



## अखिल भारतीय आयुर्विज्ञान संस्थान, नागपुर

### ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NAGPUR

Office of Superintending Engineer, Plot No – 2, Sector – 20, MIHAN, Nagpur– 441108

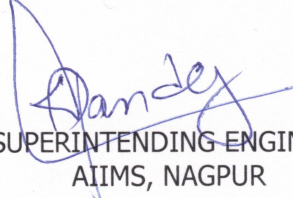
Email: - [se@aiimsnagpur.edu.in](mailto:se@aiimsnagpur.edu.in)

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#### NOTICE INVITING e-TENDER

E-Tender No.	: 03/AIIMS/NAG/SE/2022-23
Name of Work	: Setting up of Eye Bank in OPD building at AIIMS Nagpur. (2 <sup>nd</sup> Call)
Estimated Cost	: Rs. 17,48,442/-
Earnest Money	: Rs. 35,000/-
Performance Guarantee	: 3% of Tender Value.
Security Deposit	: 2.5% of Tender Value.
Time Allowed	: 03 (Three) Months.
Publish Date	: 24/12/2022 at 13:00 Hrs.
Bid Document Download	: 24/12/2022 at 13:05 Hrs.
Bid Submission Start Date	: 25/12/2022 at 09:00 Hrs.
Bid Submission End Date	: 09/01/2023 at 11:00 Hrs.
Technical Bid Opening Date	: 10/01/2023 at 11.00 Hrs.

Certified that this N.I.T. Contains 01 to 46 Pages (One to Forty Six)

  
SUPERINTENDING ENGINEER  
AIIMS, NAGPUR

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Name of work: Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call).

NIT No.: 03/AIIMS/NAG/SE/2022-23

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Certified that this bid document contains pages 1 to 46 (One to Forty Six) excluding front Cover Page

Superintending Engineer  
AIIMS, Nagpur

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NAGPUR**  
**NOTICE INVITING e-TENDER**

The Superintending Engineer, Plot No-02, Sec-20, MIHAN, AIIMS, Nagpur (07103-299455, email : [se@aaimsnagpur.edu.in](mailto:se@aaimsnagpur.edu.in)) on behalf of The Director, AIIMS, Nagpur invites Item Rate Bids from **Agency having experience in carrying out similar work** who fulfill the Pre Qualification criteria in Two Bid System for the following work:

**N.I.T. No. : 03/AIIMS/NAG/SE/2022-23**

**Name of Work :- Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)**

**Estimated Cost :- 17,48,442/- (including 18% GST)**

**Earnest Money :- Rs. 35,000/-**

**Security Deposit :- 2.5% of the Tendered Value**

**Performance Guarantee :- 3% of the Tendered Value**

**Period of completion :- 03 (Three) Months.**

**Last date and time of submission of bid : 09/01/2023 at 11.00 Hrs.**

Bids shall be submitted online only at CPPP website <https://eprocure.gov.in/eprocure/app>.

Tenderer/Contractor/Bidders are advised to follow the instructions provided in the 'Instructions to the service providers/ Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>.

**Instructions for Online Bid Submission:**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<https://eprocure.gov.in/eprocure/app>.

**Registration**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

**Searching for Tender documents**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS /e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

**Preparation of Bids**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- 3) Number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 4) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS /JPG formats. Bid documents may be scanned with **100 dpi** which helps in reducing size of the scanned document.
- 5) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted

from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

### **Submission of bids**

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the light blue coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the file name. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- 4) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 5) The documents being submitted by the bidders would be encrypted using PKI encryption all techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key.
- 6) Further this key is subjected to asymmetric encryption using buyers/bid opener’s public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

### **Assistance to bidders**

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk number 0120-4200462, 0120-4001002.

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING  
FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE  
(APPLICABLE FOR INVITING BIDS ON TWO BID SYSTEM)**

The Superintending Engineer, Plot No-02, Sec-20, MIHAN, AIIMS, Nagpur (07103-299455, e-mail [se@aiimsnagpur.edu.in](mailto:se@aiimsnagpur.edu.in), CPPP website: <https://eprocure.gov.in/eprocure/app>) invites Item Rate Bids from Agency having experience in carrying out similar work who fulfill the Pre Qualification criteria in Two Bid System for the following work:

SI. No.	NIT No.	Name of Work & Location	Estimated Cost Put to bid	Earnest Money	Period of Completion	Last date & Time of Submission of bid, copy of receipt for deposition of original EMD and other documents as specified in the press notice.	Time & date of opening of Technical bid
1	<b>03/AIIMS/NAG/SE/2022-23</b>	Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call).	Total = Rs. 17,48,442/- (including 18% GST)	Rs.35,000/-	03 (Three) Months	Upto 11.00 PM on 09/01/2023	At 11.00 PM on 10/01/2023

1. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
  - a. The Bidder should have satisfactorily completed the works as mentioned below during the last Seven years ending last date of the month previous to the one in which tenders are invited shall only be considered. For this purpose the cost of work shall mean Gross Value of completed work.

- i. One similar completed works each costing not less than 80% of the estimated cost put to tender :**13.99 Lakhs** OR
- ii. Two similar completed works each costing not less than 60% of the estimated cost put to tender :**10.50 Lakhs** OR
- iii. Three similar completed works each costing not less than 40% of the estimated cost put to tender :**7.00 Lakhs**

Similar work means “**Building or Renovation works**” 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.

- b. **Certificate of Financial Turn over:** The Bidder should have had average annual financial turnover of **8.75 Lakhs** and at the time of submission of bid contractor may upload certified from C.A on the format prescribed in **Form “A”**. mentioning Financial Turnover of last 3 consecutive years ending 31<sup>st</sup> March 2021, and further details if required may be asked from the contractor after opening of technical bids.
2. The intending bidder must read the terms and conditions 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 part 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 CPPP website <https://eprocure.gov.in/eprocure/app> .
  5. ~~Pre-bid conference will be held on 05/11/2022 at time 11.00 Hrs. via video conference in the office of the Superintending Engineer, Engineering Department, Ground Floor, IPD building, AIIMS Nagpur to clear the doubt of intending bidders, if any. After pre-bid conference, modifications if required in the bidding documents and clarifications to the queries raised by intending bidders will be issued to all participating bidders by Engineer-in-charge by e-mail. Same will also be uploaded on the website. Intending bidder require to write e-mail to se@aiimsnagpur.edu.in for participating pre bid meeting.~~
  6. The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs. 35,000/-** by way of demand drafts or Bank Guarantee only. **The Demand Drafts or Bank Guarantee shall be drawn in favour of “The Director, AIIMS Nagpur”**. The EMD of the successful bidder shall be returned after the successful submission of Bank Guarantee/ Security Deposit and for unsuccessful bidder(s) it would be returned after award of the contract. The original demand drafts or Bank Guarantee for EMD must deliver to AIIMS, Nagpur on or before the Date & Time of Bid Opening.

Bidder shall not be permitted to withdraw his offer or modify the terms and conditions thereof. In case the Bidder fail to observe and comply with stipulation made herein or backs out after quoting the rates, the aforesaid amount of earnest money will be forfeited.

If MSME firm is registered with following agencies for tendered item then they are exempted for submission of EMD only.

- (i) District Industries Centres.
- (ii) Khadi & Village Industries commission.
- (iii) Khadi & Village Industries Board.
- (iv) Coir Board.
- (v) Central / State PSU’s
- (vi) Small Industries Corporation (NSIC).
- (vii) Directorate of handicraft & Handlooms.
- (viii) Any other body specified by Ministry of MSME (Ministry of Micro, Small & Medium Enterprises).

If MSME’s who are interested in availing these benefits will have to attach with their offer the proof of their beings MSE’s registered with any of the above-mentioned agencies.

The earnest money will be returned/refund to the unsuccessful tenderers after the tender is decided.

EMD should remain valid for a period of 45 days beyond the final bid validity period. When the tenderer agrees to extend the validity of bid, he shall also extend the validity of EMD suitably.

7. 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.
8. The intending bidder must have valid **Class-II / Class-III digital signature** to submit the bid.
9. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
10. Contractor can upload documents in the form of **JPG** format and **PDF** format.
11. Please take due care while scanning the documents so that the size of documents to be uploaded remains minimum. If required, documents may be scanned at lower resolutions say at **100 dpi**. However, it shall be sole responsibility of bidder that the uploaded documents remain legible.
12. Contractor must ensure to enter Name of Firm in the dedicated cells and quote Item rate on total value of work with selection. The column meant for entering Name of Firm and quoting item rate in figures appears in "light Blue Color". In addition to this, while quoting rate, if the cell is left with blank, the same shall be treated as "0" (ZERO). However, if a tenderer quotes nil rates against each item in item rate tender any section / subhead in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
13. The pre qualification bid will be opened first on due date and time as mentioned above. The time & date of opening of financial bid of contractors qualifying the eligibility bid will be communicated to them a later date.
14. When bids are invited in two 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.
15. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
16. Copy of work experience and other documents as specified in the bid document shall be scanned and uploaded to the e-Bidding website within the period of bid submission. However, certified copy of all scanned and uploaded documents as specified in bid document shall have to be submitted physically by the lowest bidder within 7 days after opening of Financial bid in the office of the Superintending Engineer, AIIMS, Nagpur.
17. **Technical Bid Documents to be scanned and uploaded within the period of bid submission:**
  - (i) Copy of EMD either in the form of Demand Draft or Bank Guarantee or EMD Exemption certificate in case of MSME.
  - (ii) Last 3 years Financial Turnover certified by CA. Details to be filled in **Form "A"** as per turnover certificate.
  - (iii) Details of eligible similar nature of works completed during the last 7 years (in **Form B**)
  - (iv) Performance report / Certificates of work experience, to be issued by competent Authority to issue experience certificate.
  - (v) Structure and Organization in (**Form C**)
  - (vi) Certificate of registration for **GST**.
  - (vii) Copy of **PAN Card** issued by Income Tax Department.
  - (viii) Certificate by MSME / Udyam Aadhar Memorandum / Any other body specified by Ministry of MSME (Ministry of Micro, Small & Medium Enterprises) if any.
  - (ix) Checklist duly signed.

**SECTION- I****BRIEF PARTICULARS OF THE WORK**

1. Salient details of the work for which bids are invited are asunder:

Sl.no.	Name of work	Estimated cost		Period of completion
1.	Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)	Civil and Works	E&M Rs. 17,48,442.00 (including 18% GST)	03 Months

2. The work is situated at **AIIMS, NAGPUR.**

**SECTION-II**  
**INFORMATION & INSTRUCTION FOR BIDDERS**

**1) General :**

- 1.1 All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a "nil" or "no such case" entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as "not applicable". The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms may result in the bid being summarily disqualified. Bids made by telegram or telex and those received late will not be entertained.
- 1.2 The bid should be type-written. The bidder should sign each page of the application.
- 1.3 Overwriting should be avoided. Correction, if any, should be made by neatly crossing out, initialing, dating and rewriting. Pages of the eligibility criteria document are numbered. Additional sheets, if any added by the contractor, should also be numbered by him. They should be submitted as a package with signed letter of transmittal.
- 1.4 References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by an officer not below the rank of Superintending Engineer or equivalent.
- 1.5 The bidder may furnish any relevant additional information which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of eligibility criteria document unless it is called for by the Employer.

**2) Definitions:**

- 2.1 In this document the following words and expressions have the meaning hereby assigned to them.
- 2.2 **Employer:** Means the **Director, AIIMS, Nagpur**, acting through the **Superintending Engineer, AIIMS, Nagpur**.
- 2.3 **Bidder:** Means the individual, proprietary firm, firm in partnership, limited company private or public or corporation.
- 2.4 **"Year"** means "Financial Year" unless stated otherwise.

**3) Method of application:**

- 1.1 If the bidder is an individual, the application shall be signed by him above his full type written name and current address.
- 1.2 If the bidder is a proprietary firm, the application shall be signed by the proprietor above his full type written name and the full name of his firm with its current address.
- 1.3 If the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full type written 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 accompany the application. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.
- 1.4 The tender which is not duly signed by authorized signatory or with conditions shall be treated as non-responsive and shall be summarily rejected.

**4) Final decision making authority.**

The employer reserves the right to accept or reject any bid and to annual the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders.

**5) Site visit**

The bidder is advised to visit the site of work, at his own cost, and examine it and its surroundings to collect all information that he considers necessary for proper assessment of the prospective assignment.

**6) Initial criteria for eligibility**

6.1 The Bidder should have satisfactorily completed works during the last Seven years ending ending last date of month **previous to the one in which tenders are invited shall only be considered**. For this purpose cost of work shall mean gross value of the completed work. This should be certified by an officer not below the rank of Superintending Engineer /Project Manager or equivalent.

One similar work costing not less than **Rs. 13.99 Lakhs**.

Two similar works each costing not less than **Rs. 10.50 Lakhs** OR

Three similar works each costing not less than **Rs. 7.00 Lakhs** OR

**Similar work shall mean works of "Building or Renovation works".**

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

6.2 The bidder should have had average annual financial turn over (gross) of **Rs. 8.75 Lakhs** on building & renovation works, during the last Three consecutive years, Year in which no turnover is shown would also be considered for working out the average.

6.3 The bidder should have sufficient number of Technical and Administrative employees for the proper execution of the contract. The bidder shall have to submit a list of these employees stating clearly how these would be involved in this work within **15 days** of award of work.

**7) Evaluation criteria**

The details submitted by the bidders will be evaluated in the following manner:

7.1 The initial criteria prescribed in para 6 above in respect of experience of eligible similar works completed, financial turn over etc. will first be scrutinized and the bidder's eligibility for the work be determined.

**8) Financial information**

Bidder should furnish the following financial information:  
Annual financial statement for the last three year in **(Form "A")**.

**9) Experience in works highlighting experience in similar works**

Bidder should furnish the following:  
List of eligible similar nature of works successfully completed during the last seven years in **(Form "B")**.

**10) Organization information**

Bidder is required to submit the information in respect of his organization in **(Forms "C")**

**11) Opening of Price bid**

After evaluation of applications, a list of short listed agencies will be prepared. Thereafter the financial bids of only the qualified and technically acceptable bidders shall be opened at the notified time, date and place in the presence of the qualified bidders or their representatives.

The bid shall remain valid for **75 days from the opening of eligibility bids**.

**12) Award criteria**

13.1 The employer reserves the right, without being liable for any damages or obligation to inform the bidder, to:

- a. Amend the scope and value of contract to the bidder.
- b. Reject any or all the applications without assigning any reason.

13.2 Any effort on the part of the bidder or his agent to exercise influence or to pressurize the employer would result in rejection of his bid. Canvassing of any kind is prohibited.

13.3 After due evaluation of the bid(s) AIIMS, Nagpur will award the contract to the lowest evaluated responsive tenderer. Conditional bid will be treated as unresponsive and will be rejected.

**13) Arbitration :**

If any difference arises concerning this agreement, its interpretation on payment to the made there-under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision by an Arbitral Tribunal containing Sole Arbitrator to be appointed by the Secretary, Department of Legal Affairs. Such requests shall be accompanied with a panel of names of three persons to act as the sole arbitrator. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of **Arbitration and Conciliation Act, 1996** and the rule framed there under and in force shall be applicable to such proceedings.

**Superintending Engineer**  
**AIIMS, Nagpur**

**FORM "A"**  
**FINANCIAL INFORMATION**

1. Financial Analysis – Details to be furnished duly certified by the Chartered Accountant.

<b>Financial years</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
<b>Gross Annual Turn Over</b>			
<b>Average Annual Financial Turnover</b>			

Signature of Chartered Accountant  
With Seal and UDIN No.

Signature of Bidder(s)

**FORM "B"**

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS  
ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDERS**

Sr. No	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of Commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending/ in progress with details*	Name and address/ telephone number of officer to whom reference may be made	Whether the work was done on back to back basis Yes/ No
a	b	c	d	e	f	g	h	i	j
1.									
2.									
3.									
4.									
5.									
6.									
7.									

Signature of Bidder(s)

**FORM "C"**  
**STRUCTURE & ORGANISATION**

- 1) Name & postal address of the bidder
- 2) Telephone no./Telex no./Fax no./Mobile No.
- 3) E-mail ID-
- 4) Legal status of the bidder (Scan & upload copies of original document defining the legal status)
  - (a) An Individual
  - (b) A proprietary firm
  - (c) A firm in partnership
  - (d) A limited Company or Corporation
- 5) Particulars of registration with various Government Bodies (Scan & upload attested photocopy)

**Organisation/Place of registration****Registration No.**

- (i)
- (ii)
- (iii)
- 6) Names and titles of Directors & Officers with designation to be concerned with this work.
- 7) Designation of individuals authorized to act for the organization
- 8) Has the bidder, or any constituent partner in case of partnership firm, limited company / Joint Venture, ever been convicted by the court of Law? If so, give details
- 9) In which field of Civil Engineering construction the bidder has specialization and interest?
- 10) Any other information considered necessary but not included above.

Signature of Bidder(s)

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NAGPUR

## Notice Inviting e-Tender

1. The Superintending Engineer, Plot No-02, Sec-20, MIHAN, AIIMS, Nagpur (email : [se@aaimsnagpur.edu.in](mailto:se@aaimsnagpur.edu.in)) on behalf of Director, AIIMS, NAGPUR invites Item Rate Bids from Agency having experience in carrying out similar work who fulfill the Pre Qualification criteria in Two Bid System for the following work of **“Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)”**

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 of **Rs. 17,48,442/- (including 18% GST)** This estimate, however, is given merely as a rough guide.
- 1.2 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:-
2. **Criteria of eligibility for submission of bid documents**
- 2.1. **Criteria of eligibility:**
  - 2.1.1. One similar work each costing not less than 80% of the estimated cost put to tender : **13.99 Lakhs** OR
  - 2.1.2. Two similar works each costing not less than 60% of the estimated cost put to tender : **10.50 Lakhs** OR
  - 2.1.3. Three similar works costing not less than 40% of the estimated cost put to tender : **7.00 Lakhs.**

In last 7 (Seven) Years ending previous day of Last date of submission of Bids.

**Similar work shall mean works of “Building or Renovation works”.**

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

- 2.1.4 The bidder should have had average annual financial turn over (gross) of **Rs. 8.75 Lakhs** on building & renovation works, during the last Three consecutive. Year in which no turnover is shown would also be considered for working out the average.
- 2.1.5 The bidder should have sufficient number of Technical and Administrative employees for the proper execution of the contract. The bidder shall have to submit a list of these employees stating clearly how these would be involved in this work within **15 days** of award of work.
- 2.2. 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. Similar work means **Building or Renovation works.**
3. Agreement shall be drawn with the successful bidders on prescribed **Annexure II**. Bidder shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
4. The time allowed for carrying out the work will be **03 Months** from the date of start as defined in tender 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.
5. The site for the work is available.  
The architectural, drawings for the work are available.
6. 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 from CPPP website <https://eprocure.gov.in/eprocure/app> . free of cost.
7. After submission of the bid the contractor can re-submit revised bid any number of times but before last date and time of submission of bid as notified.

8. While submitting the revised bid, contractor can revise the quoted rates but before last date and time of submission of bid as notified.
10. Demand draft or Bank Guarantee against EMD drawn in favour of **The Director, AIIMS Nagpur** shall be scanned and uploaded to the e-Tendering website within the period of bid submission.
11. Copy of Enlistment Order/ Registration of Firm and certificate of work experience and other documents as specified in the bid document 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 bid document shall have to be submitted by the lowest bidder only within a week physically in the office of Superintending Engineer, AIIMS, Nagpur.

**The bid submitted shall be opened at 11:00 AM on 10/01/2023.**

12. **The bid submitted shall become invalid if:**
  - a) The bidder is found ineligible.
  - b) The bidder does not upload original EMD along with the bid documents & submit Original EMD in hard copy before the bid submission end date.
  - c) The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the copy of EMD.
  - d) 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.
  - e) If a tenderer quotes nil rates against each item in item rate tender or does not quote any rate for item of the tender or any section /sub head in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
13. The contractor whose bid is accepted will be required to furnish performance guarantee of **3% (Three Percent)** of the bid amount within the period specified in Annexure III. 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 Annexure III including the extended period if any, bidder shall be suspended for One Year and shall not be eligible to bid for AIIMS Nagpur Tender from date of issue of suspension order and the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

**The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No if applicable.**

14. The description of the work is as follows:-

**“Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)”**

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

15. The competent authority on behalf of the **Director, AIIMS Nagpur** 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.

16. 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.
17. The competent authority on behalf of **Director, AIIMS Nagpur** reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
18. The contractor shall not be permitted to bid for works in the AIIMS Nagpur responsible for award and execution of contracts, in which his near relative is posted as Group A/ B officer or as an officer in any capacity between the grades of Director 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 Group A/ B officer in the AIIMS Nagpur . Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
19. The bid for the works shall remain open for acceptance for a period of **Seventy Five (75) days** from the date of opening of Technical bid in case bids are invited on two envelop system (strike out as the case may be). If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the AIIMS, Nagpur shall without prejudice to any other right or remedy to blacklist the contractor for **One year**. Further the bidder shall not be allowed to participate in the re-bidding process of the work.
20. Copy of work experience and other documents as specified in the bid document shall be scanned and uploaded to the e-Bidding website within the period of bid submission. However, certified copy of all scanned and uploaded documents as specified in bid document shall have to be submitted physically by the lowest bidder within 7 days after opening of Financial bid in the office of Superintending Engineer, AIIMS, Nagpur.
21. 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 **07 days** from the stipulated date of start of the work, sign the contract consisting of : -
  - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence & negotiation leading thereto.

Superintending Engineer,  
AIIMS Nagpur

ANNEXURE – ‘A’

PROFORMA FOR DEPOSITION OF EARNEST MONEY DEPOSIT

**Receipt of deposition of Original EMD**

(Receipt No. .... / date ..... )

**1. Name of work: - Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)**

2. NIT No.: **03/AIIMS/NAG/SE/2022-23**

3. Estimated Cost Rs.: 17,48,442/-

4. Amount of Earnest Money Deposit: Rs. 35,000/-

5. Last date of submission of bid: 09/01/2023

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1. Name of contractor ..... #

2. Form of EMD ..... #

3. Amount of Earnest Money Deposit ..... #

4. Date of submission of EMD ..... #

Signature, Name and  
Designation  
Of EMD receiving  
officer  
Along with Office stamp

On non- Judicial stamp paper of minimum Rs. 100

Annexure 'B'

Form of Performance guarantee / Bank guarantee bond

In consideration of the Director, AIIMS Nagpur (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between ..... and.....(Hereinafter called "the said Contractor(s)") for the work..... (Hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs..... (Rupees..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, .....(Herein after referred to as "the Bank")..... hereby undertake to pay to **The Director, AIIMS Nagpur** and amount not exceeding Rs..... (Rupees.....Only) on demand by the Government within 10 days of the demand.
2. We, .....(indicate the name of the Bank)..... do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from The Director, AIIMS Nagpur stating that the amount claimed as 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, our liability under this guarantee shall be restricted to an amount not exceeding Rs (Rupees..... only).
3. We, .....(the said bank) .....further undertakes to pay the Director, AIIMS Nagpur any money so demanded not withstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond 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.
4. We, ..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Director, AIIMS Nagpur under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in- Charge on behalf of the Director, AIIMS Nagpur certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, ..... (indicate the name of the Bank) further agree with the Director, AIIMS, Nagpur that the Director, AIIMS Nagpur shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder 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 Director, AIIMS Nagpur 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 the said Contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Director, AIIMS Nagpur to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We, ..... (indicate the name of the Bank) ..... further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

- 7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
- 8. We, ..... (Indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Director, AIIMS Nagpur inwriting.
- 9. This guarantee shall be valid up to .....unless extended on demand by the Director, AIIMS Nagpur. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. .... (Rupees .....) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Date .....

Witnesses:

- 2. Signature .....  
Name and address
  
- 3. Signature .....  
Name and address

Authorized signatory  
 Name  
 Designation  
 Staff code no.  
 Bank seal

**CHECKLIST FOR TECHNICAL BID**

<b>Sr. No.</b>	<b>Details of Mandatory Documents to be uploaded</b>	<b>Checked / Attached (Yes/No)</b>
1	Copy of EMD either in the form of Demand Draft or Bank Guarantee or Exemption certificate in case of MSME.	
2	Last 3 years Financial Turnover certified by CA. Details to be filled in <b>Form "A"</b> as per turnover certificate	
3	Details of eligible similar nature of works completed during the last 7 years (in <b>Form B</b> )	
4	Performance report / Certificates of work experience, to be issued by Competent Authority to issue experience certificate.	
5	Structure and Organization in ( <b>Form C</b> )	
6	Certificate of registration for <b>GST</b> .	
7	Copy of <b>PAN Card</b> issued by Income Tax Department.	
8	Certificate by MSME / Udyam Aadhar Memorandum / Any other body specified by Ministry of MSME (Ministry of Micro, Small & Medium Enterprises) if any.	

Date:-

Name:-

Place:-

Address:-

Signature of Bidder:

Seal of the Bidder:

(Scanned copy to be uploaded at the time of submission of bid along with the technical bid)

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NAGPUR****Item Rate Tender & Contract for Works**

- (A) Tender/bid for the work of: - **“Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)”**
- (i) To be submitted/uploaded online by **11:00 Hours on 09/01/2023** to **Superintending Engineer, AIIMS, Nagpur.**
- (ii) To be opened in presence of tenderers/bidders who may be present at **11:00 Hours on 10/01/2023** in the office of **Superintending Engineer, AIIMS, Nagpur.**

**TENDER**

I/We have read and examined the notice inviting tender, schedules, specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the **Director, AIIMS Nagpur** within the time specified tender / schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions.

I/We agree to keep the tender open for **Seventy Five (75) days** from the due date of opening of technical bid and not to make any modification in its terms and conditions.

A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be). If I/We, Fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said Director, AIIMS Nagpur or his successors, in office shall without prejudice to any other right or remedy, be at liberty **to take action to debar me/us.** Further, if I/WE fail to commence work as specified, I/We agree that Director, AIIMS, Nagpur or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in clause of the tender form. **Further, I/we agree that in case of forfeiture of performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.**

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

Dated.....

Signature of Contractor

Postal Address

Witness:

Address:

Occupation:

**(To be filled in by the contractor/Witness as applicable)**

**ACCEPTANCE**

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the **Director, AIIMS Nagpur** for a sum of (Rupees \_\_\_\_\_)

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

- a)
- b)
- c)

For & on behalf of the Director, AIIMS Nagpur

Signature .....

Dated.....

Designation.....

### Clauses of Contract

**Clause 1** - The contractor whose bid is accepted will be required to furnish performance guarantee of **3% (Three Percent)** of the bid amount within the period specified in Annexure III. 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 Annexure III including the extended period if any, bidder shall be suspended for One Year and shall not be eligible to bid for AIIMS Nagpur Tender from date of issue of suspension order and the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

The Performance Guarantee shall be initially valid up to the stipulated date of completion plus minimum 60 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work, the performance guarantee shall be returned to the contractor, without any interest.

**Clause 2** - The time allowed for execution of the Works as specified in the Annexure III or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from such time period as mentioned in Annexure III or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, the performance guarantee shall be forfeited by the Engineer in Charge and shall be absolutely at the disposal of the Government without prejudice to any other right or remedy available in law.

If the work(s) be delayed by:-

- (i) force majeure, or
- (ii) abnormally bad weather, or
- (iii) serious loss or damage by fire, or
- (iv) civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or
- (v) delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract, or
- (vi) any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control.

then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works. The contractor shall have no claim of damages for extension of time granted

**Clause 3** - Engineer-in-Charge shall, except as otherwise provided, ascertain and determine by measurement the value of work done in accordance with the contract.

All measurements of all items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works performed under the contract. All such measurements and levels recorded by the contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the contractor from the Engineer-in-Charge or his authorized representative as per interval or program fixed in consultation with Engineer-in-Charge or his authorized representative. After the necessary corrections made by the Engineer-in-Charge, the measurement sheets shall be returned to the contractor for incorporating the corrections and for resubmission to the Engineer-in-Charge for the dated signatures by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance.

**Clause 4** - The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

**Clause 5** - The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

ANNEXURE III**SCHEDULE 'A'**

Schedule of quantities

**Enclosed****SCHEDULE 'D'**

Extra schedule for specific requirements/

Documents for the work, if any.

Particular Specifications, Drawings  
& Special Conditions**SCHEDULE 'E'**

Name of work:

Setting up of Eye Bank in OPD  
building at AIIMS Nagpur (2nd Call)

Estimated cost of work:

**Rs. 17,48,442/- (including 18% GST)**

(i) Earnest money:

**Rs. 35,000/-**

(ii) Performance guarantee:

**3% of tendered value**

(iii) Security Deposit:

**2.5% of tendered value****SCHEDULE 'F'****General Rules & Directions:**

Officer inviting tender-

**Superintending Engineer, AIIMS,  
Nagpur**Maximum percentage for quantity of  
items of work to be executed beyond  
which rates are to be determined in  
accordance with market rates**25%****Definitions:**

2(v) Engineer-in-Charge

**Executive Engineer, AIIMS, Nagpur**

2(viii) Accepting Authority

**DIRECTOR, AIIMS Nagpur**

2 (x) Standard schedule of Rates

Delhi Schedule of Rates (DSR) -Civil –  
DSR 2021 with upto date correction  
slip. Electrical & Mech. -DSR 2019  
with upto date correction slip.

2 (xi) Department

**AIIMS NAGPUR****Clause 1**

- (i) Time allowed for submission of performance guarantee, program chart (Time & Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or

proof of applying thereof : from the date of issue of letter of acceptance.

: 07 days.

- (ii) Maximum allowable Extension with late fee @ 0.10% per day of performance guarantee Amount beyond the period as provided in (i) above

: 07 days.

### Clause 2

No. of days from the date of issue of letter of acceptance for reckoning date of start

: 07 days.

Time allowed for execution of work:

: 03 (Three) Months

### Authority to decide

- (i) Extension of Time  
(ii) Shifting of date of start in case of delay in handing over of site

Superintending Engineer, AIIMS, Nagpur

Superintending Engineer, AIIMS Nagpur

### Clause 3

Clause applicable

Computerized MB

### Clause 4

Specifications to be followed for execution of work:

CPWD General Specifications for Civil Works Part I & II 2019, Electrical Works Part I Internal-2013, HVAC-2017, amended up to the date of bid submission.

### Clause 5

Authority to decide deviation

Director,  
AIIMS, Nagpur.

Superintending Engineer,  
AIIMS, Nagpur

**PARTICULAR SPECIFICATION, DRAWINGS & SPECIAL CONDITIONS**

**Name of work: "Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)"**

**GENERAL/TECHNICAL**

1. The contractor shall take necessary instructions from the Engineer-in-charge before starting the work at site.
2. The contractor shall take instructions from the Engineer-in-charge for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls are to be constructed.
3. Any work carried out without the approval of the officer-in-charge at site of work shall not be accounted and will not be paid.
4. Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing shall be payable to him on this account.
5. The contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by the Government. Sample of any material to be used shall get approved by the officer-in-charge before using at site
6. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions including issue of identity cards to all persons authorized by him to do work / visit the work site and nothing shall be payable on this account.
7. Water and electricity will not be supplied by institute / organization. However if requested by the contractor in writing and available with the organization, it may provide with necessary charges.
8. The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor (s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed, so as not to interfere with the operations of other contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of Engineer-in-Charge. The contractor shall be responsible for any damage due to hindrance caused by him.
9. Stacking of materials including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required at any stage shall have to be done by the contractor at his own cost.
10. No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.
11. Only Star headed Stainless Steel screws shall be used unless otherwise specified.
12. Work shall be carried out in professional manner with finished product serving the intended purpose with specified strength, durability and aesthetics.
13. Work activities shall be executed in well thought out sequences such that consequent activities not adversely affecting previously done work. Nothing extra shall be payable to protect the works already done.
14. The contractor shall prepare all the needed shop drawings well in advance and get them approved before placing the order and execution of the item.

15. The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the contractor shall ensure that all the trucks or vehicles of any kind which are used for construction Engineer-in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer - in -Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications.
16. The contractor shall not store /dump construction material or debris on metalled road.
17. The contractor shall get prior approval from Engineer-in-charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic / inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
18. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes / or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that en route their destination, the dust, sand or any other particles are not released in air / contaminate air.
19. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
20. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.
21. The contractor shall compulsory use of wet jet in grinding and stone cutting.
22. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.
23. In the case of discrepancy between the schedule of Quantities, the specifications and/or the works, the following order of precedence shall be observed.
  - (i) Description of item in the Schedule of Quantities.
  - (ii) Particular Specifications and special conditions, if any
  - (iii) C.P.W.D Specifications.
  - (iv) Specifications of B.I.S
24. The measurements for the work executed will be done as per the actual work done on site with respect to each item as specified in schedule of quantities. The work executed shall be maintained in a dairy and and to be put up to Engineer-in-charge whenever demanded. (Format shall be provided by the department)
25. In case if due to any alteration, additional or substituted work which the contractor may be directed to do in the manner specified as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work where deviation limit for individual contract items shall be 25% of the contract quantity.
26. The department shall be at liberty to discontinue / cancel agreement by serving one week notice without any reason thereof.
27. The works shall be carried out complying in all respects with the requirements of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.
28. No labour below the age of eighteen years shall be employed on the work. The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages

as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.

29. It is not binding on the competent authority to accept the lowest or any other tender and any or all the tenders received can be rejected without assigning any reason.
30. In case of delay on the part of the agency, penalty @ ½% per week of the total order value will be deducted from the contractor's bill subject to maximum of 10 % without prejudice to other terms & conditions of the order.
31. Any error in description, quantity or rate in schedule of Quantities or any omission there from shall not vitiate the contract or release the contractor from the execution of the whole or any part of the works comprised therein according to the specifications or from any of his obligations under the contract. All such variations, errors additions, substitutions etc shall be decided as per the terms of the contract
- 32. Deviation in schedule of quantities and extra items.** The Engineer-in-Charge shall have power.
- i) To make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work
  - ii) To omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions shall form part of the contract as if originally provided therein and any altered, additional work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.
  - iii) The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows:
    - a. In the proportion which the additional cost of the altered, additional, bears to the original tendered value plus.
    - b. 25% of the time calculated in (a) above or such further additional time as may be considered reasonable by the Engineer-in-Charge.
  - iv) In the case of extra item(s) items that are completely new, and are in addition to the items contained in the contract), the contractor may submit market rate claim rates, supported by proper analysis which shall include invoices, vouchers etc. and Manufacturer's specification for the work failing which the rate approved later by the Engineer- in charge shall be binding and the Engineer-in-Charge after receipt of the claims supported by analysis and giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined, failing which it will be deemed to have been approved.
- 33. Defect Liability Period:** If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within twelve after handing over or otherwise of its completion shall have been given by the Engineer-in-Charge as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit or the proceeds

of sale thereof or of a sufficient portion thereof. The security deposit of the contractor shall not be refunded before the expiry of twelve months after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

34. The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, survey with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting continuous training for all the workers, barriers, preparatory works, construction of clean, hygienic and well ventilated workers housings in sufficient numbers as per drawing supplied by Engineer in charge, working during monsoon or odd season, working beyond normal hours, working at all depths, height, lead, lift, levels and location etc. and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts.
35. The bidder shall quote their rates considering all prevalent taxes/ cess like GST, Workers Cess or any other tax on material /work as applicable and nothing extra shall be paid to the contractor on this account. The department shall deduct Workers Cess or any other tax as applicable, from the R/A bills & final bill. **However, the contractor shall pay GST to the concerned authorities directly.** TDS as applicable shall be deducted from all bills of contractor.
36. Contractor has to be submit the GST compliant Bill showing work done and GST component separately.
37. No foreign exchange shall be made available by the Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.
38. All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, completion certificates from local bodies etc., protection works, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in-Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement & other storage, fabrication yard, site laboratory, water tank etc.
39. For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). No claim whatsoever shall be entertained on this account, not with-standing the fact that the Contractor may have to pay extra amounts for any reason, to the laborers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.
40. All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.
41. Any damage to the existing installation/ equipment/ work shall be the responsibility of the contractor and should be repaired immediately on his own cost for which nothing extra shall be paid by the department.

**42.** As the work to be carried out as in occupied hospital building, proper care to be taken by the agency by issuing ID cards etc. to the workers for identification.

**43. CLEANLINESS OF SITE**

The Contractor shall not stack building material / malba / muck/ rubbish on the land or road of the local development authority or on the land owned by the others, as the case may be. So the muck, rubbish etc. shall be removed periodically as directed by the Engineer-in-Charge, from the site of work to the approved dumping grounds as per the local byelaws and regulations of the concerned authorities and all necessary permissions in this regard from the local bodies shall be obtained by the Contractor. Nothing extra shall be payable on this account. In case, the Contractor is found stacking the building material / malba as stated above, the Contractor shall be liable to pay the stacking charges / penalty as may be levied by the local body or any other authority and also to face penal action as per the rules, regulations and bye-laws of such body or authority. The Engineer –in-Charge shall be at liberty to recover, such sums due but not paid to the concerned authorities on the above counts, from any sums due to the Contractor including amount of the Security Deposit and performance guarantee in respect of this contract agreement.

**44. INSPECTION OF WORK**

In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by the senior officers of AIIMS, Nagpur in addition of the Engineer-in-Charge and his authorized representative. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer-in-Charge or other officers as stated above to visit the works shall have been given to the Contractor, either himself be present to receive the orders and instructions or have a responsible Site Engineer duly accredited in writing, to be present for that purpose Senior Officers of AIIMS, Nagpur Authorities shall be inspecting the on-going work at site at any time with or without prior intimation.

**45. SAFETY MEASURES AT CONSTRUCTION SITE**

In order to ensure safe construction, following shall be adhered for strict compliance at the site:-

- I. The work site shall be properly barricaded.
- II. Adequate signages indicating 'Work in Progress – Inconvenience caused is regretted' or Diversion Signs shall be put on the sites conspicuously visible to the public even during night hours. These are extremely essential where works are carried out at public places in use by the public.
- III. The construction malba at site shall be regularly removed on daily basis.
- IV. All field officials and the workers must be provided with safety helmets, safety shoes and safety belts.
- V. Proper MS pipe scaffoldings with work – platforms and easy-access ladders shall be provided at site to avoid accidents. Necessary First-Aid kit shall be available at the site. The above provisions shall be followed in addition to the provisions of General Condition of Contract.

**LIST OF APPROVED MATERIALS (CIVIL)**

Note:

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

<b>Sr. No</b>	<b>Materials</b>	<b>Brand/Make</b>
1.	Doors & Windows fixtures/ Fittings	Dorma, Godrej, Arkay, Hafele, Ozone, Hettich
2.	Door Closer / Floor spring	Dorma, Godrej, Dorset, D-Line, Hardwyn
3.	Aluminium Sections.	Hindalco, Jindal, Indal
4.	Clear Glass/ Clear Float Glass/ Toughened Glass	Saint Gobain, Asahi, Pilkington, Glaverbel, Modi Guard
5.	Laminates	Greenlam, Merino, Formica, Kitply, Century
6.	Synthetic Enamel Paints	Asian, Berger, ICI, Nerolac
7.	Oil Bound Distemper	Asian, Berger, ICI, Nerolac
8.	Cement Paint	Snowcem plus, Asian, Berger
9.	Plastic Emulsion Paint	Asian, Berger, ICI, Nerolac
10.	Other Paints/Primers	Asian, Berger, ICI, Nerolac, Shalimar
11.	OPC 43 Grade Cement (Conforming to IS 8112)	ACC, Ultratech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement & J.K.Cement
12.	Reinforcement Steel (TMT Bars)	SAIL, RINL, TISCO
13.	Glass Mosaic Tiles	Bissazza, Mridul, OpioMosaica, Paladio, Italia
14.	MS Pipe/ Sections	Jindal, Tata, SAIL
15.	Polycarbonate Sheets	GE Plastic, Gallina (USA), Macrolux (UK)
16.	Wooden Fire Check Doors	Navair, Pacific, Sukriti
17.	Metal Fire Check Doors	Navair. Shaktimet, Godrej, Pacific, Sukriti
18.	Admixtures for concrete.	CICO, Fosroc, Sika, MC-Bouchemie, Pidilite, BASF, STP
19.	Ceramic Tiles	Kajaria, Somany, RAK
20.	Pre-Laminated Particle Board	Greenlam, Duro, Merino Kitlam, Century, Action, Tesa
21.	Flush Door Shutters	Greenply, Duro, Kitply, Century
22.	White Cement	JK White, Birla White
23.	Powder Coating Material Pure Polyester	Nerolac, Berger, J&N
24.	Stainless Steel Screws For Fabrication and fixing of Windows.	Kundan, Pooja, Atul
25.	Dash Fasteners/Anchor bolts, Cramps	Hilti, Fischer, Bosch, Canon
26.	Stainless Steel Friction Stay	Earl-Bihari, Securistyle, Hafele, Hettich
27.	Weather Silicon	Dow Corning, Wacker, G.E.
28.	Structural Silicon at butt joints	Dow Corning, Wacker, G.E.
29.	Water proofing Compound	CICO, Fosroc, MC-Bouchemie, BASF, Pidilite, Sika
30.	Reflective Glass	Saint Gobain, Asahi, Glaverbel, Modiguard
31.	Door Locks/Latches	Dorma, D-Line, Harrison, Yale, Hettich, Godrej
32.	Aluminium Grill	Hindalco, Jindal, Bhoruka

Sr. No	Materials	Brand/Make
33	Vitrified Tiles	Kajaria, Somany, Naveen, RAK
34	Aluminium Cladding sheets	Alucobond or equivalent
35	Stainless steel D-handles	D-Line, Dorma, Dorset, Giesse, Ozone, Hettich, Hafele
36	Stainless Steel Railing/ pipe/ sheet	Jindal, SAIL
37	Structural Steel	TATA, SAIL, RINL
38	Ready Mix Concrete	ACC, Ultratech, L&T, Lafarge
39	Epoxy Flooring/ wall coating	Fosroc, BASF, STP, Sika, Dr Beck
40	Acoustic Mineral Fibre	Armstrong, USG, Hunter Douglas, Dexune
41	Fire Panic bar/ hinges	Dorma, D-Line, Briton, Becker FS
42	Plywood/ Block Board	Greenply, Kitply, Merino, Duro, Century
43	PVC Flooring	Gerflor, Tarkett, Armstrong, Forbo, DLW, Ligna
44	Fire Seal	Pemco, Lorient, Astroflame
45	Fire rated door closer/Mortice Lock/ Door Co-ordinator	Dorma, D-Line, Briton, Becker FS
46	Gypsum Board System	Gyproc (Saint Gobain), USG, Boral
47	Adhesive for Wood Work	Fevicol, Vemicol, Dunlop, Pidilite
48	Epoxy/PU Paint	Fosroc, Pidilite, Cico, BASF, Sika, Berger, Nerolac
49	Glass Doors (Motorised)	Dorma, Hafele, Ozone, Besam, Hettich
50	Automaticaaly Hermetically Sealed Sliding (OT) Door	Metaflex, SHD Italia, Stryker
51	Calcium silicate boards/ Tiles	Hilux, Aerolite, Armstrong
52	Texture Paints	Asian, Berger, Nerolac, ICI Dulux, Snowcem
53	Wall care putty	JK, Birla
54	Frameless glass partition fixtures/ Spider fittings/ patch fittings	Dorma, Sevax, Geze, Ozone, Hafele, Hettich
55	U-PVC Windows	Fenesta or approved equivalent
56	Toilet Cubicles	GreenlamSturdo, Merino, Trespa
57	Agencies for PT Slab work	Ultracon Structural Systems Pvt. Ltd., GP Spiro Duct & Tube Gurgaon, BBR (India)Pvt. Ltd Bangalore, VSL India Pvt ltd Chennai
58	Fire rated Glass	Saint Gobain, Pilkington, Schott, Pyroguard
59	Fibre Glass Rigid Board	FGP Ltd., UP Twiga, Kimmco
60	Mineral Wool/ Rockwool	Rockwool India Pvt. Ltd., Lloyd
61	Heat Resistance Tile	Thermatek, National
62	Bitumen	Indian Oil, Hindustan Petroleum
63	AAC Block, Fly ash brick, pavers, kerb stone, 3D wall	As approved by Engineer In charge
64	Stainless Steel Door Handles, Locks and Fittings	Dorma, Hafele, Geze, Hettich, Ozone, Godrej
65	Acid/ Alkali Resistant Tile	Somany, Kajaria
66	Acrylic Exterior Paint	Asian, Berger, ICI Dulux, Nerolac, J&N
67	PVC Door frame and Shutters	Rajshri, Sintex
68	Metal False Ceiling	Armstrong, Durlum, Saint Gobain
69	Tendons for PT slab	TATA, Usha Martin

LIST OF APPROVED MAKES : PLUMBING WORKS		
1.	Vitreous China Sanitary ware	Kohler, Roca, Jaquar, TOTO, Falcon
2.	Vitreous China Sanitary ware - Low End	Parryware, Hindware, Kohler, Roca, Jaquar, TOTO, Falcon
3.	Stainless Steel Sink	Jayna, Neelkanth, Nirali, Selam Steel
4.	Plastic Seat Cover	Kohler, Roca, Jaquar, TOTO, Falcon
5.	Geyser	Racold, Usha Lexus, Jaquar,
6.	C.P. Fittings Mixer/Pillar taps Washers, C.P. brass accessories ,CP Angle Valve, Bibcocks, CP waste	Kohler, Roca, Jaquar, TOTO,
7.	C.P. Fittings Mixer/Pillar taps Washers, C.P. brass accessories CP Angle Valve, Bibcocks, CP waste ware - lower End	Kohler, Roca, Jaquar, TOTO,
8.	Centrifugally /Sand cast iron pipes & fittings	Neco, SKF, HEPCO
9.	G.I. Pipes	Jindal-Hissar, Tata, Prakash-Surya
10.	G.I. Fittings	Unik, K.S., Zoloto,
11.	Gunmetal Valves	Zoloto, Leader, Castle,Sant
12.	Brass stop & Bib Cock/Pressure Release valve	Kohler, Roca, Jaquar,TOTO, Falcon
13.	Ball valve with floats	Zoloto, Leader, Sant,
14.	Stoneware pipes & Gully Traps	IS Marked pipes, as approved by Engineer-in-inch.
15.	R.C.C. pipes	IS Marked pipes, as approved by Engineer-in-inch.
16.	C.I. Manhole Covers	SKF, Neco, BIC, HEPCO
17.	Water Tank	Sintex,
18.	Mirror	Atul, Modi guard, Asahi, Saint,Gobain
19.	Hand drier	Kopal, Euronics, Utech
20.	PVC Rain Water Pipes.	Supreme, Prince, Finolex,
21.	D.I Pipe	Jindal, Tata, Electrosteel,
22.	Sluice valve / NRV	Kilburn, Zoloto, Leader, L&T,Castle
23.	Water supply pumps	Crompton (CG), GRUNDFOS,KSB,Kirloskar
24.	DI Manhole Cover	SKF,NECO,BIC
25.	Submersible pumps	GRUNDFOS,KSB,Kirloskar
26.	PVC/UPVC pipes & fittings	Supreme, Prince, Finolex,

**LIST OF APPROVED MATERIALS (E & M)**

<b>Sr. No</b>	<b>Materials</b>	<b>Brand/Make</b>
1.	PVC insulated copper conductor Wire/ Cable	Polycab/Finolex/RR Kabel
2.	Metal clad Socket outlets With boxes	L & T /Hager/ Siemens/ Schneider/ABB/ Legrand /HPL
3.	Modular Switches & sockets Outlets	Legrand-Myrius or Anti bacterial/L&T Oris/ Schneider -Livia / Philips
4.	MCB distribution Boards	L &T/Hager/Legrand/ Siemens/ Schneider/GE /Havells/Philips
5.	RCCB/MCB	L & T / Legrand-DX3/ Siemens / Schenider –Acti 9/GE/Hager/Philips/Havells
6.	LED light fitting & Fixture	Philips / GE/ Crompton Greaves
7.	UTP 4 Pair CAT 6 LAN Cable	Legrand / AMP/ Systimax/ Mollec
8.	M.S Conduit & Accessories	BEC/ AKG/ Steel Kraft
9.	RJ 45 Socket Outlet	Legrand / AMP/ Systimax/ Mollec
10.	Copper conductor PVC insulated wires, Co-axial , Telephone wires & cables	Finolex/ Havells/ L&T/ RR cable/ Skytone / Rallison
11.	PVC Casing-Capping	Supreme/Prince/Finolex/AKG
12.	Cable Tray	OBO/ Legrand/ Cooper/BEC
13.	Adressable Type Smoke Detector	Honeywell-Notifier/Edward/Bosch/ Siemens
14.	Response Indicator	Honeywell-Notifier/Edward/Bosch/ Siemens
15.	XLPE insulated & PVC sheathed aluminium/ copper conductor armoured power cable.(ISI marked)	Polycab/ RR kable / Havells/Finolex/KEI/ Gloster / Universal/ CCI
16.	Lugs/ Ferrules	Dowells/ Jainsons/Grip well
17.	Brass compression gland	Commet /Dowells/ Jainsons
18.	PVC Tape	Steel Grip
19.	Split AC	Carrier /Hitachi/Daikin/O-general/ Toshiba/ Mitsubishi
20.	Copper Pipe	Hariom Metals/Mandev/Rajco
21.	Insulation	Armacell Vedo Flex/ K-Flex/ A-Flex.

**SCHEDULE OF QUANTITIES****Name of Work :- "Setting up of Eye Bank in OPD building at AIIMS Nagpur (2nd Call)"**

Sr. No.	Description of Item	Quantity	Unit	Rate	Amount (₹)
(A)	<b>CIVIL Works</b>				
1	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases above plinth level up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20%: 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%)	0.30	cum		
2	Centering and shuttering including strutting, propping etc. and removal of form for :				
2.1	Lintels, beams, plinth beams, girders, bressumers and cantilevers	2.00	sqm		
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level				
3.1	Thermo-Mechanically Treated bars of grade Fe-500D or more	5.00	kg		
4	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab all colour and texture except black, Cherry/ Ruby red				
4.1	Area of slab over 0.50 sqm	11.00	sqm		
5	"H" type Stainless Steel (304 grade) stain finished pull handle of approved fixing accessories, wood and metal doors. The pull handles should have supporting washer with raised bevelling on the outer surface, SS 304 grade.				
5.1	Size 25 x 600mm	6.00	pair		

Sr. No.	Description of Item	Quantity	Unit	Rate	Amount (₹)
6	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
6.1	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4.50	sqm		
7	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	4.50	sqm		
8	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):				
8.1	Rectangular or square	4.50	sqm		
9	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	2.00	each		
10	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.				
10.1	Size 40 mm	30.00	each		
11	Providing and fixing powder coated telescopic drawer channels 500 mm long with necessary screws etc. complete as per directions of Engineerin- charge.	14.00	set		
12	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
12.1	1 mm thick	125.00	sqm		
13	Providing and fixing Marine plywood conforming to IS: 710, in cupboard, shelves/partitions with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand. (Make GreenPly, Century or other equivalent make)				

Sr. No.	Description of Item	Quantity	Unit	Rate	Amount (₹)
13.1	18 mm thick Plywood	50.00	sqm		
13.2	12 mm thick Plywood	13.00	sqm		
14	Providing and fixing 18mm thick Marine plywood conforming to IS: 710 for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.				
14.1	18 mm plywood	13.00	sqm		
15	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
15.1	150 mm	16.00	pair		
16	Providing and fixing roller blinds of required size in windows with all accessories complete as per the directions of engineer in charge.	12.00	sqm		
17	Providing and fixing ISI marked S.S. tower (Barrel type) with necessary screws etc. complete and as per the directions of Engineer-In-Charge.				
17.1	300x10 mm	6.00	each		
18	Providing and Fixing Dead Lock of approved make , 55mm backset double through Dead lock with 20mm bolt projection body in Powder coated finish includes SS 304 forend of size: 20 x 135mm, strike plate & fixing screws for wooden / metal door. 5 pin Euro profile knob cylinder with 3 keys, 70mm length Escutcheon 53mm (dia) x 10(H)mm made of SS 304 in satin finish with 38mm fixing center Supplied with 2 covers & 2 bases.	2.00	each		
19	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
19.1	Two coat	150.00	sqm		
Sr. No.	Description of Item	Quantity	Unit	Rate	Amount (₹)

20	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge. 14.4.1 For door/ window/ clerestory window				
20.1	For door/ window/ clerestory window	2.50	sqm		
21	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) For Fixed portion				
21.1	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	490.00	kg		
21.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) - Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	115.00	kg		
22	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
<b>Sr. No.</b>	<b>Description of Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (₹)</b>

22.1	Pre-laminated particle board with decorative lamination on both sides	36.00	sqm		
23	Providing and Fixing Top Rails including roller and bearing for making sliding arrangement for door including screw etc complete as directed by Engineer-in-charge.	3.00	each		
24	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge .				
24.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	32.00	sqm		
25	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	4.00	each		
26	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock to be paid separately).	2.50	sqm		
27	Providing & fixing bottom corner patch lock in 12 mm toughened glass door including all accessories complete as per the directions of Engineer-in-Charge.	1.00	each		
28	Providing and fixing toughened glass 12 mm thickness in partition with all accessories complete as per the directions of engineer in charge.	6.00	sqm		
29	Providing and fixing concealed hinge of approved quality for 19-20mm thick door with stainless steel screws complete : (Make Hattich or Equivalent)	65.00	each		
30	Providing and fixing one way vision vinyl logo on glass of required size complete as per the directions of Engineer in Charge.	3.50	sqm		
<b>Sr. No.</b>	<b>Description of Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (₹)</b>
31	Supplying and fixing 16 mm thick beveled tegular mineral fibre Antimicrobial false ceiling tile confirming to ISO 5 (class 100 ) specifications at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflection > 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6	15.00	sqm		

	&7)in true horizontal level suspended on interlocking T-Grid including removing damaged false ceiling tile and disposing the damaged tile complete as per the directions of engineer-in-charge.				
<b>(B)</b>	<b>HVAC work</b>				
32	Supply of Air Conditioning Unit Split AC Hi Wall Units				
32.1	1.5 TR Split AC 3 star Non inverter split AC	2	Nos		
32.2	1 TR Split AC 3 star Non inverter split AC	1	No		
33	Installation , pressure testing , vaccumising, Gas charging ,testing and commissioning of AC units as per spec.				
33.1	1.5 TR Split AC 3 star Non inverter split AC	2	Nos		
33.2	1 TR Split AC 3 star Non inverter split AC	1	No		
34	Hi Wall -SITC 3 Core Shielded communication wire in Conduit (25mm dia rigid PVC Conduit.) between outdoor to indoor units and indoor unit.(3 X 4 SQMM)	70	Rmt		
35	Hi Wall - SITC of Copper piping with 19 mm insulataon on gas pipe and 19 mm insulation on liquid line with proper support (suction & discharge).				
35.1	For 1.5TR split AC	50	Rmt		
35.2	For 1TR split AC	40	Rmt		
36	Supply, installation, testing and commissioning of electrical earthing to Indoor and Outdoor Units.	3	Nos		
37	Condensate drain pipes of indoor units 25 mm dia pipe with insulation	40	Rmt		
38	Topping up / Recharging of Refrigerant Gas and Oil charge -R410/R32	3	Kg		
<b>Sr. No.</b>	<b>Description of Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (₹)</b>
39	Supply, fabrication and installation MS base frame/platform Hi Wall Ms stand for outdoor unit ( L type )	3	Nos		
<b>(C)</b>	<b>Electrical Works</b>				
	<b>WIRING</b>				
40	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box				

	and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
40.1	Group C	25	Point		
41	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
41.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	300	Metre		
41.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	300	Metre		
42	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC casing capping				
42.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	150	Metre		
42.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	150	Metre		
43	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
43.1	1 x 1.5 sq. mm	256	Metre		
44	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
44.1	20 mm	25	Metre		
44.2	25 mm	169	Metre		
45	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
45.1	Data socket outlet	19	Each		
<b>Sr. No.</b>	<b>Description of Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (₹)</b>
46	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.( Data, Telephone)				
46.1	1 or 2 Module (75mmX75mm)	11	Each		
47	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	40	Each		

48	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	47	Each		
49	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.				
49.1	1 run of cable	524	Metre		
50	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	43	Each		
51	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 15/16 A modular socket outlet and 2 nos. 15/16 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	43	Each		
	MCCB, MCB & DB'S				
52	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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)				
52.1	8 way , Double door	1	Each		
52.2	16 way, Double door	1	Each		
<b>Sr. No.</b>	<b>Description of Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (₹)</b>
53	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.				
53.1	Single pole	19	Each		
53.2	Triple pole and neutral	4	Each		
54	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

54.1	40 A	4	Each		
55	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
55.1	40 A	2	Each		
55.2	63 A	2	Each		
56	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, 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.				
56.1	40 A	5	Each		
56.2	63 A	3	Each		
57	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc. as required.				
57.1	For 8 way, Double door SPN MCBDB	1	Each		
57.2	For 14 way, Double door SPN MCBDB	1	Each		
	CABLE TRAYS				
58	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
58.1	225 mm width X 50 mm depth X 1.6 mm thickness	10	Each		
<b>Sr. No.</b>	<b>Description of Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount (₹)</b>
58.2	300 mm width X 50 mm depth X 1.6 mm thickness	10	Each		
	EARTHING				
59	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	80	Metre		
	MV CABLE LAYING				
60	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade				

	of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
60.1	4Corex25 sq. mm Aluminium Armoured Cables	50	Metre		
	MV CABLE JOINTING & END TERMINATION				
61	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.				
61.1	3Y X 25 sq. mm (28mm)	8	Each		
62	2x2 size 36 watt 6000k and LED Luminoury with high translucent diffuser gives soft glare free light and complete with electronics drive.	5	Each		
63	LED Tubelight of 18 watt on wall or ceiling as directed and giving connections are required	4	Each		
<b>Total Amount including 18 % GST (Rs.)</b>					

**Note :- Price shall be quoted in separate BOQ excel file.**

**Superintending Engineer,  
AIIMS, Nagpur**