute during the period of debarring.

A copy of such orders shall be posted on PGIMER website so that every field unit of the Institute becomes aware and does not issue tender to such debarred contractors.

If the NIT approving authority not lower than the rank of Superintending Hospital Engineer is satisfied that it is in the interest of the Institute to allow a contractor who has been debarred for reason of inactivity, to participate in the tendering process for getting competitive tenders, he may do so.

7. **WORK AND WORKMANSHIP**

To determine the acceptable standard or workmanship, the Engineer-in-Charge may order the contractor to execute certain portions of works and service such as walls, flooring, joinery, finishes, roads and the like under the close supervision of the Engineer-in-Charge. On approval, these items shall be labeled as guiding samples and works executed to conform to these samples.


8. **WORK IN TWO SHIFT:**

To speed-up the work, the institute may direct the agency to work in **Two shifts** and the tenderer will have to make adequate arrangements for carrying out work in Two shifts for which nothing extra shall be payable

9. **GATE PASSES**

All tools and plants, surplus/dismantled/ rejected/ materials to be taken away by the contractor from the work site should have a valid gate pass (4 copies) issued by the competent authority of the Institute. One copy of the gate pass shall be delivered to the security staff, one copy at the Exit gate, the third copy shall be retained by the contractor and fourth copy shall be retained by the officer issuing the gate pass.

10. All other information such as documents and drawing supplied by the tenderer will also be in the English language only. Drawing and designs shall be dimensioned according to the metric system of measurements.
11. Tenders who do not full fill all or any of the conditions laid down in this notice, or contain conditions not covered and/or not contemplated by the General Conditions of contract and /or expressly prohibited therein or stipulated addition/alternative conditions shall be liable to be rejected.
12. The institute reserves the right to revise or amend the tender documents prior to the date notified for opening of the tenders and also the right to postpone the date of presentation and opening of tenders without assigning any reason, whatsoever.
13. Each tenderer shall upload only one tender; either by him or as partners in a joint venture. A tenderer who uploads more than one tender will be disqualified.
14. Unless otherwise stated, the contract shall be for the whole work as described in the “Schedule of items of Works” and the drawings. The contractor shall be bound to complete the whole work as described in the schedule of items of works and the drawings, including additional items, if any, as per drawings and instructions. The issuance of certificate of completion as issued by the Engineer-in-Charge shall be mandatory and will be conclusive proof of completion of work.
15. Interpretations, corrections and changes to the Tenders Documents shall be made by Addendum, if required.
16. The quantities taken in the tender can be executed at anywhere in the Institute as per requirements and directions of Engineer Incharge and Contractors shall be bound to execute the same without claiming anything extra.
17. The Contractor shall strictly comply with the provision of EPF/ESI acts and shall furnish PF/ESI codes. It would however, be mandatory on the part of the contractor to provide proof of having deposited PF and ESI contribution as per law provides together with PF account number of employees in whose account the amount has been deposited (As an affidavit duly attested by Ist class Magistrate) on completion of work. Security shall be released after receipt of the above.

SECTION-X	LIST OF APPROVED MAKES & SCHEDULE OF QUANTITIES (CIVIL WORK)	
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LIST OF APPROVED MAKES

S.No.	Description	Makes/Brands
	(CIVIL WORKS)	
1.	Ready Mix Concrete	L & T CONCRETE / J.K. LAKSHMI / ULTRATECH / KWIK MIX
2.	Grey Cement 43 Grade (OPC / PPC)	ACC / L & T / GUJRAT AMBUJA / VIKRAM / BIRLA / JK CEMENT / SHREE
3.	White Cement	BIRLA WHITE / JK WHITE
4.	Reinforcement Steel	SAIL / TISCO / RINL / IISCO
5.	Structural Steel Stainless Steel 304 Grade	JINDAL/TATA/ SAIL
6.	Flush Door Shutters	CENTUARY / KITPLY / KUTTY
7.	PVC Door Shutter	RAJSHREE / SINTEX PLAST / DURO PLAST
8.	Ply / Commercial Board	CENTUARY / KITPLY / NATIONAL
9.	Prelaminated Board	ANCHOR / NOVAPAN / KITLAM/ BAJAJ
10.	Sunnica	ACTION TESA / GREENLAM / CENTURY PLY / MERINO
11.	Pressed Steel Frame / Steel windows	SAN HARVIC, STEELMAN INDUSTRIES, PD INDUSTRIES, METAL WINDOWS, CHANDNI INDUSTRIES, GANPATI UDYOG (RAJPURA)
12.	Aluminium, Door Fittings	ARGENT / CLASSIC / UNIVERSAL
13.	Mortise Lock	GODREJ / HARRISON / PLAZA
14.	Door Closure (Hydraulic)	UNIVERSAL / RITZ / EVEREST
15.	Double Action Hydraulic Floor spring	UNIVERSAL / GODREJ
16.	Helical and Double Action Spring	RITZ / HERYKA / AVON
17.	Adjustable Friction Window stay	EARL BIHARI PVT. LTD. (EBCO)
18.	Wall Tiles	JOHNSON / ORIENT / KAJARIA
19.	Ceramic Floor Tiles, Vitrified Tiles	KAJARIA / JOHNSON / NITCO
20.	Precast Concrete Tiles (Terrazo / Plain / Chequered), Soild /Green Paver Blocks, PCC Kerbs & Channels.	NTC (PKL) / NITCO / MODERN PAVERS (DELHI) / SUPER TILES (NOIDA) / SWASTIK TILES/GTC/SARAL IMPEX/BALAJI TILES/SHAM TILES & CONCRETE PRODUCTS/MGM INFRA/KRISHNA TILES/ GIAN NIRMAN LTD.
21.	Vinyl Flooring	TUSKAR / WONDER FLOOR / LG / ARMSTRONG
22.	Wooden Flooring	ARMSTRONG / PERGO / ACTION TESA
23.	Glass (Float / Tinted)	MODIGUARD / TRIVENI / SAINT GOBAIN / ATUL
24.	Paint (Synthetic Enamel / Emulsion / Anti Fungal)	NEROLAC / ASIAN / BERGER/ ICI
25.	Road marking paint	BRIGHT / ORIENT
26.	Oil Bound Distemper	NEROLAC / ASIAN / BERGER/ ICI
27.	Wood & Steel Primer	NEROLAC / ASIAN / BERGER/ ICI
28.	Water Proofing Compound	CICO / PIDILITE / ROFEE / DR. BECK / DURASEAL
29.	Aluminium Sections	INDALCO / HINDALCO / JINDAL
30.	Tile Adhesive	PIDILITE / SIKA / FOSROC / BAL ENDURA
31.	Glass Mosaic Tiles	PIXEL GLASS / CORAL / ITALIA / BISAZZA / PALLADIO
32.	False ceiling:	
	a) Mineral Fibre .	USG BORAL/ ARMSTRONG / DAIKEN / DEXUNE
	b) Gypsum	SAINT GOBAIN / USG / DEXUNE / ARMGYP / DIAMOND
	c) Wooden	KITP.LY / ANCHOR / ARMSTRONG WOODWORKS
	d) Metallic	LLOYD / ARMSTRONG / LUXLON / DEXUNE
33.	Silicon paint	PIDILITE / CICO / ROFF / CHOKSEY
34.	Wall putty	JK / BIRLA / ASIAN
35.	Dash / Anchor fasteners	HILTI / FISCHER
36.	Nuts / Bolts & Screws	GKW / ATUL
37.	Backer rod	SUPREME
38.	Sealant	BASF INDIA / SIKA / FOSROC / DR. FIXIT / CHOKSEY
39.	Structure Silicon / Weather Silicon	DOW CORNING / WALKER
40.	G.S. Sheet (Corrugated)	TATA/ SAIL / NIPPON
41.	APP water proofing membrane & Primer	PIDILITE / CICO / SIKA
42.	UV Coated Polycarbonate Sheet	LEXAN / POLYGAL/GALLINA / ULTRALITE
43.	PPGI Sheets	JSW / BLUESCOPE
44.	Profile Sheets forming Vendors	JINDAL MECTEC/ SYNERGY THRISLINGTON/ TATA BLUESCOPE STEEL
45.	Electric Chimney	GLEN / ELE / KUTCHINA
46.	Modular Kitchen	GODREJ / HAFELE / HETTICH
47.	Prefabricated sandwich Puf Panels for walls & roofs	RINAC / SYNERGY THRISLINGTON / JINDAL MECTEC /LLOYD
48.	Puf panels Hardware fittings accessories / Hinges	GEZE / ALTOS / DOYEN
49.	Vertical / Zebra Blinds	VISTA / MAC / HUNTER DOUGLAS

S.No.	Description	Makes/Brands
50.	Acoustic wall / ceiling panels	ANUTONE / HIMALYAN / PROLAD
51.	ACP Sheet (Exterior grade)	EUROBOND / ALSTONE / INDOBONS

S.No.	Description	Makes/Brands
	(PUBLIC HEALTH WORKS)	
1.	Vitreous China Ware (1st Class quality)	PARRYWARE / HINDUSTAN VITREOUS / CERA
2.	Plastic Seat Cover	PARRYWARE / COMMANDER / HINDWARE
3.	C.P. Fittings / Accessories	ESSCO / EBONY / JAL / JAQUAR
4.	PTMT fittings	PRAYAG / POLYTUF
5.	Flush Valve	JAQUAR / JAL / ESS ESS
6.	Stainless Steel Sink	COBRA / NEEL KANTH / AMC / NIRALI
7.	Soil waste pipes & fittings (a) Centrifugal Cast Spun Pipe (b) Sand cast iron pipes (c) Centrifugal Cast Spun LA Pipe	NECO/ HIF/ACL/ KESORAM NIF / RIF ELECTRO STEEL / KESORAM
8.	GI & MS Pipes	TATA / JINDAL (HISAR) / BST
9.	PVC Water Supply Pipes & Fittings	NOCIL / CHEMPLAST / WAVIN / SUPREME / DIZAYN / DIPLAST
10.	GI Fittings (Malleable Cast Iron)	UF / SVW / UNIK
11.	Gun Metal Valve (Full way, Check & Globe valve)	LEADER / SANT / KILBURN
12.	Butter Fly Valve	CASTLE / C & R / ADVANCE / IVC / AUDCO
13.	C.I. Double Flanged Sluice Valve & Check Valve	IVC / KIRLOSKAR / LEADER
14.	C.I. Double Flanged Non return Valve	GEETA / KIRLOSKAR / C & R / AUDCO / CASTLE / ADVANCE
15.	Foot Valve	LEADER / IVC / KIRLOSKAR
16.	C.I. Manhole Cover & CI Grating	RIF / ADHUNIK / BC
17.	Bib & Stop Cocks (Brass)	KPR / SANT / VIF
18.	Mirror Glass	MODI GUARD / ATUL / GOLDEN FISH
19.	Insulation Hot Water Pipes (Mineral wool)	LAPINUS
20.	Bed Pan Sink	PAMINI
21.	Elbow Action Surgical Mixer, Taps & Bed pan sink accessories	VIJAY
22.	PVC tanks	DIPLAST / SINTEX / AQUA PLUS
23.	Stone ware pipe & G.T.	PERFECT / CHANDIGARH CERAMICS / HIND / ISI MARKED
24.	PVC plumbing pipes/fittings	NOCIL / CHEMPLAST / WAVIN / SUPREME / DIAZYN / DIPLAST
25.	Ferrules	DHAWAN SANITARY UDYOG (PRIMA)
26.	Pump	MATHER & PLATT / KIRLOSKAR / KSB / GRUNDFOS

S.No.	Description	Makes/Brands
	(FIRE FIGHTING WORK)	
1.	Pipes (M.S./G.I.)	TATA/JINDAL/ZENITH
2.	Pipe Fittings	UNIQUE/RM/KIRTI/SAINT/VS
3.	Gun metal valves	LEADER/SANT/ZOLOTO/HAWA
4.	Single headed Hydrant valves, four way fire Brigade inlet & shut off nozzle.	NEWAGE/MINIMAX/SUPEREX
5.	Rubber Hose for hose reel	JYOTIPADMINI/BHARAT/EVERSAFE/KESRA/ SRI (LPCB)
6.	Sluice & non return valves	KIRLOSKAR/KALPANA/SANT/AUDCO
7.	Pressure switch	INDFOSS/SWITZER/SYSTEM SENSOR/DANFOSS
8.	Pressure Gauges	FLEBIG/H-GURU/BELL/WIKA
9.	Pump	MATHER & PLATT/KIRLOSKAR/KSB/GRUNDFOS
10.	Motor	ABB/SIEMENS/CROMPTION GREAVES/KIRLOSKAR
11.	Mechanical Seal	DURAMETALLIC/SEALOL
12.	Enamel Painting of pipes etc	ASIAN/NEROLAC/ICI/BERGER
13.	Paint Primer	ASIAN/JENSON NICHOLSON/BERGER

S.No.	Description	Makes/Brands
14.	Diesel Engine (Note: Pump and motor shall be assembled at Pump Manufacture's work)	Cummins / Caterpillar / Kirloskar / Leyland
15.	Fasteners	Hilti / Fischer
16.	Weld Rods	Advani / Mangalam / Esab
17.	Ball Valves	R B (Italy) / Bugatti / Zoloto / Audco
18.	Butterfly Valve	C & R / Intervalve / Advance / Audco
19.	RRL Hose	Newage Premier / Padmini / Eversafe Indian Rayon (Jayashree) Fire Marshal
20.	Rubber Gaskets	CIC / Varuna
21.	Neulite Branch pipe	Newage / Superex
22.	Stainer	Emeraid / Grandprix / Leader / Hammer.
23.	Wafer type Non Return Valves	C & R / Advanced / Kirloskar Audco
24.	Sprinklers (all types) (including rosette plate)	Tyco / HD/ Viking
25.	Installation Control Valve	Tyco / HD/ Viking
26.	Passive Fire Protection Material	Promat / Hilti / 3M
27.	First Aid Hose Drum	Ashok / Newage / Eversafe / Sri
28.	Flow Switch	System Sensor / Switzer / Honey well
29.	Ping fittings	Unik / Saint / VS
30.	Nuts & Bolts	Lakshmi / Unbrako
31.	Sprinkler Hanger Supports	Chilly / Hitech
32.	Branch pipe	Newage / Minimax / Superx
33.	Hume Pipe	NP2 Class
34.	Fire Extinguishers	Nanex / Fireshield / Minimax / Safex / Safeguard

Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. Composite Tender) (SH: Civil Work)

SCHEDULE OF QUANTITY

(PART-A: CIVIL WORK)

Sr. No.	Detail of Work	Unit	Qty.	Rate	Amount
1	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
(a)	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	4.60	9895.20	45517.92
(b)	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).	Cum	23.00	8519.20	195941.60
2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	27.10	1123.80	30454.98
3	Providing and fixing Ist quality ceramic digital joint less glazed wall tiles of size not less than 300 x 400mm of approved make and shades as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	73.80	1267.95	93574.71
4	Precast terrazzo tiles 22 mm thick with graded marble chips of size upto 12 mm, laid in foors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand) :				
	Medium shade pigment using 50% white cement and 50% ordinary cement	Sqm	36.50	1507.10	55009.15
5	Providing and laying Ist quality Ceramic glazed floor tiles of size 300x300 mm of approved make and shades laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	22.60	1096.55	24782.03
6	12 mm cement plaster of mix :				
	1:6 (1 cement: 6 fine sand)	Sqm	80.60	333.35	26868.01
7	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
	1:3:6 or richer mix	Cum	30.30	2434.25	73757.78

Sr. No.	Detail of Work	Unit	Qty.	Rate	Amount
8	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
	Of area 3 sq. metres and below	Each	4.00	367.20	1468.80
9	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
a)	75 to 80 mm dia pipe.	Mtr	28.00	75.70	2119.60
b)	100 mm dia pipe	Mtr	28.00	78.00	2184.00
10	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	73.90	54.65	4038.64
11	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	38.10	263.95	10056.50
12	Providing and fixing white vitreous china pedestal type water closet(European type W.C. pan) with seat and lid, 10 litre low level whiteP.V.C. flushing cistern, including flush pipe, with manually controlleddevice (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
	W.C. pan with ISI marked white solid plastic seat and lid	Each	4.00	6515.55	26062.20
13	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-(a) White Vitreous China Wash basin size 550x400 mm with a15 mm CP Brass single hole basin mixer	Each	4.00	3960.55	15842.20
14	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make(a) 15 mm nominal dia as approved by Engineer in charge.	Each	4.00	6940.75	27763.00
15	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	Each	4.00	349.15	1396.60
16	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	4.00	1607.95	6431.80
17	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawlplugs etc., complete.	Each	4.00	1083.50	4334.00
18	Providing and fixing toilet paper holder :				
	C.P. brass	Each	4.00	803.70	3214.80
19	Providing and fixing soil, waste and vent pipes :				


Sr. No.	Detail of Work	Unit	Qty.	Rate	Amount
(a)	100 mm dia.				
	Sand cast iron S&S pipe as per IS: 3989.	Mtr	30.00	1180.75	35422.50
(b)	75 mm diameter :				
	Sand cast iron S&S pipe as per IS: 3989.	Mtr	30.00	1044.75	31342.50
20	Providing and fixing heel rest sanitary bend				
(a)	100 mm				
	Sand cast iron S&S as per IS : 3989	Each	4.00	548.70	2194.80
(b)	75 mm diameter :				
	Sand cast iron S&S as per IS : 3989	Each	4.00	504.30	2017.20
21	Providing and fixing single equal plain / Y junction of required degree :				
(a)	75 mm diameter :				
	Sand cast iron S&S as per IS - 3989	Each	12.00	561.20	6734.40
22	Providing and fixing collar :				
(a)	100 mm				
	Sand cast iron S&S as per IS - 3989	Each	4.00	513.15	2052.60
(b)	75 mm diameter :				
	Sand cast iron S&S as per IS - 3989	Each	8.00	362.05	2896.40
23	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter:				
a)	100 mm	Each	12.00	622.50	7470.00
b)	75mm	Each	64.00	526.25	33680.00
24	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
	100 mm inlet and 75 mm outlet				
	Sand cast iron S&S pipe as per IS: 3989.	Each	8.00	1975.15	15801.20
25	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	20 mm dia nominal bore	Rmt	60.00	635.20	38112.00
26	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
	15 mm nominal bore	Each	4.00	506.80	2027.20
27	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
	15 mm nominal bore	Each	8.00	670.45	5363.60
28	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
	15mm nominal bore	Each	24.00	574.30	13783.20
29	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	Each	24.00	74.80	1795.20

Sr. No.	Detail of Work	Unit	Qty.	Rate	Amount
30	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
a)	For fixed portion				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	65.80	495.05	32574.29
b)	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	61.50	598.60	36813.90
31	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 Grade 1 Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	5.10	1139.30	5810.43
32	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	6.20	1505.25	9332.55

Sr. No.	Detail of Work	Unit	Qty.	Rate	Amount
33	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	66.40	617.05	40972.12
	Total				977014.41
	Add difference of Water Charges @ 0.50%				4885.07
	Total-A				981899.48
34	Deduct credit of old materials				
	Old G.I/Centrifugal pipes 100mm / 75 mm dia	Kg	476.00	35.00	16660.00
	Aluminium Doors and frames	Nos.	127.30	150.00	19095.00
	Total-B				35755.00
	Grand Total				946144.48

A.E. (P)

Hospital Engineer (Construction)
PGIMER, Chandigarh

SECTION-XI	PROFORMA OF SCHEDULE A TO F, LIST OF APPROVED MAKES & SCHEDULE FO QUANTITIES (FOR ELECTRICAL WORK)	
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SCHEDULE 'A'

Schedule of quantities attached at Page No. 48-49 DNIT

SCHEDULE 'D'

Extra schedule for specific requirements / documents for the work, if any:	<u>As mentioned in tender documents</u>
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SCHEDULE 'E'

Reference to General Conditions of contract.

CPWD General Condition of Contract 2023 for Maintenance Works.

Name of Work :

Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Civil & Electrical Works)

Estimated cost of work :

Rs.10.91 Lakh

Civil Work : Rs. 9.46 Lakh

Elect. Work : Rs. 1.45 Lakh

Total : **Rs. 10.91 Lakh**

Earnest Money :

Rs.21,820/-**(to be returned after receiving Performance guarantee)**

Performance Guarantee :

a) **5% of the tendered value** or estimated cost put to the tender (ECPT) (whichever is higher)

b) Where the tendered amount is less than eighty percent (80%) of the Estimate 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.

Security Deposit:

2.5% of the tendered value**SCHEDULE 'F'****GENERAL CONDITION OF CONTRACT****Officer inviting tender****Hospital Engineer (Construction)
PGIMER, Chandigarh.****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**Definitions:****2 (v)****Engineer- in- charge****Hospital Engineer (Electrical)
PGIMER, Chandigarh.**

- 2 (viii) **Accepting Authority** Hospital Engineer (Construction)
PGIMER, Chandigarh.
- 2 (x) **Percentage on cost of material and labour to cover all overheads and profits** 15%
- 2 (xi) **Standard Schedule of Rates** DSR 2025 (E&M)
- 2 (xii) **Department** Hospital Engineering & Planning
P.G.I.M.E.R., CHANDIGARH
- 9 (ii) **Standard contract Form** Form-7/8, CPWD General Conditions of Contract 2023 for Maintenance works.

Clause 1

- (i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses registration with EPFO, ESIC and BOCW welfare Board or proof of applying thereof from the date of issue of letter of acceptance. **07 days**

- (ii) Maximum allowable extension **with late fee @ 0.1 % per day of performance guarantee amount** beyond the period provided in (i) above **03 days**

- Clause 2 Authority for fixing compensation under clause-2** **Superintending Engineer, Hospital Chandigarh PGIMER, Clause 2**

Applicable Clause 2/ Clause 2A

- Clause 5** Number of days from the date of issue of letter of acceptance for reckoning date of start = 07 days
- Mile stones(s) as per table given below:-

S.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be withheld in case of non achievement of milestone
e)	25% of tendered value	1/4 th of total time	In the event of not achieving the necessary progress as assessed from the running payment, 1.25% of the tendered value of work will be withheld for failure of each milestone from SI No 1 to 4. Maximum amount to be withheld shall not exceed 5% of tendered value of work.
f)	50% of tendered value	1/2 of total time	
g)	75% of tendered value	3/4 th of total time	
h)	100% of tendered value	Full time	

Time allowed for execution of work 1 Month

Authority to decide:

- (i) Extension of time : **Superintending Hospital Engineer**

- (ii) Rescheduling of mile stones : **Superintending Hospital Engineer or his successor**
- (iii) Shifting of date of start in case of delay in handing over of site: **Superintending Hospital Engineer**

PROFORMA OF SCHEDULES**Clause 5 Schedule of handing over of site:**

Part	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	The site is available for execution of work	07 days
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

Clause 5	Applicable clause 5 or 5A	Clause 5
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	Rs. 1.45 Lakh
Clause 7A	Whether clause 7A shall be applicable	Applicable
Clause 10A	List of equipments to be provided by the contractor at site lab.	
10B(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 10CC	Payment due to increase/decrease in Prices/Wages	Not Applicable
Clause 11	Specifications be followed for execution of work.	i) NIT Specifications. ii) Latest CPWD Specifications with amendments. iv) Bureau of Indian Standards wherever no such specifications exists in S.No. i) & ii).
Clauses 12	Authority to decide deviation upto 1.5 times of tendered amount Type of work	Superintending Hospital Engineer, PGIMER, Chandigarh. Maintenance works including works of upgradation, aesthetic, special repair, addition/ alteration.
12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work	No Limit

- Clause 16** Competent authority for deciding reduced rates **Superintending Hospital Engineer, PGIMER, Chandigarh.**
- Clause 18** List of mandatory machinery, tools & plants to be deployed by the contractor at site/ manufacturing unit:-. **As per requirement at site.**
- Clause 19C** Authority to decide penalty for each default. **Hospital Engineer (Electrical)**
- Clause 19D** Authority to decide penalty for each default. **Hospital Engineer (Electrical)**
- Clause 19G** Authority to decide penalty for each default. **Hospital Engineer (Electrical)**
- Clause 19K** Authority to decide penalty for each default. **Hospital Engineer (Electrical)**

Clause 25		
(i)	Conciliator	Director, PGI, Chandigarh.
(ii)	Arbitrator Appointing Authority	Director, PGI, Chandigarh.
(iii)	Place of Arbitration	Chandigarh

Clause 32 Requirement of Technical Representative(s) and recovery Rate. (Not Applicable)

S.No.	Qualification of Technical Staff	Discipline	Designation of Technical Staff	Minimum Experience (Years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling
1	Graduate Engineer OR Diploma Holder	Electrical	Project manager cum Planning/ Quality / site / billing Engineer)	02 OR 05	01	Rs. 15,000/- Per Month per person

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 (Not Applicable)

LIST OF APPROVED MAKES / BRANDS
(ELECTRICAL WORK)

S.No.	Details of equipment/ material	Approved Make
1	Distribution Boards (DB)	Legrand (Ekinox)/Hager(Novello)/Schneider(Acti-A9H)/ Siemens (Betagard)/ Lauritz Knudsen-Exora/ ABB (Itus)
2	MCBs / RCCB/Isolators / RCBO / Change over switch/ Time Switch	Hager (NCN) / Legrand (DX3) / Schneider (ACTI-A9N) / Siemens (Betagard) / Lauritz Knudsen-Exora/ ABB(SB200)
3	HT, LT Cables& Wires	KEI/ Havells/ Polycab /
4	Cable Jointing/Termination Kit	Raychem/ <i>M-seal</i> / 3M
5	Glands and Lugs / Thimbles Long Barrel	Dowell's (Biller India)/Hax Brass (Copper Alloy India)/3D
6	Fiber Optical Cable/ Cat 6/Cat 6 A/Patch Cords / Patch Panel	Legrand/ Schneider(Actassi)/ Beldon/ Systimax/ Pandnit/ Molex
7	Bus bar-Cu/Al	Lauritz Knudsen/Jindal/ Hindalco/ Sterlite/ Valco
8	Modular Switches, Socket Outlets, USB Charger, Sockets, Fan Regulators, Dimmers and moulded cover plates <i>IO Socket Outlets</i>	Lauritz Knudsen (Englaze)/ MK(<i>Blenze plus</i>)/Legrand- <i>Arteror</i> /Northwest-Convex/ Schneider(Unipure)/ ABB (Ivie)
9	UPVC Wall Trunking& their accessories	Legrand (<i>Arteror</i>)/ Schnieder/ OBO Bettermann/MK/
10	Modular Boxes	Lauritz Knudsen/ Legrand / Northwest / Schneider / MK/ ABB
11	MS Conduit & Accessories	BEC/ AKG/ NIC / <i>Anchor</i>
12	PVC Conduit, PVC Raceways, PVC Casing/capping	BEC/ AKG/ NIC / <i>Anchor/Diplast</i>
13	LED Light Fixtures /Post Top Lanterns/ Bollards/ Gate Lights and Lamps, Facade Lighting	Philips/ Wipro / <i>Lighting technologies</i> / Schreder/
14	Ceiling fans	USHA(Striker)/Bajaj(Durato)/Ortem(Star Premium)/ Orient(New Breeze)/Havell(SS390ES)

Note:-

- (i) DB's and MCB should be of same make.
- (ii) MCB breaking capacity should greater than or equal to 10KA.

MEMORANDUM OF UNDERSTANDING [M.O.U] BETWEEN

1]M/S [Name of the firm with full address]

Enlistment Status

Valid Upto:

[Henceforth called the main contractor]

And

2]M/S [Name of the firm with full address]

Enlistment Status

Valid Upto:

[Henceforth, called Associated Electrical Contractor or Electrical Contractor]

For the execution of Electrical Work **Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Electrical Work) of an estimated cost of Rs.1.45 Lakh [Electrical Component only] as per schedule, specifications, terms and conditions of the tender**

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act [amended upto date] and the Institute can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MOU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MOU permits. In case of any dispute, either of us will go for mediation/arbitration by the Superintending Hospital Engineer. Any of us may appeal against the mediation/arbitration to the Director, PGIMER. His decision shall be final and binding on both of us.

We have agreed as under:

1. The electrical contractor will execute all electrical works in the wholesome manner as per terms and conditions of the agreement. Payment to the associated electrical contractor shall be governed vide para 20.1.11 & 20.1.12 at page no. 8 & clause 7 at page no. 24 of CPWD GCC 2023.
2. The electrical contractor shall be liable for disciplinary action if he failed to discharge the action[s] and other legal action as per agreement besides forfeiture of the security deposit.
3. All the machinery and equipments, tools and tackles required for execution of the electrical works, as per agreement, shall be the responsibility of the electrical contractor.
4. The site staff required for the electrical work shall be arranged by the electrical contractor as per terms and conditions of the agreement.
5. Site order book maintained for the said work shall be signed by the main contractor as well as by the Engineer of the Associated Contractor and by Associated Contractor himself.
6. All the correspondence regarding execution of the electrical work shall be done by the Department with the Associated Contractor with a copy to the main contractor. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated contractor shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.

SIGNATURE OF MAIN CONTRACTOR

Date:

Place

SIGNATURE OF ASSOCIATED
ELECTRICAL CONTRACTOR

Date

Place:

COUNTERSIGNED

HOSPITAL ENGINEER (ELECT.)
PGIMER, CHANDIGARH.

SPECIAL CONDITIONS FOR INTERNAL E.I WORKS

1. All hardware items such as screws, thimbles, G.I. Wires, etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
2. All hardware materials such as nuts/bolts/screws/washers etc. to be used in the work shall be zinc/cadmium plated iron.
3. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same. Color coding shall be done for conducts laid for different services as per direction of Engineer-in-charge.
4. While laying conduit, suitable junction boxes shall be left for pulling the wires.
5. PVC insulated copper conductor wire on the work shall be F.R.L.S grade.
6. Copper wire shall be multi-stranded conductor. Termination of multi-stranded conductors shall be done using crimping type thimbles at both the ends. Nothing extra shall be paid for the same.
7. While deciding the size of switch boxes for light point/fan points/exhaust fan point items, wherever fan regulators are to be provided, extra two modules will be provided for fan regulators (fan regulator is to be provided in separate item).
8. The earthing shall be carried out in the presence of the Engineer-in-charge or his authorized representative.
9. After completion of the installation, testing shall be carried out as provided in CPWD specifications. The contractor will have to furnish completion plans and completion certificate as per specifications.
10. The work shall be carried out strictly in accordance with CPWD latest Specifications for Internal and External Electrical Works as amended upto date and in accordance with latest Indian Electricity Rules 2005, Indian Electricity Act 2003 as amended upto date as per instructions of the Engineer-in-Charge including as below and nothing will be paid extra.
11. All material to be used on this work by the contractor shall be got approved from the Engineer-in-Charge before installation at site.
12. The contractor has to get the conduit layout approved from the Engineer-in-Charge prior to execution of the work. However the Engineer-in-Charge has the right to change the layout as per the site requirements and the contractor shall not have any claim due to change in layout.
13. All repairs & patch work shall be neatly carried out to match with the original finish & all damages caused to the building installation during the execution of work shall have to be made good by the contractor immediately at his own cost to the entire satisfaction of Engineer-in-charge. In case contractor fails to comply with the instructions of the Engineer-in-charge, Engineer-in-charge shall be at liberty to get the work done by any other agency and recover such amount as paid to the other agency from the bill(s) of the contractor. Contractor shall have no claim, whatsoever, on the extent of such amount.

14. The bad workmanship will not be accepted and defects shall be rectified at contractor's cost of the satisfaction of the Engineer-in-Charge. The programme of electrical works are to be co-ordinated in accordance with the building work.
15. All debris/malba resulting due to electrical work shall be removed on daily basis and completion of the work shall only be accepted after the site has been cleaned of all melba. In case, contractor fails to comply, the same shall be got removed by the other agency and the payment so made shall be recovered from the bill(s) of the .
16. Cement for this bonafide work is to be arranged and used by the contractor himself and nothing extra will be paid on this account.
17. The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.
18. The contractor shall make his own arrangement at his own cost for electrical/general tools and plants required for the work.
19. Main Board and Main Distribution board : The work shall be carried out according to the drawings / details as approved by the Engineer-in-Charge. The contractor shall have to get the samples approved before the whole lot is brought to site and it shall include all inter connections etc.
20. The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However if there is any delay in construction from the department side, the installation may be taken over in parts, but the decision on the same shall rest with Engineer-in-charge which shall be a binding on the contractor.
21. The connection & inter-connection shall be done by the contractor wherever required and nothing extra shall be paid on this account.
22. The position of points (light, fan, Exhaust fan), light plugs, power plugs etc., can be changed by the Engineer -in-charge according to the requirement at site. The contractor has to accept and execute the work accordingly without any extra cost.
23. The contractor shall provide junction boxes/ looping boxes of required sizes and such boxes shall be measured as part of conduit / batten wiring without any extra payment except M.S. adopter boxes.
24. For items of power plugs, 15 Amp socket shall be of universal 6 pin type.
25. All the hidden work shall be carried out in the presence of Engineer-in-charge or his representatives.
26. Adapter boxes wherever used shall be of not less than 16 SWG MS Sheet.
27. The contractor shall ensure that all the persons executing the electrical work have the valid electrical license, consequences arising due to the fault of contraction to comply with the above conditions would be contractor responsibility.
28. The telephone conduits shall be laid with GI fish wires kept, pulled in for pulling of wires, at least 1000mm extra at outlets.

29. Wherever ceiling roses are not required to be provided in the light/fan/exhaust fan points, due to site conditions, the contractor shall use suitable three pin connectors for which nothing extra shall be paid. Wiring shall be carried out with F.R.L.S wires.
30. Contractor shall provide polythene/PVC plastic cover for all MDB's/SDB's/DB's to protect them from rust/damages, during execution of work till the work is actually completed and handed over to the department.
31. The loose wire boxes/cable end boxes (adaptor boxes) shall be provided on the various electrical boards to facilitate the termination of the wiring in the various mountings. The boxes shall be of the same make as the DB's as far as possible. Wherever the company made cable end boxes are not available they shall be neatly fabricated with 16 SWG CRCA sheet steel, duly powder coated, dust & vermin proof and the front cover of MS sheet shall be with rubber gasket suitably screwed or with 3mm thick phenolic laminated sheet of Hylam/Formica instead of MS sheet, as desired by the Engineer-in-charge. The length of such boxes shall be same/or more as the width of the electrical switchboard. Such loose wireboxes are deemed included in the scope of the work and no extra payment shall be made for them.
32. The contractor shall have to make arrangements, at his own risk and cost, for transportation of materials from the point of issue of stores to site of work, if any.
33. Makes of all items that are not covered in the schedule of work/additional specifications shall be got approved from the Engineer-in-charge and shall conform to relevant Indian Standard as applicable.
34. The schematic diagram/dimensional drawings of the various electrical cubical panels shall be got approved from the Engineer-in-charge before fabrication and shall comply with latest CPWD specifications and Indian Electricity Rules. The panels shall conform to IS: 8623/1993. All panels shall be powder coated inside out, in shade approved by the Engineer-in-charge.
35. All floor-mounted panels shall be mounted on 100mm X 50mm X 5mm thick M.S. channel on all the sides. It shall have a continuous earth bus of the same size and material as the main phase running continuously along the length of the panel extending on either side for earth connection.
36. The doors of all cubicle panels shall be hinged type including those of bus bar chambers and cable alleys. The locking shall be with chrome plated metal key locks. All doors shall be earthed with copper conductor wire as approved by the Engineer-in-charge.
37. All model of modular accessories required for the work shall be got approved from the Engineer-in-charge from among the approved makes. The base plate shall be preferably in sheet steel or otherwise in unbreakable polycarbonate. The shades of the cover plates shall be approved by the Engineer-in-charge.
38. Contractor shall have to check the Site Order Book for any instructions of the Engineer-in-charge or his authorized representative and sign the site order book. He shall be bound to ensure compliance with the instructions recorded therein.
39. The MCCB's shall be compatible for reliable protection and accurate measurement. The rated Service breaking capacity (KA rms) shall be 100% of Ultimate breaking capacity (KA rms). All MCCB's shall be current limiting type with features as per relevant IS codes and CPWD specification.

40. MCCB's shall be used with terminal spreaders and all terminals shall be shrouded to avoid direct contact.
41. Mechanical Castle key interlock shall be provided among the incomer MCCB's, wherever, as applicable, two different incomer sources are provided in the panel as per the directions of the Engineer in charge. The same is deemed included in the scope of work.
42. All measuring and indicating instruments shall be protected through fuses/ MCB's and isolating switches.
43. General arrangement drawing of the switchboard shall be got approved from the Engineer-in-Charge before commencement of manufacturing.
44. For the items like LT panels, feeder pillars and accessories, etc, the firm shall arrange for inspection in the factory and provide for all facilities for testing. The cost of the visit of Engineer-in-Charge or his representative shall be borne by department. However, firm will be responsible for arranging the inspections as required.
45. Conduit layout as per switching arrangement shall be prepared by contractor and got approved from the Engineer-in-Charge before slab casting.
46. All CI/metal boxes & junction boxes should be cleaned properly and painted from inside before wiring & fixing the accessories.
47. In wiring items like point wiring / wiring for light/fan/call bell, the item includes the cost of conduit also.

Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh. (Composite Tender) (SH : Electrical Work)

SCHEDULE OF QUANTITY
(PART-B: ELECTRICAL WORK)

S.No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
(i)	3 x 1.5 sq. mm	Mtr	160.00	104.00	16640.00
(ii)	3 x 4 sq. mm	Mtr	120.00	222.00	26640.00
2	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
(i)	20 mm	Mtr	120.00	151.00	18120.00
(ii)	25 mm	Mtr	80.00	168.00	13440.00
3	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
(i)	12 Module (200mmX150mm)	Each	8.00	614.00	4912.00
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
(i)	5/6 A switch	Each	48.00	121.00	5808.00
(ii)	3 pin 5/6 A socket outlet	Each	8.00	136.00	1088.00
5	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	8.00	402.00	3216.00
6	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	16.00	47.00	752.00
7	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	Each	8.00	1258.00	10064.00
8	Dismounting of electrical installations (2 nos. light, 1 nos. geyser & 1 nos. exhaust fan) from site and re fixing at site after renovation work is completed. The job includes cost of manpower and cost of all petty material required to complete it like anchor fastner, nut/bolts, screws etc.	Job	8.00	706.00	5648.00

S.No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
9	Supplying, Installation, Testing and commissioning of Passive Infrared (PIR) technology based occupancy sensor having high performance, non regulating programmable type, suitable for connected load upto 10Amp , for mounting height up to 3 meter and for 5 m diameter coverage area along with necessary fixing arrangements i/c programming at site etc. complete as required.	Each	8.00	4896.00	39168.00
	Total				145496.00
10	Rebate on old dismantled material i.e old wires, switch/sockets , bakelite sheets etc.			LS	800.00
	Grand total				144696.00

Replacement of damaged water supply and sewerage pipes alongwith civil work including public health fixtures of Private Ward toilets (Room Nos. 1, 12, 12A & 19) at Level 5th D and leakage in Room Nos. 21, 28, 29 & 39 at Level 4th D, Nehru Hospital, PGIMER, Chandigarh.

(SH: Civil & Electrical work)

(COMPOSITE TENDER)

ABSTRACT OF COST

<i>S.No.</i>	<i>Part</i>	<i>Description</i>	<i>Total Amount carried over from the schedule of quantities (In Rs.)</i>
1	Part-A	Civil Work <i>(Carried forward from Page no. 37)</i>	946144.48
2	Part-B	Electrical Work <i>(Carried forward from Page no. 49)</i>	144696.00
		Grand Total	1090840.48

Percentage to be quoted by the agency: (In Figures)

(In Words)

Amount worked out by as per percentage quoted:

(In Figures)

(In Words)

- Note:**
- 1. This is a percentage rate tender, therefore, percentage is only to be quoted by the agency in figures on the amount mentioned in Schedule of quantity.**
 - 2. The percentage quoted should be inclusive of all taxes including GST etc. and nothing extra shall be paid on this account**

Hospital Engineer (Construction)
PGIMER, Chandigarh.