

SECTION-I	PRESS NOTICE	
-----------	--------------	---

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES BILASPUR HP,  
DEPARTMENT OF ENGINEERING,  
ELECTRICAL DIVISION**

**NOTICE INVITING e-TENDER**

The Executive Engineer (Electrical), AIIMS Bilaspur (HP) on behalf of the Executive Director AIIMS Bilaspur (HP) invites **Online Percentage Rate** from the enlisted contractors of CPWD / Department of Posts / **BSNL** / Railways / M.E.S./Municipal corporations / State PWD's/HIMUDA / HUDA / PUDA/HIMURJA / State Electricity Boards & Corporations dealing in **Electrical Works** in Two Bid system (Eligibility cum Technical & Financial Bid) for the following work:-

**NIT No.:** AIIMS/BLS/Engg./Elect./2024/001, **Name of Work:** Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electrical work) **Estimated Cost: Rs. 13.68 Lakh** Earnest Money Rs.27360/-, **Period of Completion:** One Month, **Last date and time of submission of bid:** 28.06.2024 upto 11:00 AM, **Last date & time for submission of Original EMD or EMD exemption certificate for MSE/MSME:** 29.06.2024 upto 11:00AM, **Date and time of opening of Eligibility bid:** 29.06.2024 at 11:30 AM.

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 E.E. (Electrical) as per above schedule failing which the bid shall be treated as invalid.


The tender forms and other details can be obtained from the website: <https://eprocure.gov.in/eprocure/app> and official website of the AIIMS BILASPUR (HP) [www.aiimsbilaspur.edu.in](http://www.aiimsbilaspur.edu.in). Press notice is also available on [www.eprocure.gov.in](http://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.**

Executive Engineer (Electrical),  
AIIMS Bilaspur (HP)

SECTION-II	CHECK LIST	
------------	------------	---

**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 11 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 FIGURES 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 RELEVANT WORKS UPLOADED ON THE WEBSITE OF AIIMS BILASPUR (HP), SPECIAL CONDITIONS OF CONTRACT ETC.
7. IT MAY BE NOTED THAT IN THE PRESENT CONTRACT CLAUSE NOS10C and 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	<b><u>Form- 6 FOR</u></b> <b><u>e TENDERING</u></b>	
-------------	--	---

1. Percentage Rate/Item Rate bids are invited on behalf of the Executive Director AIIMS Bilaspur (HP) from the approved/eligible enlisted contractors of CPWD / Department of Posts / BSNL / Railways / M.E.S./Municipal corporations / State PWD's/HIMUDA / HUDA / HIMURJA/PUDA / State Electricity Boards & Corporations dealing in Electrical/Mechanical/HVAC Works OR Composite works for the work of “ Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electrical work) “.
  2. 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.13.68 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. 5.47 Lakh** OR Two similar works each costing not less than **Rs. 6.84Lakh** OR One similar work costing not less than **Rs. 10.95 Lakh**. (**Similar work shall means “Internal electrical installation work”**)  
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 last date of submission of bids
      - 1.2.2 Valid electrical license issued by U.T. Electricity Department / any state electricity boards.
      - 1.2.3 Should have Certificate of Registration for GSTIN
      - 1.2.4 Should have valid PAN.
      - 1.2.5 **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:-**  
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 AIIMS Bilaspur(HP) 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 Earnest Money Deposit/Performance Guarantee. (**Scanned copy to be uploaded at the time of submission of bid**)
      - 1.2.6 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.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website [www.cpwd.gov.in](http://www.cpwd.gov.in) and with the Executive Engineer Electrical. Bidders shall quote his rates as per various terms and conditions of the said form subject to the exclusions / modifications uploaded on the official website of the Institute which will form part of the agreement.
3. The time allowed for carrying out the work will be **One Months** from the date of start as defined in Schedule-F or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. (i) The site for the work is available.  
(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 AIIMS Bilaspur HP [www.aiimsbilaspur.edu.in](http://www.aiimsbilaspur.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 percentage of any number of times 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 **Miscellaneous Fund All India Institute of Medical Science Bilaspur Himachal Pardesh**) 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 lac, 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 as scanned & uploaded shall be deposited physically by all the intending bidders in the office of E.E. (Electrical) before opening of Eligibility /Eligibility cum Technical bid failing which the bid shall be treated as invalid.**  
Copy of 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 (L-1) 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, whose Earnest Money Deposit found in order.  
*The MSME firms registered in NSIC under PP policy are exempted from payment of EMD for services only*  
The bid submitted shall be opened at 3:30 PM on 29.06.2024.
10. The bid submitted shall become invalid and e-tender processing fee (if applicable) shall not be refunded if:
  - (i) The bidder is found ineligible.

- (ii) The bidder does not upload all the documents including GST registration 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 physically as scanned & uploaded upto 3:00 PM on 29.06.2024.
- (v) If a tenderer quotes 'Nil' rates against each item in item rate tender or does not quote any percentage above/ below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
- (vi) If any condition is quoted in the tender (conditional tender) or any deviation is placed in the technical and commercial conditions.

11. The contractor whose bid is accepted, will be required to furnish performance guarantee of **5% (Five Percent)** of the bid amount 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.

The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee (PG). The PG shall be initially valid upto the stipulated period of completion plus sixty days beyond that. In case, the time for completion of work gets extended, the contractor shall get the validity of PG extended to cover such extended time for completion of work

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:

Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electricalwork).

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 Institute(if provided) and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the Executive Director AIIMS Bilaspur (HP) 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 Executive Director AIIMS Bilaspur (HP) 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 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 or in the ministry of Health & Family Welfare. 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 an 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 prior 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 bid or engagement in the contractor's service.
  18. The bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bids in case of single bid system and 75 (seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system. Further
    - I. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
    - II. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
    - III. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
  19. This Notice inviting bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority, shall within 15 days from the stipulated date of start of the work sign the contract consisting of:
    - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings etc., if any, forming part of the tender as issued at the time of invitation of bid and the rates quoted on-line at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
    - b) Standard Form 7/8 or other Standard Form as applicable.

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

- 20.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.
- 20.1.2 The tender 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 , exclusions / modifications if any alongwith amendments uploaded on the official website of the Institute upto last date of submission.  
**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 (Executive 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 1.2.12 (a & b) of DNIT.*
- 20.1.4 The eligible bidders shall quote percentage/item 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 Executive Engineer in charge of major component of the work shall issue letter of award on behalf of the Executive Director AIIMS Bilaspur (HP). After the work is awarded, the main contractor will have to enter into one agreement with Executive Engineer in charge of major component and has also to sign two or more copies of agreement depending upon number of Executive Engineer in charge of minor components. One such signed set of agreement shall be handed over to Executive Engineer in charge of minor component. Executive Engineer of major component will operate part A and part B of the agreement. Executive 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 tender including major and all minor components shall be executed under one agreement.
- 20.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 20.1.8 The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-Charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of relevant component(s)..
- 20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of relevant component(s). The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- 20.1.10 The main contractor has to enter into MoU with agency(s) associated by him . Copy of such MoU shall be submitted to Executive Engineer in charge of each relevant component as well as to Executive Engineer -in-charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.

- 20.1.11 Running payment for the major component shall be made by Executive 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. The CMB shall be maintained independently by Engineer-inCharge of major and minor components.
- 20.1.12 (a) The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.
- (b) Final bill of whole work shall be finalized and paid by the Executive Engineer of major component. Engineer in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the Executive Engineer of major component for including in the final bill for composite contract.
21. 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.
22. 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.
23. The contractor shall comply to the "Solid Waste Management Byelaws 2018" & "Construction & Demolition Rules 2016" including ammendments. 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,
24. The scope of work taken in this contract can be Increased / Decreased as per requirement of the AIIMS BILASPUR (HP).
25. 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.
26. The intending bidders are required to upload their bids well in advance of last date of submission of tender. Any issue related to uploading tender can be resolved through the concerned Executive Engineer (email id- engineering@aiimsbilaspur.edu.in) or NIC support email-id. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own intrest.

Executive Engineer (Electrical)  
AIIMS BILASPUR (HP).

<b>SECTION-IV</b>	<b>INFORMATION AND INSTRUCTIONS FOR BIDDERS</b>	
-------------------	---	---

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

The Executive Engineer (Electrical), AIIMS BILASPUR (HP) on behalf of the Executive Director AIIMS BILASPUR (HP) invites **online Percentage rate bids** from the enlisted contractors of appropriate class in CPWD / Department of Posts / BSNL / Railways / M.E.S./Municipal corporations / State PWD's/HIMUDA / HUDA / PUDA /HIMURJA/ State Electricity Boards & Corporations dealing in **Electrical works** on two bid system for the following work:-

1.	NIT No.	AIIMS/BLS/Engg./Elect./2024/001
2.	Name of work & Location	Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electrical work) <b>Ayush Block, AIIMS Bilaspur Himachal Pradesh</b>
3.	Estimated cost put to bid	<b>Rs. 13.68 Lakh</b>
4.	Earnest Money	Rs.27360/-
5.	Period of Completion	One Months
6.	Last date & time of submission of bid and other documents as specified in the press notice	28.06.2024 at 11:00 AM
7.	Last date & time for submission of Original EMD:	29.06.2024 at 11:00 AM
8.	Date &Time of opening of Eligibility bid	29.06.2024 at 11:30 AM

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. 5.47 Lakh** OR two similar works each costing not less than **Rs. 6.84 Lakh** OR one similar work costing not less than **Rs. 10.95 Lakh**. (**Similar work shall mean Internal Electrical installation works**).
  - b) Should have Valid Certificate of Registration for GSTIN.
  - c) Should have valid PAN.
  - d) Proof of valid electrical license issued from any State Electricity Licensing Boards/ U.T. Electricity Department.

The completion certificate should be certified by designated officer 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 AIIMS BILASPUR (HP) [www.aiimsbilaspur.edu.in](http://www.aiimsbilaspur.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 **Miscellaneous Fund All India Institute of Medical Science Bilaspur Himachal Pardesh** 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 in the schedule of Quantity. The column meant for quoting percentage in figures appears in pink colour and the moment percentage is entered, it turns sky blue. In addition to this for item rate tender, while selecting any of the cell a warning appears that if any cell is left blank the same shall be treated as '0'.  
Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as '0'. However, If a tenderer quotes 'Nil' rates against each item in item rate tender or does not quote any percentage above/ below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer
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. EMD or EMD exemption certificate for MSE/MSME as per detail given in Clause No. 9 at page 4 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. Valid electrical license as per detail given in Clause 1.2.2 at Page no. 3 of the DNIT.
- V. Affidavit on non-judicial stamp paper duly attested by a notary public or District magistrate as per detail given in Clause No. 1.2.5 at page 3 of the DNIT.
- VI. Status of firm as per detail given in Clause No. 11 at page 10 of the DNIT
- VII. Valid Certificate of Registration for GSTIN.
- VIII. Valid PAN card

Executive Engineer (Electrical)  
AIIMS BILASPUR (HP).

**Form- 7/8**

<b>SECTION-V</b>	<b>TENDER AND CONTRACT</b>	
------------------	----------------------------	---

**Percentage/item Rate Tender & Contract For Works**

**Tender for the work of:** Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electrical work).

- Date & time for submission of bid 28.06.2024 at 11.00 AM
- Date & time for submission of original EMD 29.06.2024 at 11.00 AM
- Eligibility Bid To be opened online on 29.06.2024 at 11.30 AM

**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. 27360/-** 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 **All India Institute of Medical Science Bilaspur Himachal Pradesh** payable at as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said the Executive Director, AIIMS BILASPUR (HP) 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 Executive Director AIIMS BILASPUR (HP) 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 AIIMS Bilaspur HP 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) \_\_\_\_\_

Signature:

Designation:

For & on behalf of the Executive Director,  
AIIMS BILASPUR (HP).

Dated \_\_\_\_\_

<b>SECTION-VI</b>	<b>INTEGRITY PACT</b>	
-------------------	-----------------------	---

To,

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

Sub: NIT No. AIIMS/BLS/Engg/Elect/2024/001 for the work of Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electrical work)  
 Dear Sir,

It is here by declared that AIIMS BILASPUR (HP) 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

Executive Engineer (Electrical)

To,

Executive Engineer (Electrical),  
Electrical Division,  
AIIMS BILASPUR (HP)

Sub: Submission of Tender for the work of Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electrical work)

Dear Sir,

I/We acknowledge that AIIMS BILASPUR (HP), 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 AIIMS BILASPUR (HP). 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, AIIMS BILASPUR (HP) 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 this .....day of .....20.....

**BETWEEN**

Executive Director AIIMS BILASPUR (HP), represented through Executive Engineer, (Electrical), AIIMS BILASPUR (HP),

(Hereinafter referred as the AIIMS Bilaspur HP Engineering department, Hospital Block-D Level-143, Village: Kothipura Tehsil: Sadar Distict: Bilaspur state: Himachal Pradesh-174001 '**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) ammendments issued thereof 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 (AIIMS Bilaspur HP) 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 AIIMS BILASPUR (HP), .

#### **Article 7- Other Provisions**

1) This Pact is subject to Indian Law, place of performance and jurisdiction is AIIMS Bilaspur HP, who has allocated the tender.

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 :

<b>SECTION-VII</b>	<b>PROFORMA OF SCHEDULE A TO F</b>	
--------------------	------------------------------------	---

**SCHEDULE ‘A’**

Schedule of quantities attached at Page No. \_\_\_\_\_ of DNIT

**SCHEDULE ‘D’**

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

**SCHEDULE ‘E’**

Reference to General Conditions of contract. CPWD General Condition of Contract 2023 for Original Works uploaded on the website of the Institute.

Name of Work : Supply Installation commissioning of medical gas pipeline (MGPS) extension work at AIIMS Bilaspur (Electrical work)

Estimated cost of work : **Rs. 13.68 Lakh**

Earnest Money : **Rs. 27360/-** (to be returned after receiving Performance guarantee)

Performance Guarantee : **5% of the tendered value**

Security Deposit: **2.5% of the tendered value**

**SCHEDULE ‘F’**

**GENERAL CONDITION OF CONTRACT**

**Officer inviting tender**

**Executive Engineer (Electrical)  
AIIMS BILASPUR (HP).**

**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:**

- |                 |   |   |
|-----------------|---|---|
| <b>2 (v)</b>    | <b>Engineer- in- charge</b>   | Executive Engineer (Electrical)<br>AIIMS BILASPUR (HP) .  |
| <b>2 (viii)</b> | <b>Accepting Authority</b>  | Executive Engineer (Electrical)/<br>Superintending Engineer (civil)<br>/ Executive Director/SFC<br>AIIMS Bilaspur (HP). |
| <b>2 (x)</b>    | <b>Percentage on cost of material and labour to cover all overheads and profits</b> | 15%   |
| <b>2 (xi)</b>   | <b>Standard Schedule of Rates</b>   | DSR 2022  |

**2 (xii) Department** Engineering section of AIIMS BILASPUR (HP)

**9 (ii) Standard contract Form** Form-7/8 as modified and corrected upto, CPWD General Conditions of Contract amended upto last date of submission for original/Maintenance works uploaded on the website of the CPWD/Institute.

**Clause 1**

(i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare Board or proof of applying there of from the date of issue of letter of acceptance. **7 days**

(ii) Maximum allowable extension **with late fee @ 0.1 % per day of performance guarantee amount** beyond the period provided in (i) above **3 days**

**Clause 2 Authority for fixing compensation under clause-2** **Superintending Engineer-Civil, AIIMS BILASPUR (HP),**

**Applicable Clause 2** **Yes**

**Clause 5** Number of days from the date of issue of letter of acceptance for reckoning date of start = 10 days  
Mile stones(s) as per table given below:-

S.No.	Description of Milestone (Physical/financial)	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 <sup>th</sup> 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 a to d. <b>Maximum amount to be with held shall not exceed 5% of tendered value of work.</b>
b)	50% of tendered value	1/2 of total time	
c)	75% of tendered value	3/4 <sup>th</sup> of total time	
d)	100% of tendered value	Full time	

**Time allowed for execution of work** One Months

**Authority to decide:**

(i) Extension of time : **Executive Engineer/ Superintending Engineer-Civil**

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

**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		_____days
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

<b>Clause 5</b>	Applicable clause 5 or 5A	Clause 5
<b>Clause 6</b>	Computerised Measure Book (CMB) / Electronic Measurement Book (EMB)	CMB
<b>Clause 7</b>	<b>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</b>	-----
<b>Clause 7A</b>	Whether clause 7A shall be applicable	Not Applicable
<b>Clause 10A</b>	List of equipments or testing equipments to be provided by the contractor at site lab.	
<b>10B(ii)</b>	Whether Clause 10 B (ii) shall be applicable	Not Applicable
<b>Clause 10C</b>	Component of labour expressed as percent of value of work =	Not Applicable
<b>Clause 10CC</b>	Applicable/ Not Applicable Schedule of component of other Materials, Labour etc. for price escalation. Component of Electrical /civil construction value of work. – Component of Labour - expressed as percent of total value of work.	Not Applicable  Xm ..... % Y ..... %

<b>Clause 11</b>	<b>Specifications be followed for execution of work.</b>	i) NIT Specifications. ii) Latest CPWD Specifications with amendments. iii) Bureau of Indian Standards wherever no such specifications exists in clause 11 S.No. i) & ii) above.
<b>Clauses 12</b>	<b>Authority to decide deviation upto 1.5 times of tendered amount</b>	Superintending Engineer-Civil AIIMS Bilaspur (HP)
	<b>Type of work</b>	Original works
<b>12.2 &amp; 12.3</b>	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work	No limit
<b>Clause 16</b>	<b>Competent authority for deciding reduced rates</b>	<b>Superintending Engineer-Civil, AIIMS BILASPUR (HP), .</b>
<b>Clause 18</b>	<b>List of mandatory machinery, tools &amp; plants to be deployed by the contractor at site/ manufacturing unit:-.</b>	<b>As per works requirement at site, NIT and as per the directions of Engg-In-charge.</b>
<b>Clause 19C</b>	<b>Authority to decide penalty for each default.</b>	Superintending Engineer-Civil AIIMS Bilaspur (HP)
<b>Clause 19D</b>	<b>Authority to decide penalty for each default.</b>	Superintending Engineer-Civil AIIMS Bilaspur (HP)
<b>Clause 19G</b>	<b>Authority to decide penalty for each default.</b>	Superintending Engineer-Civil AIIMS Bilaspur (HP)
<b>Clause 19K</b>	<b>Authority to decide penalty for each default.</b>	Superintending Engineer-Civil AIIMS Bilaspur (HP)

<b>Clause 25</b>		
(i)	<b>Conciliator</b>	Executive Director AIIMS Bilaspur (HP)
(ii)	<b>Arbitrator Appointing Authority</b>	Executive Director AIIMS Bilaspur (HP)
(iii)	<b>Place of Arbitration</b>	Bilaspur (HP)


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

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/non compliance
1.	Graduate Engineer OR Diploma Holder	Electrical/ Mechanical	Project manager cum Planning/ Quality / Site / Billing Engineer)	1	Nil	Rs. 15000/- Per Month per person

Assistant Engineers retired from Government services, 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.

Executive Engineer (Electrical)  
AIIMS BILASPUR (HP),

SECTION-VIII	<b>EXCLUSIONS / MODIFICATIONS IN CPWD GENERAL CONDITIONS OF CONTRACT 20__ (ORIGINAL/MAINTENANCE WORKS)</b>	
--------------	--	---

Exclusions / Modifications	
<b><u>CONDITIONS OF CONTRACT</u></b>	
i)	The word <b>President</b> / President of India and his successors wherever appears shall be read as the Executive Director, AIIMS BILASPUR (HP) and his successors.
ii)	The word <b>Government or Government of India</b> wherever appears shall be read as AIIMS BILASPUR (HP), .
iii)	The Engineer-in-charge means the Executive Engineer (Electrical) who shall supervise and be Incharge of the work and who shall sign the contract on behalf of the Executive Director, AIIMS BILASPUR (HP) as mentioned in Schedule 'F' hereunder.
iv)	<b>Department</b> shall means Engineering Department, AIIMS BILASPUR (HP) or any Division of AIIMS BILASPUR (HP) which invites tenders on behalf of Institute as specified in the Schedule 'F'.

On non-judicial stamp paper of minimum Rs. 100

Guarantee offered by Bank to AIIMS BILASPUR (HP) in connection with the execution of contracts)

**Form of Bank Guarantee for Earnest Money Deposit/Performance Guarantee/Security Deposit/Mobilization Advance**

1. Whereas as the Executive Engineer (Electrical) Electrical division AIIMS BILASPUR (HP) on behalf of the Executive Director AIIMS BILASPUR (HP) (hereinafter called “AIIMS BILASPUR (HP)”) has invited bids under ..... (NIT number)..... dated ..... for..... (name of work) ..... The AIIMS BILASPUR (HP) has further agreed to accept irrevocable Bank Guarantee for Rs. .... (Rupees ..... only) valid upto ..... dated \*..... as **Earnest Money Deposit** from ..... (name and address of contractor) ..... (hereinafter called “the contractor”) for compliance of his obligations in accordance with the terms and conditions of the said NIT.

**OR\*\***

Whereas the Executive Engineer (Electrical) Electrical division AIIMS BILASPUR (HP) on behalf of the Executive Director AIIMS BILASPUR (HP) (hereinafter called “AIIMS BILASPUR (HP)”) has entered into an agreement bearing number..... with ..... (name and address of the contractor) ..... (hereinafter called “the contractor”) for execution of work..... (name of work)..... The AIIMS BILASPUR (HP) has further agreed to accept an irrevocable Bank Guarantee for Rs. .... (Rupees..... only) valid upto ..... (date)..... as **Performance Guarantee/Security Deposit/Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, ..... (indicate the name of the bank) ..... (herein after referred to as “ the Bank”), hereby undertake to pay to the AIIMS BILASPUR (HP) an amount not exceeding Rs. .... (Rupees ..... only) on demand by the AIIMS BILASPUR (HP) within 10 days of the demand.
3. We, ..... (indicate the name of the Bank) ....., do here by undertake to pay the amount due and payable under this guarantee without any demure, merely on a demand from the AIIMS BILASPUR (HP) stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, out liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees ..... Only).
4. We, ..... (indicate the name of the Bank) ....., further undertake to pay the AIIMS BILASPUR (HP) any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before and Court or Tribunal relating thereto, out liability under this Bank Guarantee being absolute and unequivocal. The Payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.
5. We, ..... (indicate the name of Bank) ....., further agree that the AIIMS BILASPUR (HP) shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the AIIMS BILASPUR (HP) against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to said Contractor(s) or for any forbearance, act of omission on the part of the AIIMS BILASPUR (HP) or

any indulgence by the AIIMS BILASPUR (HP) to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for the provision, have effect of so relieving us.

6. We, ..... (indicate the name of the Bank) ....., further agree that the AIIMS BILASPUR (HP) at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the AIIMS BILASPUR (HP) may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
8. We, ..... (indicate the name of Bank) ....., undertake not to revoke this guarantee except with the consent of the AIIMS BILASPUR (HP) in writing.
9. This Bank Guarantee shall be valid up to ..... unless extended on demand by the AIIMS BILASPUR (HP) , Notwithstanding anything mentioned above, out liability against this guarantee is restricted to Rs. .... (Rupees ..... Only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all out liabilities under this guarantee shall stand discharged.

Dated .....

1. Signature .....  
Name and address

Authorized signatory

Name  
Designation  
Staff code no.  
Bank Seal

2. Signature.....  
Name and address

\*Date to be worked out on the basis of validity period of 75 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

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

**APPENDIX –XVII**

Reference of disputes and amount claimed for each dispute to the Conciliator,  
(Refer to Clause 25)

To,  
The Executive Director  
AIIMS Bilaspur (HP)

Subject: Claim for settlement of disputes through conciliation.

Ref : Agreement Number .....

Dear Sir,

In terms of clause 25 of the aforesaid agreement, particulars of which are given below. I/We hereby refer my / our disputes and amount claimed for each dispute to you for settlement in your capacity as Conciliator.

1. Name of Applicant.
2. Whether applicant is Individual/Proprietorship Firm/Partnership Firm/Company.
3. Full address of the applicant.
4. Name of the work and contract number for which conciliation is sought.
5. Name of the Division which entered into contract.
6. Contract amount.
7. Date of contract
8. Stipulated date of start of work.
9. Stipulated date of completion of work.
10. Actual date of completion of work (if completed).
11. Total Number of claims made.
12. Total amount claimed.
13. Date of intimation of final bill (if work is completed).
14. Date of payment of final bill (if work is completed).
15. Amount of final bill (if work is completed).
16. Date of claim made to Engineer-in-Charge.
17. Date of receipt of decision from Engineer-in-Charge.

I/We certify that the information given above is true to the best of my/our knowledge. I/We enclose the statement of claims with amount of the each claim.

Yours faithfully.

.....

Signature of applicant

(Only the person/authority who signed the  
Contract should sign here)

Copy to:

1. The Superintending Engineer-civil, AIIMS BILASPUR (HP).
2. The Executive Engineer, Electrical Division, AIIMS BILASPUR (HP).

**APPENDIX –XVIII**

**Notice for appointment of Arbitrator  
(Refer to Clause 25)**

To,  
The Executive Director  
AIIMS Bilaspur (HP),

Subject: Notice for appointment of Arbitrator for adjudication of disputes relating to agreement  
Number .....

Dear Sir,

In terms of clause 25 of the aforesaid agreement, particulars of which are given below. I/We hereby give you notice to appoint an Arbitrator for adjudication of disputes mentioned below.

1. Name of Applicant.
2. Whether applicant is Individual/Proprietorship Firm/Partnership Firm/Company.
3. Full address of the applicant.
4. Name of the work and contract number for which arbitration is sought.
5. Name of the Division which entered into contract.
6. Contract amount.
7. Date of contract
8. Stipulated date of start of work.
9. Stipulated date of completion of work.
10. Actual date of completion of work (if completed).
11. Total Number of claims made.
12. Total amount claimed.
13. Date of intimation of final bill (if work is completed).
14. Date of payment of final bill (if work is completed).
15. Amount of final bill (if work is completed).
16. Date of claim made of Engineer-in-Charge.
17. Date of receipt of decision from Engineer-in-Charge.
18. I/We hereby give consent for appointment of Arbitrator of MoHFW/MoHUA. Waiver agreement as per Appendix-XIX is enclosed.

OR

I/We do not give consent for appointment of Arbitrator of MoHFW/MoHUA.

I/We certify that the information given above is true to the best of my/our knowledge. I/We enclose the following documents.

1. Statement of claims with amount of each Claim.
2. Agreement of waiver of Section 12(5) of the Arbitration and Conciliation Act, 1996 in Appendix-XIX.  
( Strikeout if not applicable).

Yours faithfully,

.....

Signature of applicant  
(Only the person/authority who signed the  
Contract should sign here)

Copy to:

1. The Superintending Engineer-civil, AIIMS BILASPUR (HP).
2. The Executive Engineer, Electrical Division, AIIMS BILASPUR (HP).

**APPENDIX –XIX**

Agreement towards waiver of Section 12(5) of Arbitration & Conciliation Act 1996(Ammendments issued thereof)  
(Refer to Clause 25)

1. Whereas certain disputes have arisen between M/s.....  
(claimants) and M/s ..... (respondents) relating to agreement No.....
2. And whereas the parties are aware that Shri ..... is on the cadre of  
AIIMS BILASPUR (HP): presently on deputation as Arbitrator, Ministry Of Health & Family  
Welfare/Ministry of Housing and Urban Affairs, Government of India.
3. I/We agree for the appointment of Shri ..... as the sole  
Arbitrator for adjudication of the disputes, and we hereby waive the applicability of Section  
(12(5) of the Arbitration & Conciliation Act., 1996.


Signature

(Only the person/authority who signed the  
Contract should sign here)

Name .....

Date: .....

(The name of the Arbitrator, Ministry Of Health & Family Welfare/ Ministry of Housing and Urban  
Affairs, Government of India may be enquired from the Engineer-in-Charge, if required.)

<b>SECTION-IX</b>	<b>ADDITIONAL TERMS AND CONDITIONS OF CONTRACT</b>	
-------------------	--	---

1. The successful tenderer must submit the original Integrity pact of the DNIT as uploaded after LOI.
2. AIIMS BILASPUR (HP) 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 Bilaspur (HP) 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 AIIMS BILASPUR (HP). 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 at a later stage on account of ignorance of site conditions whatsoever may be.

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

The contractor shall submit SLD, 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 Executive Engineers of the Institute, he may stop issue/participation of/in 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 Executive Director AIIMS BILASPUR (HP) 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 AIIMS BILASPUR (HP) 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 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 laying of conduit & wiring, laying of cables , ducting and piping work, walls and floor finishes 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 Junior Engineer/Assistant Engineer/Executive Engineer electrical or 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.
18. The contractor shall also abide by all the applicable statutory obligations necessitated for performance/execution of the work and indemnify AIIMS Bilaspur HP against any such claims.

Executive Engineer (Electrical)  
AIIMS BILASPUR (HP),


<b>SECTION-X</b>	<b>SPECIAL CONDITIONS FOR INTERNAL ELECTRICAL INSTALLATION WORKS</b>	
------------------	--	---

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 conduits 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 to 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 malba/debris. 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 contractor .
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 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, however the payment would be made based on actual executed quantities of relevant items.
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 contractor to comply with the above conditions shall be solely attributable to the contractor.
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, the shade shall be got 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.

<b>SECTION-XII</b>	<b>LIST OF APPROVED MAKES AND SCHEDULE OF QUANTITIES  (ELECTRICAL WORK)</b>	
--------------------	---	---

S.no.	Details of equipment/ material	Make/Manufacturer
1.	MCBs / RCCB/Isolators / RCBO	Hager (NCN) / Legrand (DX3) / Schneider (ACTI-9) / Siemens( Betagard)
2.	Wires and PVC cable 1.1KV	KEI/ Havells/ Polycab / Bonton/ RR Kable/L&T
3.	Race ways / Floor trunking / wall channels/ uPVC Wall Trunking & their accessories	Legrand/ Schnieder/ OBO Bettermann
4.	Fiber Optical Cable/ Cat 6/Cat 6A /PatchCords / Patch Panel / LIU& accessories	Legrand/ Schneider(Actassi)/ Beldon/ Systimax/ Pandnit/Molex/R&M
5.	Glands and Lugs / Thimbles Long Barrel	Dowell's (Biller India)/Hax Brass (Copper Alloy India)/3D
6.	PVC Conduit, PVC Raceways, PVCCasing/capping	BEC/ AKG/ NIC / Anchor/Diplast
7.	Network Switch	Alcatel/ H.P /Cisco /Extreme/ Nortel
8.	Network Rack/ Cable Manager	Vall rack/President/ Legrand / Netrack
9.	DB	Hager / Legrand / Schneider / Siemens

**Note:**

1.	The contractor will use one of the approved makes as mentioned above with prior approval in writing from Engineer-in-charge. The technical submittal for the same shall be submitted for approval.
2.	In case of different quality / pattern of same make, the pattern/ quality shall be approved by Engineer – in – charge.
3.	For materials/equipment/ to be used in items of work for which approved makes are not given herein above, the makes & models of such materials /equipment shall be as approved by Engineer –in-charge.
4.	DB's and MCB should be of same make.
5.	MCB breaking capacity should greater than or equal to 10KA.
6.	The wiring connections to be made through terminal block & installation connectors.

E.E.(ELECT.)  
AIIMS Bilaspur HP

**SCHEDULE OF QUANTITY**

<b>Name of Work: Supply, installation, commissioning of Medical Gas pipeline System (MGPS) Extension work at AIIMS Bilaspur HP (Electrical Work)</b>					
<b>S. No</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate ( Rs)</b>	<b>Amount</b>
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 2.5 sq.mm	1500	mtr.	137	205500
ii)	3 X 4 sq.mm	1500	mtr.	206	309000
2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
i)	20 mm	100	mtr.	128	12800
ii)	25 mm	500	mtr.	145	72500
iii)	32 mm	300	mtr.	184	55200
3	Supplying and drawing of ULP 4 pair CAT 6 LAN cable in the existing surface / recessed steel/PVC conduit as required.				
i)	1 run of cable	1500	mtr.	57	85500
4	Supplying and fixing following rating, four pole, 415V isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
i)	40 A	1	no.	970	970
ii)	63 A	1	no.	1034	1034
5	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
i)	6 way(4+18), Double door	1	no.	4974	4974
6	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
i)	Single Pole	46	no.	256	11776
7	Supplying and fixing following rating, four pole, (three phase and neutral), 415 Volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the				

	existing MCB DB complete with connections, testing and commissioning etc. as required.				
i)	40 A	1	no.	3188	3188
ii)	63 A	1	no.	2872	2872
8	Laying and fixing of one number PVC sheathed/XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
i)	Upto 35 sq. mm (clamped with 1mm thick saddle)	200	mtr.	55	11000
9	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required.				
i)	4 X 10 sq. mm (25 mm)	4	each	269	1076
10	Supplying FRLS PVC insulated copper conductor, power cable of 1.1 KV grade of following sizes				
i)	4 core 10 Sqmm	200	mtr.	717	143334
11	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	200	mtr.	127	25400
12	SITC of 24-port networking PoE switch 10/100/1000 Base-T-port and support for 2SFP+ or more uplink ports (should support SX, LX, SR and LR) with dedicated out of band management and console port. Switch should have option for External/Internal redundant power supply. The switch should support a minimum of 128 Gbps of switching fabric capacity with 95 Mpps forwarding capacity at wire rate. Switch should have at least 1 GB RAM & at least 1 GB flash for efficient performance.	2	no.	123791	247581
13	Supply, Installation Testing and commissioning of Category 6, 24 port unloaded patch panel . Patch Panel should have integral cable management shelf complete in all respect as per specification attached.	2	no.	2619	5239
14	Supply, Installation, Testing and commissioning of 1-U Cable Manager PVC duct type including all hardware accessories.	2	no.	492	983
15	Supply and fixing OFC patch cord LC-LC SM OS2 LSZH 1 Mtr complete in all respect .	2	no.	2062	4124
16	Supply, installation, testing and commissioning of Category 6, 4 pair 24 AWG stranded copper patch cords complete in all respect as per specification attached for below length.				
i)	1 meter	32	no.	236	7564

ii)	2 meter	32	no.	253	8100
17	Supply of Optic fibre OS 2 - Loose tube Outdoor steel tape armoured – 12 Core cable as per specification attached etc as required complete in all respect.	80	mtr.	103	8223
18	Supply and fixing of Line Interface Unit (LIU) rack mounted in 1U 12 PORT, LOADED with 3 duplex LC type single mode adaptors ,6 Nos pigtailed SC Single mode 9/125, 900 micron 1.5 mtrs, blank inserts & splice holder etc. complete in all respect	2	no.	11440	22881
19	Supply, installation, testing & commissioning of fibre Optic module LR 1310 NM in Network Switch for connection with LIU by patch cord complete in all respect upto entire satisfaction of EIC.	2	no.	18835	37670
20	Supply and fixing of 9U wall mounted modular fully loaded rack complete with all accessories as required.	1	no.	14424	14424
21	Supply and fixing OFC core Splicing Complete in all respect.	24	no.	421	10108
22	Laying of one number OFC Cable in HDPE/PVC pipe as required.	80	mtr.	27	2160
23	Termination of CAT 6 with existing I/O socket on the bed head pendent including connections, ferruling, marking, testing and commissioning with Calibrated Penta Scanning report complete in all respect.	32	no.	50	1600
TOTAL					1316781.22
Add GST @ 6% (MF 0.0633)					50816.61
Net total					<b>₹ 1,367,598</b>

E.E.(ELECT.)  
AIIMS Bilaspur HP