



Office of the Director
INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES,

SHEIKHPURA, PATNA – 800 014 (Bihar, India)
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Ref. No.: 477 /EC/2023

Date: 05 / 09 /2023

Short Notice Inviting Tender for Civil Work

NIT No. :- 08/IGIMS/Engg.Cell /CW/2023-24

Sealed tenders in two bids system (Technical and Financial) are hereby invited for following civil repair and renovation works.

Sl. No.	Description of the Works	Estimated Cost (In Rs)	E.M.D.	Cost of B.O.Q.	Time of Completion
01	Repair, Renovation and provision of vitrified floor tiles in vacant old D – Type quarter no- 3/4 , E- 3/1,NMNH-14 and OLD MDH – 3/9 at IGIMS, Patna-14	13,23,934/-	26,500/-	2,500/-	45 Days
02	Repair, Renovation and Painting Work of B- Type 07 (Nos.) Quarter, 1 No. MDH Room No. 1/9 and New Boys Hostel Room No. 224 at IGIMS, Patna-14	7,24,024/-	14,500/-	1,250/-	30 Days
03	Making of Wood Polymer Composite Medical Rack With Counter for Pharmacy Store First Floor of Core block at IGIMS ,Patna -14	5,74,185/-	11,500/-	1250/-	30 Days
04	Making Wooden Nursing Counter ,Racks for Emergency Triage Area and Provision of Water Tank on the Terrace of at IGIMS ,Patna -14	4,33,933/-	8,700/-	750/-	30 Days
05	Provision of Water Tank , Repair of Attendant Bed, Aluminum Cabin 2.0 Nos. for Guard Changing Room in Ward Block , Repair and Painting of KTU in Diagnostic Block and other Miscellaneous Work at IGIMS, Patna-14.	4,33,011/-	8,700/-	750/-	30 Days
06	Drain Cleaning work in Hospital Campus along with north side boundary area at IGIMS, Patna-14. (Re-tender)	4,07,649.00	8,200/-	750/-	15 Days
07	Provision of SS Sheet in Pillar at Ground Floor of M.S Cell ,Laying of Paver Block in Courtyard of OPD Block and Other Miscellaneous Work at IGIMS, Patna-14	3,84,162./-	7,700/-	750/-	30Days
08	Repair, painting Renovation, Water Proofing & Wall Tiles , etc. in Old Boys Hostel Mess at IGIMS, Patna-14.	3,51,692/-	7000/-	750/-	30 Days
09	Repair, Painting and Other Miscellaneous Work in Different Location of Hospital Area at IGIMS	3,16,609/-	6,300/-	750/-	30 Days
10	Brick Seating Bench New Vaccination Centre and OPD Block at IGIMS, Patna-14. (Re-tender)	2,82,951/-	5700/-	750/-	15 Days
11	Repair and painting work of old D-3/6, New E-3/4 and New D-4/1 at IGIMS, Patna (Re-tender)	2,73,505/-	5500/-	750/-	15 Days
12	Provision of additional water supply line for New Medical College Building wall at IGIMS, Patna-14	1,57,290/-	3100/-	500/-	15 Days

Time schedule is as follows:-

01.	Last Date, time & place for submission of tender	Up to 26 / 09 /2023 till 3.00 PM. in the office of the Director, IGIMS, Patna-14, through Regd. / Speed Post /Courier.
02.	Date and time for opening of tender- (Technical Bid).	27 / 09 / 2023 at 3.00 PM in Conference Hall, IGIMS, Patna.
03.	Date & Time for opening of Price Bid of technically Qualified Bidder	06 / 10 / 2023 at 3.00 PM in Conference Hall, IGIMS, Patna.

Particulars in brief:

1. Authority to sanction the tender: Director, IGIMS, Sheikhpura, Patna-800014.
2. **Any Contractor with valid Registration with Bihar Building Construction Department, Bihar Road Construction Department, BSEIDCL, C.P.W.D., Bihar Rajya Pool Nirman Nigam, Indian Railway, may participate in this tender For Civil and For Electrical Work Road Construction Deptt, Bihar, Building Construction Department, CPWD, Energy Department, PESU, Electricity.**
- 3 Bidder shall have to download tender papers and BOQ from institute website www.igims.org
4. Prescribed forms filled up at specified places and necessary documents must (in hard copy) be submitted in office of the Director, IGIMS, Patna on or before the stipulated time by Regd./Speed Post/Courier. Information regarding tender opening or any corrigendum regarding tender shall be available at the website only. In case of non submission of tender documents in hard copy as per eligibility criteria and technical bid sheet the bidder will be non responsive.
5. The cost of tender document is non-refundable and it should be **Paid in the shape of Demand Draft in favor of Director, IGIMS PATNA**
6. The Earnest money shall be acceptable with Technical bid in the shape of Demand Draft (DD) in favour of Director, IGIMS, Sheikhpura, Patna of any schedule bank, otherwise Tender will not be considered as responsive. The Bid validity period of 120 days from the date of submission of tender/quotation.
7. Regarding any information of the proposed work, bidder should contact the Superintending Engineer, IGIMS Patna on any working day, before submission of bid.
8. The undersigned has right to extend or cancel the Bids without declaring any reason

9- **ELIGIBILITY CRITERIA :**

(A) **Experience :-**

Interested tenderers, who fulfill the following eligibility criteria, shall be only eligible to participate in this Bid process.

The contracting Firm/ Agency should have satisfactorily completed similar work as a prime contractor during the last five years, ending March 2022.

- 10) Three similar Completed as per the nature of work in NIT, each costing not less than 40% (forty percent) of the estimated cost or completed two similar works as per the nature of work in NIT each costing not less than 50% (Fifty percent) of the estimated cost or completed one similar work as per the nature of work in NIT costing not less than 80% (eighty percent) of the estimated cost.

11. **BIDDING PROCESS**

DOCUMENTS AVAILABLE

Following documents related to this tender are available at website which should be downloaded by the bidder:-

- a) TENDER DOCUMENT (Document available on institute website www.igims.org)
- b) TECHNICAL BID SHEET
Bidder shall have to download empty document and submit the all required document in hard copy as per NIT Technical eligibility Crateria for evaluation of technical bid.
- c) BOQ FINANCIAL BID
Bidder shall have to download BOQ and submit the hard copy with quoted rate for evaluation of financial bid.

12. **EVALUATION OF BID**

Bid shall be evaluated in two stages:

- a) Evaluation of technical bid which consists of Eligibility of bid and documents to assign with technical bid.
- b) Evaluation of financial bid

(13) **ELIGIBILITY OF BID**

Bidders must submit and upload Notarized and self attested copy of the following documents as well as documents as per technical bid sheet to evaluate their eligibility, otherwise bid will not be considered for Evaluation of Technical Bid and bid will be summarily rejected:-

- (i) Required Bank Draft in favour of Director, IGIMS against fee for Tender Papers EMD fee as per instruction in N.I.T.
- (ii) Required Earnest money in shape of Demand Draft in favour of Director, IGIMS.
- (iii) **Valid Registration with Bihar Building Construction Department, Bihar Road Construction Department, BSEIDCL, C.P.W.D., Bihar Rajya Pool Nirman Nigam, Indian Railway, may participate in this tender.**
- (iv) EPF and ESIC No. with up to date challan.
- (v) GST registration & up to date clearance certificate.
- (vi) PAN No. & Up to date income tax Clearance Certificate
- (v) For Electrical work, Agency OR his authorized representative should have Electrical License issued from Government Department.

(14) **DOCUMENTS TO ASSIGN WITH TECHNICAL BID**

Bidder should upload the following documents in addition to the required documents as per eligibility of bid in support of technical evaluation. Documents shall be attached in the same sequence as noted down below.

- I) Current Audited Annual Financial Turnover Certified From chartered Accountant.
- II) Certificates by Employer for successful completion of works or final payment certificate during last five years, from date of submission of tender, specifying.
 - a- Name of work
 - b- Employer
 - c- Location
 - d- Contract amount
 - e- Date of start
 - f- Date of completion
- III) List of Works in hand (Existing Commitment) specifying
 - a- Name of work
 - b- Employer
 - c- Location
 - d- Contract amount
 - e- Date of start
 - f- Date of completion.
- IV) Document showing ownership of plants and equipment needed for successful completion of :-
 - a- Required For Concerned Works.
- V) Details of financial availability:-
 - a- Undertaking on non-Judicial stamp for cash investment of 25% of estimated cost for this work.
- VI) Certificates in the form of Affidavit by the bidder for: -
 - a- Bidder has not been debar/rescind in last five years for any project which was taken up by bidder
 - b- Bidder had no relative or any person directly or indirectly involved in design, execution, and supervision and testing of this tender.
- VII) Bidding Capacity statement

Bidding Capacity, $BC = A \times N \times 3 \text{ } \phi \text{ } B$

Where,

A= Maximum ATO at current price level (with 8% annual indexation)

N = Time of completion of this tendered work in years

B = Value of works in hand (Existing Commitment of Bidder)
- VIII) Character certificate/Applied for should be submitted

(15) **EVALUATION OF FINANCIAL BID**

- i- The financial bid of only those bidders shall be opened who will qualify in evaluation of Technical Bid.
- ii- The Bidder should quote the rates including item of works incorporated in BOQ, all materials, all labour, all taxes, royalty, carriage, tools and plants and contingent expenses.
- iii- It will be presumed that the Bidder has carefully examined & have satisfied himself completely with: nature of works, extent of liability of the work, bill of Quantity specification, conditions of Tender, approved quarries, materials carriage leads, condition of the site of works, means of communication, approach road for access to the works site, availability of site, labor in connection with the completion of work etc. No claim either for cost or for extension of time will be entertained on anyone of these or similar ground.
- iv- Quantity of items stipulated in Bill of Quantities may increase or decrease.

- v- If amount of financial bid of bidders are same, work shall be allotted by draw of lots.
- vi- Any information related to tender shall be collected from the office of the related Executive Engineer or Superintending Engineer on any working day.
- vii- Tender incomplete in any respect shall not be entertained.
- viii- Conditional Tender shall not be entertained.

(16) **CONDITIONS FOR TENDER**

- I. On acceptance of tender, it will be obligatory to deposit Initial Security money @ 5% of the amount of the approved tender, in shape of Demand Draft in favour of Director, IGIMS, sheikhpura, Patna-14. along with Character Certificate
- II. If Earnest money already deposited along with the tender is likely to form part of Initial Security Money Deposit, then the Balance Initial Security money shall be deposited to execute Agreement, within 10 (ten) days of issue of letter of acceptance of tender, failing which, the offer shall be rejected and Earnest money forfeited.
- III. Earnest money of the unsuccessful Bidder will be refunded on request by Bidder.
- IV. Power of attorney of authorized signatory and Constitution of firm shall have to be produced by Contractor on demand.
- V. Letters issued through registered post shall be deemed to have been served to the bidder.
- VI. Notice inviting Tender and conditions for tender shall form part of Agreement.
- VII. Agreement shall be executed subject to availability of fund for the job.
- VIII. Works shall be executed as per approved design and drawing and as per CPWD specifications. In case of difference of opinion on any issue, the practice laid down in B.I.S. specifications shall be followed.
- IX. No construction material or machineries will be supplied by the Department.
- X. Materials to be used in works shall be got approved in advance in writing by Engineer in Charge.
- XI. Samples of materials including concrete cubes shall have to be tested from the approved Laboratories at Contractor's cost at different stages of works as per direction of the Engineer in Charge.
- XII. No equipment or personnel will be removed from site without permission of the Engineer in Charge.
- XIII. Contractor shall keep the Construction site neat and accessible for frequent inspection of works. All facilities shall be provided by contractor for checking the works.
- XIV. Site Order Book with numbered pages and bearing the certificate of the Engineer in Charge shall have to be maintained by the Contractor at the site of work, and it will have to be produced to the Engineer in Charge, to record any instruction concerning the work. This shall be the property of the Department after the completion of work.
- XV. Undesirable person or rejected materials shall have to be removed from work site by Contractor immediately.
- XVI. The Contractor shall arrange necessary accommodation, lighting, drinking water and contingent medical aid for labors at his own cost and Contractor shall comply all labor rules prevalent in the locality.
- XVII. The Contractor shall be responsible for any damage or loss to public property due to negligence of his labor or staff and the damages shall be made good at his own cost.
- XVIII. Contractor shall be held responsible for any accident occurring due to negligence at works site and compensation against such accident shall be borne by contractor.
- XIX. Deduction @ 5% of the total value of each bill shall be made as Balance Security Deposit, so that, net security deposit at the last stage of payment achieves at 10 % of the total value of work done.
- XX. No work beyond agreement shall be executed by the contractor unless ordered by the Engineer in Charge in writing in the Site Order Book and the claim for such work shall be submitted regularly in every month. If the claim is not received in the month to which it relates, it shall be treated as debarred and be disallowed.
- XXI. No claim shall be entertained on account of fluctuation in rates, idle labor, non supply of materials or delays due to any other reasons.
- XXII. All required papers as per eligibility of bid & documents to assign with technical bid must be notarized for this work by Public notary.
- XXIII. **All required papers in original must be shown by the bidder only to Executive Engineer (C)/Superintending Engineer, IGIMS on next day at 3.00 PM of opening of technical bid. In case of non production of original documents the bidders will be declared technically non responsive.**
- XXIV. The Contractors employing trucks for carriage of materials and for other works have to comply with the rules of the Motor Vehicles Act.
- XXV. The Contractor shall not be entitled to claim or for compensation, for any loss suffered by him due to (A) Natural calamities, (B) Act of enemies, (C) Transport and procurement difficulties or (D) Circumstances beyond the control of the Department.

- XXVI. On Account of Income Tax and GST certain percentage will be deducted from the bill of the contractor as per Government Rule.
- XXVII. Royalty Form M and N and related Mining Challan (in original) will be produced along with each bill against minerals consumed during construction.
- XXVIII. On non production of Royalty Clearance certificate, necessary recovery on account of royalty charges will be made from the bill of the contractor at the rate prescribed by the Mining Department.
- XXIX. Work shall be executed subject to availability of land. No claim shall be entertained in this regard.
- XXX. Neither any interest shall be paid nor will any claim be entertained on account of delayed payment due to non availability of fund.
- XXXI. The contractor shall have to rectify at his own defective works found during checking or inspection of the higher authorities.
- XXXII. On completion of works contractor shall have to remove all materials and leave the space tidy and ready for use, all as per direction of Engineer in Charge.
- XXXIII. Agreement of work will be executed as per F2 form and all documents attached will be part of the agreement.
- XXXIV. All affidavit and Undertaking should on separate paper of non- judicial stamp of Rs. 1000/-
- XXXV. **Note:- (1) Intending bidders should enclose all required papers as per Technical Bid sheet and Financial Bid Sheet serially for easy evaluation.**

INSTRUCTION TO TENDERER

01. Sealed tender are invited from reliable and experience Contractor having valid registration/ documents/ papers in the manner and period prescribed in tender notice / short tender notice published in News Paper & should be submitted to Director, Indira Gandhi Institute of Medical Sciences, Patna 6 800 014
02. The Bill of Quantity along-with tender document can be down loaded from Institute web-site www.igims.org and cost of tender document (non-refundable) to be submitted in favour of Director, I.G.I.M.S., Patna-14, for the amount mentioned in N.I.T.
03. The tenderer is required to deposit the Earnest Money @ of 02% (Two percent) of the amount of estimated cost or amount indicated in tender notice will have to deposit by the Bank Draft in favour of Director, I.G.I.M.S., Patna-14 for the specified work and furnished the name of work on the top of the envelop.
04. The estimated cost, Earnest Money and time of completion of work has been indicated in Tender Notice.
05. The rate quoted by the tenderer should be inclusive of all taxes, royalty and other incidental charges.
06. The tenderer should quote in their offer: -
 - a. Period within which they can complete the work, commencing from the date of written orders for commence the work
 - b. The plants and machinery they posses for execution of work.
 - c. Experiences, they have with details of works and its location.
 - d. Certificate, if any about the capacity of doing work.
 - e. Technical Staff if they posses.
07. The tenderer should satisfy them-selves full about the nature and site of work before offering their tenders and plea of any ignorance afterwards will not be considered. **Tender without Earnest Money or insufficient Earnest Money will out right rejected and there will be no position on the body of comparative statement.**
08. Tenderer are required to furnish up to date tax clearance certificate in respect of Income Tax and Other Taxes along with their tender. In absence of these documents along-with liabilities certificate from Income Tax and Sales Tax Departments within ten days from the date of asking in Registered Letter with acknowledgement, failing which their tenders shall be out-right rejected and their Earnest Money with tender, shall be stand forfeited.
09. After approval of rates by the competent authority the tenderer shall have to deposit the **initial security money, @ 3%(Three)** in shape of Bank Draft, drawn in favor of the **Director, I.G.I.M.S., Sheikhpura, Patna-14** (Bihar), on receipt of written orders from the Superintending Engineer/Executive Engineer, I.G.I.M.S., Patna-14 and execute the agreement, failing which his tender shall be rejected and Earnest Money forfeited.
10. Conditional tenders may be out-right rejected.
11. **Authority shall reserve the right to reject any or all tenders or distribute the work to more than one contractor without assigning any reason.**
12. No claim for ideal labors due to shortage of work, non-supply of materials, drawing and design or any other reason shall be entertained.
13. Tenderer shall arrange site for accommodation and other facilities like medical aid, etc, for the labour at his own cost and initiatives as well as comply with the labour rules, prevalent in the locality.
14. The tenderer shall be solely responsible for any damage or loss in public property due to negligence of his labours or other staff and shall be made good at his own cost.
15. C.P.W.D. & I.S. specifications shall be followed during the process of work. In case of any difference of opinion on any of these, directions of Superintending Engineer has to be followed.
16. No claim shall be entertained due to fluctuation in rates of labour and materials at any time during completion of work.
- 17.

- i.) Institute materials will be issued to the contractor for bonafide use in the work allotted to him as per availability in stock on proper hand receipt and issue of rates specified in agreement.
- ii.) Materials actually consumed in the work be calculated on the basis of approved design and specification and or laboratory test. The materials received by the contractor, in excess of actual consumption as determined above, will be charged at panel rates, which will be double of the issue rate of materials.

18. The tenderer employing trucks for carriage of materials or for other works shall comply the rules of Motor Vehicle Act.
19. It will be obligatory on the part of tenderer to keep the tenders open of a period of 04 (Four) months (120-days) from the date of tenders for acceptance.
20. The tenderer shall not be entitled to claim or compensation for any loss suffered due to:
 - a. Natural calamities
 - b. Act of enemies
 - c. Transportation and procurement difficulties
 - d. Circumstances beyond the control of state.

21. SITE ORDER BOOK

With numbered page and bearing the certificates of the Engineer will be kept by the site of work and it will be have to be produced if the Superintending Engineer / Inspecting Officer desire for any instruction concerning the work. This shall be property of the department after completion of work.

The work beyond the agreement shall be executed by the contractor, unless specifically ordered by the Superintending Engineer or his authorized representative in writing in SITE ORDER BOOK, and the claim for such work shall be submitted regularly in every month. If the claim is not received in the month to which it is related, it will be treated as barred and to be disallowed.

22. The cost for each empty drums will be recovered in case it is not returned to the Institute store.
23. On account of Income Tax, applicable tax will be deducted from the bill of contractor,
24. Other Taxes as applicable shall be deducted from the contractor.

27. METHODOLOGY OF TENDER

The tenderer are required to submit their tender in two separate sealed envelops as follows:

(Tenders not following this shall be rejected)

ENVELOPE-1

This envelop will super-scribed on the top of the envelop as "TECHNICAL BID" name of the work on top left corner. The envelope should contains the following documents:

- (a) Instruction to tenderer/Special Condition to tender enclosed in this document duly signed and stamped in each page by the tenderer.
- (b) Sheet and questionnaire duly filled "Signed and stamped by the Tenderer".
- (c) Earnest Money required in required shape.
- (d) **valid Registration with Bihar Building Construction Department, Bihar Road Construction Department, BSEIDCL, C.P.W.D., Bihar Rajya Pool Nirman Nigam, Indian Railway, may participate in this tender.**
- (e) EPF/ ESIC No. up to date challan.
- (f) GST registration & up to date clearance certificate.
- (g) PAN No. & Up to date Clearance Certificate & Service Tax No.
- (h) Certified copy of the up-to-date Income Tax clearance certificate,
- (i) Certified copy of up-to-date Tax clearance certificate.
- (j) Certified copy of letter of enlistment and renewal as contractors of the department.
- (k) Attested copy of ownership of tool and plants along-with technical personal employed by him if available with the contractor.
- (l) Attested copy of payment certificate of concerned Executive Engineer clearly stating the name of work and year of execution of work as proof of experience.
- (m) Attested copies of power of attorney/partnership deed, if applicable.

ENVELOPE-2

This envelopes will super-scribed on the top of the envelop as "Rate Bid" and stand only consists of the following: -

- (a) Bill of Quantity.
- (b) Page provided for quoting rates duly signed and stamped by the contractor.

This envelop will only be opened after successful opening of the Technical Bid as in Envelop-1

Signature of Tenderer

QUESTIONNAIRE

- | | | |
|--|-----|----|
| 1. Name of Contractor | | |
| 2. Permanent Address (with telephone No. /Mobile No.) | | |
| 3. Correspondence Address (with telephone No. /Mobile No.) | | |
| 4. Registration No. of contractor:-(Attached attested copy of registration and renewal) | Yes | No |
| 5. Earnest Money deposit | Yes | No |
| 6. Income Tax clearance (Attach attested copy of certificate) | Yes | No |
| 7. EPF/ ESIC No. up to date challan. | Yes | No |
| 8. Tax clearance (Attach attested copy of certificate) | Yes | No |
| 9. GST registration & up to date clearance certificate. | Yes | No |
| 10. PAN No. & Up to date Clearance Certificate & Service Tax No. | Yes | No |
| 11. Experience certificate for similar work of required amount | Yes | No |
| 12. Tools & plants owned by the contractor (Attach separate sheet of details) | Yes | No |
| 13. Any technical personnel if permanently employed by the contractor
(Attach details if any) | Yes | No |

Signature

SPECIAL CONDITIONS

01. Rates quoted should be inclusive of all taxes, royalties, carriage and all other incidental charges what so ever.
02. The contractor(s) shall not stipulate any additional conditions in their tender for increase of rate due to increase in rate of taxation railway freight etc.
03. The rate should be written in figures as well as in words in such a way that interpolation is not possible.
04. Taxes, railway freight and incidental charges in materials and labour in respect of the contract shall be payable by the contractor and the Institute shall not entertain any claim whatsoever in this respect.
05. The tenderer should acquaint themselves with the work and working conditions of the locality and no claim will be entertained on the issue.
06. Site for execution of work will be available as soon as the work is awarded, in case, it is not possible for the department to make the entire site available on award of the work, the contractors will have to arrange his working program accordingly. No claim whatsoever for not giving site on award of the work and giving the site gradually will be tenable.
07. The contract for the construction shall commence from the date of issue of work-orders.
08. The contractor(s) shall study the specifications, drawing and conditions carefully before submitting the tender.
09. The work will be executed according to the approved and sanctioned design and drawing, from time to time which will be binding on the contractor. No claim for change or modification in drawings and design will be tenable.
10. The contractor will be issued departmental materials as per availability of the same with the department. Materials taken by the contractor in excess on the calculated requirement will be charged to panel rates, which will be double the issue rates of the materials.
11. Contractor shall have to keep up-to-date account of materials, at site and his store will inspected when required by the Superintending Engineer/ Supervising Staff in such check up.
12. Quantities mentioned in the bill of quantity are approximate and it may increase or decrease. No claim shall be entertained on the ground of fluctuation of rates in labour and materials etc. in the market during the period of filling tender and of completion of work.
13. The contractor shall arrange for necessary site accommodation and other facilities such as medical aid for the labour engaged by him at his own cost and no claim on this ground or for any incidental charges shall be entertained.
14. No claim for ideal labour due to non-supply or delay in supply of materials, machine, design etc by the institute will be entertained.
15. The contractor will strictly follow the conditions laid down in the minimum wages Act. He shall comply with the labour laws as may be current and furnish information as required from time to time.
16. All materials brought to site by motor vehicle other than vehicles belonging to the contractor this work should be public carriage vehicles. The carriage of such materials by private carrier would be illegal and contractor will accordingly responsible for employing private carrier instead of public carrier.
17. The motor vehicle rules shall be followed by the contractor who will also responsible for infringement of traffic rules, accidents damages to road and culvert etc. No responsibility for all or any the above will rest with the institute.
18. The work shall be done according to the Building Circle Patna specification. In respect of such items of works which are not covered by the Circle specifications. The Specifications laid down by the Superintending Engineer, IGIMS, Patna shall be followed, which will be final and conclusive.
19. All R.C.C. as well as plain cement concrete works shall be machine mixed and vibrated properly. For curing horizontally laid concrete components shall be submerged under 26 constant head of water and on vertical concrete components shall be constantly sprayed as directed by the engineer in charge.
20. Lime concrete intended for terrace work over R.C.C. slab roof shall also be machine mixed.
21. All shuttering and centering materials shall be arranged and procured by the contractor at his own cost and shall consist of rigid wood works and steel works so as not to deform or get disturbed, as sequel to the working of vibrator. All scaffolding materials shall also be procured and by the contractor at his cost. In case of centering and shuttering of R.C.C. columns only steel plates of requisite thickness shall be used and not wooden planks so as to give smooth surface.
22. No claim shall be entertained by the institute for cleaning and scrapping rust and other harmful clement from steel.
23. All R.C.C. works shall be designed as per latest I.S. Code of practice.
24. If during execution of work, an item is provided in the B.O.Q. is not required to be executed due to change of specification etc., the contractor will have no claim what-so-ever if that item is not got executed through him.
25. The contractor shall get sample of brick, sand, stone-chips etc, approved by the Executive Engineer In charge before undertaking mass collection. The same samples of the approved quality of materials shall be kept in custody of the Executive Engineer in charge, for comparison later on and when the contractor's supply is made during progress of the work.
26. For over all structural works except plastering, clean and coarse Sone-sand shall be used and should be screened to 266 mesh in one square inch before use in work.
27. Flat iron for making grills for windows, rails for staircase etc. shall be procured by the tenderer him-self.

28. All points of welding grills etc. must be clean, smooth and strong. The samples of grill shall be got approved by the Executive Engineer/Engineer in charge before taking up mass manufacture.
29. After completion of work, the building floor shall be thoroughly washed and cleaned. Any paint. Cement marks on glass panes, shutters shall be removed and cleaned properly at the contractor's cost.
30. The contractor shall remove his surplus materials, rubbish etc., and leave the site clean and leave after leveling and dressing the premises of the work as directed by the Engineer in Charge.
31. The site shall be cleaned of all rubbish, leveled and dressed as directed by the Engineer In Charge and shall be prepared for lay out works. Rushes, weeds, stumps of trees if any shall be removed by the contractor at his own cost before lay-out is taken up as directed by the Engineer in Charge. The costs of masonry pegs, strings, labors etc., are incidental expenditure in the layout of the work and shall not constitute claim for the same.
32. The arrangement and cost of all strong-shad, labour, shades, vats, tools and plants scaffolding water supply, electric power supply and building accessories shall be borne by the contractor. He shall also provide all facilities and medical-aid to the labours employed by him at his cost.
33. Any approach road necessary for carriage of building materials to site will have to be constructed by the contractor at his own cost and no claim for the same will be entertained by the Institute.
34. The contractor shall keep at site such equipments as required for testing for the field, the soundness of materials etc. Moulds for making concrete cube, steel cones for slump test etc., shall be kept at site and cost for making them shall be born by the contractor and no claim for the same will be tenable. He shall arrange for collecting the samples and forwarding the required number of samples for test and analysis at such time and to such places as directed by the Engineer in charge and full payment for R.C.C. works executed shall be made only on satisfactory test result.
35. Good and Approved quality of Lime shall be used and samples may be approved before use in works. In all R.C.C. & P.C.C. work, stone chips & Sone sand of specified size & grade shall be used in Concrete work. Masonry works shall be confirm to the relevant IS code.
36. In case of TL inverted or rectangle beam, only the rib portion projecting above or below the slab shall be measured for purpose of payment.
37. The jam and soffit of the doors and windows openings should be smooth true to plumb and suitable space will have to be left for receiving W.I. clamps as per direction of Engineer in Charge for which no claim shall be entertained.
38. Procurement of water in all season with all leads and lifts shall be done by the contractor at his cost.
39. All conditions attached with N.I.T. and the B.O.Q. will form an integral part of the contract and should be duly signed by the tenderer as token of acceptance while submitting the tender for the work.
40. The contractor will solely be responsible for accident etc., if any; during execution of work and no liability for this shall lie with the institute.
41. Suitable recesses for fixing clamps, doors and windows, jali work and railings wherever required shall have to be provided by the contractor in brick walls R.C.C. columns and R.C.C. roof as per direction of Engineer in charge without any cost.
42. The Engineer in charge will have full power to remove from the premises of the site, all materials which in his opinion are not in accordance with specifications and in case of default, the Engineer in charge is at liberty to get sold such inferior materials at the contractor risks or remove the same from site at the contractors risk and cost.
43. The teakwood and sal-wood shall be well-seasoned and free from any timber defect or manufacturing defect. Frames and shutter shall be got approved before use in the works.
44. Fittings and fixtures for doors and windows etc., shall be got approved by the Engineer in Charge well in advance, before use in the work. The approved fittings and fixings fixtures shall be mounted on a wooden board and always kept at site of work open for inspection and one such mounted board will be deposited in the office of Executive Engineer in charge, at the contractor's cost.
45. Where not other-wise specified only 1/8" plain glass panes weighting 07.00 Kg. per sq. meter only shall be in all glazed shutters.
46. The contractor shall offer all facilities to the Institute Engineers for supervisions, checking of bills etc., and any damages in the process will be made good by the contractor on his own cost.
47. Where joints in reinforcements in R.C.C. works can not be avoided due to non-availability of required length of steel bars whether mild or tor steel the same will be formed by over-lapping to length of 45 times the diameter and tying the overlapped portion with 16-5 annealed soft iron wire.
48. During casting R.C.C. foundation, trenches shall be kept free from water and if necessary the water shall be pumped out for which no extra payment to the contractor shall be made.
49. The tenderer must mention in their quotation their GST Registration Number and. They should also furnish an up-to-date clearance certificate from the Department of concerned in respect of payment of Tax and Sales Tax.
50. The items detailed in this BILL OF QUANTITIES for which tenders are invited are for complete items of works namely cost of materials labour, scaffolding other requisite accessories, equipments etc., for curing etc. finished work in all respect and tenderer must quote his rate as such.
51. Payment shall be made for Actual quantity of every items of work done on actual measurement.
52. Before undertaking collection of materials required in the construction work shall be incumbent upon the contractors to get the quality approved by the Engineer in charge. Such approved samples of all materials shall be kept in the custody of Engineer in charge in sealed jars or boxes for comparison later on with the collection made during progress of work.

53. It shall be incumbent upon the contractor to adjust the strength of the labour and organizational machinery for execution of works according to the agreement and no claim what-so-ever shall be entertained by the institute for ideal labour and management for reasons of inability of the institute to provide and supply institute materials in time.
54. Throughout the building operation the contractor shall:-
 - a. Carefully prevent water logging near the foundation by suitable arrangement keeping the ground around the building clear and with a slope outwards from the building site etc.
 - b. Not dig any pit close to the building without prior order of Engineer in charge.
 - c. Avoiding over loading and R.C.C. slabs or beams with heavy structure etc., over it in excess of its design load.
55. After construction operation are completed by him the contractor shall: -
 - a. Remove from the site all his surplus materials and rubbish and also dismantle and remove all his temporary device made in the process of execution of the work and fill up any pits where necessary and leave the site in a nice and tidy manner.
 - b. Level and dress the ground to proper level with proper slopes in such directions as may be ordered by the Engineer in charge to a width of 30ø06 all around the building.
 - c. Make over the building and ground to the Engineer in charge in clean and fit state for occupation and use. The work and contract shall not be considered complete until all these things are done.
56. **LAY OUT:** - The layout of the structure will be the responsibility of the contractor but the work shall not be taken-up in hand before the Engineer in charge or his representative has satisfied him-self of the correctness of the layout.
57. **BENCHES:** -The contractor is to construct and maintain proper benches the intersection of all main walls in order that lines and levels may be accurately checked at all times.
58. **ACCESS FOR INSPECTION:** - The contractor is to provide all times during the progress of the work and the maintenance period means of access with ladders, gang-way etc. and the necessary attendance to move in and adopt as directed for the inspection and measurement work by the engineer in charge or his staff.
59. **ORDER BOOK:** - The contractor will be required to keep an ORDER BOOK at the site of work. Any special order or instruction to be issued to contractor will be recorded in the book, by the engineer in charge or his representative. Each page of this book will be numbered and the number of pages in same shall be certified by the engineer in charge or his representative. This will be always kept at site of work and the contractor will sign all orders recorded therein token of his having seen and noted. This book will be the property of the Institute.
60. The contractor is to make his own arrangement for water. If the contractor is allowed to take water from town main by the competent authority in charge of water supply, he is to provide at his own cost all necessary pipe fittings, tank and temporary pumping work in satisfactory condition and on the completion of the work taken up and remove all such installations and structures and make good the wok disturbed to the satisfaction of the Engineer in charge.
61. **LIGHTING ARRANGEMENT:** - The contractor is to make his own arrangements for the purpose of lighting of the whole site. If however the contractor is allowed to take the electric supply from the town distribution system by the competent authority. He has to provide his own cost the temporary connection and lines etc. which shall be removed after the completion of the contract period. The cost of electricity charges and taxes will be born by the contractor.
62. **OTHER FEES:** -All quarry fees, royalty, duties, taxes ground rent etc., if any shall be born by the contractor.
63. **DIMENSIONS:** - Figures dimensions in all cases are to be accepted in preference of scaled size. Large scale details will precede small scale drawing. In case of discrepancies the contractor is to ask a clarification before proceeding.
64. **WORK PROGRAMME:** - The contractor on starting the work shall furnish to the Engineer In charge a Programme for carrying out the work stage in the stipulated time. Graphs or chart on each individual work shall be maintained by the contractor at site showing the progress, week by week.
65. **PROVISION OF EFFICIENT AND COMPETANT STAFF:** - The contractor shall placed and keep on the works at all time efficient staff to give necessary direction to his workers and to ensure that they execute their work in sound and proper manner and shall employ only such supervision workmen and labour in or about the execution of work as are careful and skilled in the various trade and callings. The contractor shall at once remove from the works any agent permitted sub-contractor, supervisor, workmen or labours whom is objected to, by the engineer in charge. He shall submit a correct return showing the names of all staff and workmen employed by him. In the event of the engineer in charge having the opinion that the contractors is not employing on the work sufficient number of staff and workmen as is necessary for the proper completion of the work within time prescribed, the contractor shall forthwith on receiving intimation to this effect, take on the additional number of labour/staff within seven days of being so intimated and failure on the part of the contractor to comply with such instruction will entitle the Engineer in Charge to reject the tender and take action during the course of the execution of work.
66. **PRECAUTION DURING THE PROGRESS OF WORK:** -During the execution of the work the contractor shall at his own cost provide the materials for the stability of the structures and during any excavation work shall ensure that no damage or injury or loss is caused or likely to be caused to person or property.
67. The special conditions of instruction supplement the instruction to the tenders and the general conditions of contract for the work shall be considered as part of the contract papers. Where the provision of the general condition are at variance with these special conditions of the contract the provision of these special condition shall prevails.
68. As soon as practicable after he had been instructed to begin the work the contractor shall be required to submit the procedure and manner in which he proposes to carry out the contract works which the contractor intends. The submission for approval by the Engineer in charge of such program or the finishing of each particular shall not relieve the contractor of any of his duties or his responsibilities under this contract.

69. **SETTING OUT WORK:** - The contractor shall be responsible for the time and proper settlement of the works and for the corrections in the work and provision and supply all necessary instrument, appliances, materials, pegs, strings, nails benches and labours in connection therewith at his cost. If at any time during the progress of work, any error shall appear or arise in the structure, the contractor on being required so to do by engineer in charge, representative for correction there of, the contractor shall carefully protect all bench, marks, site rail, pegs and other things used in setting out the work.
70. **PERIOD OF MAINTENANCE:** - The building and other structure executed by the contractor shall be maintained by him, for a period of 03 (Three) months after satisfactory completion of work, during which the contractor shall be responsible for any defect that may develop in the materials or in the workmanship of the building and shall make them good to the satisfaction of the engineer in charge. Where the items of works are not explicitly clear from drawing or the estimate, the decision of the engineer in charge on any thing not included in the specifications will be final
71. The contractor has to sign P.W.D. Form No. F-2, and all works shall be subject to the terms and conditions in it. Where there is not mentioned of any detailed specification for item of work of PWD/CPWD will be followed.
72. The approved contractor shall have to engage a qualified engineer to execute the work and take instructions from the officer of the Department.
73. The contractor(s) are advised to study the drawing and other tender papers carefully and should quote rates inclusive of all charges, material, labour, transportation, execution, centering, shuttering, scaffolding, disinterring plants, equipments and other apparatus required for the successful execution of the job. All R.C.C. works must be done and completed with concrete mixture and vibrator.
74. The envelope of the tender should state the name of the work tendered for it.
75. The R.C.C. and P.C.C. will satisfy the requirement of latest edition of I.S.-456 and Bihar P.W.D. standard specification with latest recommendations.
76. The rate of R.C.C. shall include the cost of providing all materials and labours, all taxes and royalties etc. mechanically, centering and removing the same, curing as per the direction of Engineer in charge and bailing out where necessary for casting the concrete, but shall exclude the cost of reinforcement as mentioned in the items.
77. The measurement of R.C. components shall follow the I.S. code and standard practice for measurement and the methods contained in the tender documents and shall be binding on both parties.
78. In case of any dispute regarding specification, the method of measurement other requisites method of execution the unilateral decision of the Superintending Engineer, I.G.I.M.S., Patna-14 will be final and binding on the contractor without any scope of reference to higher authorities or court of law.
79. Payment will be made after the submission of clearance certificate for payment of royalty cost of minerals like clay, bricks, stone chips, etc., used in the work from the District Mining Officer; otherwise the same will be deducted from the contractor's bills at the prevalent rates of the mining.
80. Payment will be made only after satisfactory result of the quality control to be done by the Institute.
81. Subletting of the work is not permissible.
82. The period of defect liability shall be 12 (Twelve) months from the date of completion as certified by the Engineer-in-charge during which it shall be incumbent upon the contractor as maintain and make good all the damages in the building.

NIT No. :- 08/IGIMS/Engg.Cell /CW/2023-24

BOQ Attached

Sd/-
Director
IGIMS, Patna