



No./NITRR/EE/E.O./ETender/2023/0192

Raipur, Dated: 11/12/2023

NOTICE INVITING ETENDER

(First call)

ETender is invited by the REGISTRAR, NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR. For the under mentioned work from the eligible with CPWD /PWD or any State or Central Govt. Undertaking Organization:

Sl. No.	Name of Work	Estimated amount put to tender (in Rs.)	EMD Amount (in Rs.)	Time limit for completion	Cost of Tender Form (in Rs.)	Last date & time for submission of Tender Online
1	2	3	4	5	6	7
01	Construction work of Chemistry Lab and Physics Lab at the cycle stand ground of the Institute at NIT campus Raipur.	79,84,193/-	1,59,684/-	150 Days	1180/-	06/01/2024 Upto 18.00 Hrs.

The Etender document may be downloaded from website <https://eprocure.gov.in/cppp> and from website www.nitrr.ac.in & www.tenderwizard.com/NITR and submitted through online mode only.

ETender must be submitted through www.tenderwizard.com/NITR upto **06/01/2024 up to 18:00 Hrs.** and the tender will be opened in the office of EE (Estate Department)/ Asst. Registrar (S&P) on **08/01/2024 at 16:00 Hrs.**

Being a Two-Part ETender (techno-commercial and price bid), fax quotations will not be accepted. Please ensure your offers are received on or before tender due date and time. Bidder/ Tenderer are requested to download the tender documents from our website (www.nitrr.ac.in) & etendering portal i.e. www.tenderwizard.com/NITR and submit tender fee of amount `1180/-(inclusive of GST) through online mode in our etendering portal i.e. www.tenderwizard.com/NITR.

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REGISTRAR
NIT, RAIPUR (C.G.)

C.c To:

1. Dean (P&D), NIT Raipur for information.
2. P.S. to Director, NIT Raipur for information.
3. Asst. Registrar (F&A) NIT Raipur.
4. Web Master, for uploading ETender.
5. Prof.-in-charge (Civil) Estate Department, NIT Raipur for information.
6. Asst. Registrar (S&P), NIT Raipur.
7. Executive Engineer, Estate Department, NIT Raipur for n.a.
8. Asst. Engineer (Civil) (SG-I), Estate Department, NIT Raipur for n.a.
9. Executive Engineer, CPWD Office, for Notice Board.

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REGISTRAR
NIT, RAIPUR (C.G.)



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DETAILED TENDER NOTICE TO CONTRACTORS

ETenders for work of: - **Construction work of Chemistry Lab and Physics Lab at the cycle stand ground of the Institute at NIT campus Raipur.** Forms are invited by the Registrar, N.I.T. RAIPUR from the Registered Contractors of eligible class of CPWD, Public Works Department of Chhattisgarh State, or any other government agencies for the said work. Estimated cost noted against the work. E-tender submitted through tender wizard on or before **06/01/2024 up to 1800 Hrs (I.S.T.)** will be opened on **08/01/2024 at 1600 Hrs p.m.** hours through online mode. Any amendment/ corrigendum / pre bid conference shall be notified if required to the website mentioned in the tender document (please see page 1) from time to time. The bidder should keep in touch with the website & e-tendering portal i.e. www.tenderwizard.com/NITR to get recent updates of the said tender.

TENDER PROCEDURE:-

1. Manner of Submission of Tender:-

Bidders have to submit their bid through Etendering mode only at website www.tenderwizard.com/NITR.

1.1 Technical Bid:

Technical Bid shall contain the following documents (clearly, signed and visibly scanned copy to be uploaded at the portal).

- 1) Certificate as registered contractor with the CPWD / PWD of Govt. of Chhattisgarh, or any government /Semi. Govt. against as may be applicable.
- 2) PAN No of the firm
- 3) GST Registration certificate copy.
- 4) Proof of GST return submitted during latest financial year up to 31/10/2023.
- 5) Attested copy of partnership deed/ memorandum and articles of association, as the case may be if the etenderer is a partnership firm or joint work company.
- 6) Should have a solvency of 50% of estimated cost issued by his bankers. The solvency certificate should be issued after 31.03.2023.
- 7) Attested copy of license having registered with Asstt. Commissioner of Labour as required as per Contract Labour (Regulation Abolition). Act of 1970 and Chhattisgarh Contract Labour (Regulation and Abolition) Rules of 1971.
- 8) Power of attorney on behalf of firms issued in the name of person/s authorized to sign agreements / bills etc. and collect cheques from N.I.T. Raipur for the work done as applicable.
- 9) Certificate of Work Experience.
 - (i) Three similar works, each of value not less than 40% of the estimated cost put to tender, or
 - (ii) Two similar works, each of value not less than 50% of the estimated cost, or



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(iii) One similar work of value not less than 80% of the estimated cost, all amounts rounded off to a convenient full figure. The work experience should be within the last 07 years calculated from the last date of submission of tender.

The Definition of similar work is any Civil work related to: Civil Construction work, Civil Repair and maintenance works, Civil special repair and maintenance works of Government Building for the purpose of Government Residential/ non-residential buildings/ Institutional buildings, Offices, Institutional, Hostel, Class Rooms or any other buildings or civil work related to Renovation/ Up gradation of any Government Residential building, Offices, Institutional building, Hostel, Class room etc. (Experience certificate should be certified by the officer not below the rank of Executive Engineer or equivalent.)

- 10) Annual Turnover certificate with Minimum Annual turnover should be minimum 50% of the estimated cost of tender. Annual turnover certificate should be certified/audited by CA (Chartered accountant) for last three FY years.

1.2 Price Bid Tender :

“Price Bid” shall contain only the main tender including the common set of conditions / stipulations issued by the Department after the pre-tender conference. A tender submitted without this would be considered as invalid. Financial Bid (Microsoft Excel File) is to be downloaded from website www.tenderwizard.com/NITR and then is to be filled, saved and uploaded (through digital signature) on the same website and not to be submitted in hard copy at all.

1.3 Submission of Tender :

- (I) To participate in the Etender, it is mandatory for the bidders to have user ID & password, which has to be obtained by submitting an annual registration charges of Rs. 2000/- +GST @ 18% to ITI, through e-payment. Also it is mandatory for all bidders to have class 3 digital signature certificates from any of the CCA (Controller of Certifying Authority, India) or if any support required on DSC, Please contact back to us. (Helpdesk No. 011-49424365, 8305920951)
- (II) The bid along with necessary documents should be uploaded only on the www.tenderwizard.com/NITR portal as per guidelines mentioned in the portal. Tender has to be submitted only online at <https://www.tenderwizard.com/NITR> . All documents in support of eligibility criteria etc. are also to be scanned and uploaded along with the tender documents. Tender sent by any other mode will not be accepted.

1.4 Pre-Bid Conference:

If the department found necessary, there shall be a pre-bid conference (the date shall be informed if programmed) in which the doubts of the intending tenders shall be, clarified, besides discussions on and additional suggestion proposed by the etenderes. If found necessary, corrigendum to the tender documents would be issued to all the intending etenderes, and thereafter no further query/condition shall be entertained.

1.5 Opening of Tenders:

On the date specified in tender notice following procedure will be adopted for opening of the tender.



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1.6 Technical Bid:

First of all, Technical Bid of the etender will be opened to verify its contents as per requirements. If the various document contained in this part do not meet the requirements of the Department, a note will be recorded accordingly by the tender opening authority and the said tenders Part B not be considered for further action and the same will be recorded.

1.7 Price Bid:

This part shall be opened after evaluation of the technical bid only, if contents of Technical Bid are found to be acceptable to N.I.T. Raipur. The etendered rates in percentage above / below the estimated rates shall then be read out.

2) Earnest Money:

The Bidder/ETenderer shall furnish, as part of its bid, a bid security (BS). **The EMD/Bid security should be submitted online only through etendering portal i.e. www.tenderwizard.com/NITR.** The EMD amount will be Rs. 1,59,684/- (Rupees One Lakh Fifty-Nine Thousand Six Hundred Eighty-Four Only).

2.1 The Earnest money will be refunded in case the tenders are not accepted. In case of successful tenders the Earnest money will be refunded after recovering initial security deposit and completion of contract documents by the Tenders. The amount of Earnest money will be forfeited by N.I.T. Raipur in case the successful contractor does not pay the amount of initial security Deposit within the specified time limit.

2.2 The firms registered with DGS&D & NSIC, MSME if any, are exempted from payment of bid security provided such registration includes the goods and services they are offering.

2.3 The firm must ensure their eligibility for exemption from submission of EMD, in case of submission of EMD Exemption Certificate i.e. NSIC, MSME etc. If the exemption certificate is not found suitable for exemption, then the bid will not be considered in any case.

3) Performance Security, Security Deposit & Payment Refund of SD:

3.1 A successful bidder shall required to deposit of performance security in the form of DD/FDR/Bank Guarantee @ 5% of the contract amount that shall be given in the Letter of acceptance/ work order. Bidder would be required to deposit the amount before inception of work. Validity of performance guarantee should be as per CPWD works manual.

3.2 Payment toward work will be made through running account Bills at different stages of work/ work completion stages should be 20% of the contract amount at the time of submission of RA Bills. Final Bill will be made after completion of work and submission of all necessary documents, drawing as per the agreement/ Tender document.

3.3 The security deposit shall be collected by deduction from the running bill of the contractors at the rate mentioned below, and the earnest money that is deposited at the time of tender, shall be treated as part of the security deposit. The security deposit can also be deposited in cash or in the form of Government Securities, Fixed Deposit Receipts. etc. Earnest money shall be adjusted first in the security deposit and further recovery



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of security deposit shall commence only when the upto date amount of security deposit starts exceeding the earnest money.

Security deposit will be released only after completion of Defect Liability Period which will be one year in case of said work.

3.4 A sum @ 5% of the gross amount of the bill shall be deducted from each running bill of the contractor, till the sum along with the sum already deposited as earnest money amounts to security deposit @ 5% of the tendered amount of the work. Such deductions shall be made unless the contractor has deposited the amount of security at the rate mentioned in cash or Government Securities or Fixed Deposit Receipts.

4.0) Time Limit & compensation for delay in work:

The work is to be completed within the time limit as specified in the enclosed statement, which shall be reckoned from the date of written order commencing the work following by submission of Performance security as per the Tender T&C. In case of extension of time required due to unforeseen circumstances or else, contractor shall submit request for extension of time. The approval on extension of time shall be at the discretion of NITRR. If the contractor fails to maintain the required progress or to complete the work and clear the site on or before the contract or extended date of completion he shall without prejudice to any other right or remedy available under the law to the government on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below on the amount of remaining work after the time limit provided to complete the work (including extension if any).

(i) Compensation for delay of work @ 1.5% per month of delay to be computed on per day basis on the remaining work after time limit provided, shall be limited maximum up to 3.0%

5.0) Tender Rate:

No alteration in the form of tender and the schedule of tender and no additions in the scope of stipulation will be permitted. Rates quoted for the tender shall be taken as applicable to all leads and lifts.

6.0) Correction:

No corrections shall be made in the tender documents. Any corrections that are to be made by crossing the incorrect portion and writing the correct portions above shall bear the initials of tenders.

7.0) Tender's Acceptance:

Acceptance of tender will rest with the Director, N.I.T. Raipur who reserves the right to reject any of all tenders without any reasons. The tender whose tender is accepted will have to enter into a regular agreement within 15 days or being notified to do so. In case of failure on the part of Tenders to sign the agreement within the stipulated time, the earnest money paid by him shall stand forfeited by the N.I.T. Raipur and the offer of the tender shall be considered as withdrawn by him.

8.0) Conditional Tender:

The tenders who do not fulfil the conditions of the notification and the general rules and directions for the guidance to contractor in the agreement form or are incomplete in any respect are likely to be rejected without assigning any reason therefore.

9.0) Drawing Specifications and Quarries

(a) The Tenders shall be presumed to have carefully examined the drawings, conditions and specifications of the work and have fully acquainted themselves with all details of the site, the conditions of rock and its



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joints, pattern, river, weather characteristics labour conditions and in general with all the necessary information and data pertaining to the work, prior tendering for the work.

- (b) In case of drawing and design prepared by the bidding agency/firm contractor, it shall be duly prepared in accordance with the concerning department/ Engineer-in-charge of the said work. The structural drawing required for the said work to be vetted by the structural designers of IIT/NIT/any Govt. Institution. The charges/ fees for the same shall be paid by the contractor and will be reimbursed to the contractor on production of proper receipt from the institute.

10) Power of Attorney:

If the tenders are firm of company, they should in their forwarding letter mention the names of all the partners together with the name of the person who holds the Power of Attorney authorizing him to conduct all transactions on behalf of the body, along with the tender.

- 11) The tenders may in the forwarding letter mention any points he may wish to make clear but right is reserved to reject the same of the whole of the tenders if the same become conditional tender thereby.
- 12) The contractors of the firms tendering for the work shall inform N.I.T. Raipur if they appoint their authorized agent on the work.
- 13) Due to non-availability of foreign exchange no foreign exchange will be released by N.I.T. Raipur for the purchase of Plants and Machinery for the work by the Contractor.
- 14) Any dues arising out of contract will be recovered from the contractor as arrears of Land Revenue if not paid amicably. Moreover, recovery if N.I.T. Raipur dues for the contractor will be effected from the payment due to the Contractor from any other N.I.T. Raipur works under execution with them.
- 15) All pages of tender documents, conditions, specifications corrections slips etc. shall be initiated by the tenderer. The tender should bear full signature of tender, or his authorized power of Attorney holder in case of firm.
- 16) The income tax including surcharge in force from time of at the rate as intimated by the competent Income Tax authority shall be deducted from bill amount.

17) Validity Period:

The offer shall remain open for acceptance for minimum period of **120 days** from the date fixed for opening the same and thereafter until it is withdrawn by the contractor by giving notice in writing duly addressed to the Director, N.I.T. Raipur and sent by Registered Post Acknowledgement due.

- 18) The tendered rates/ quoted rate by the bidder shall be inclusive of all taxes & liabilities.
- 19) The Water consumption charges for the work will be recovered @ 1% of the billed amount from the contractor's bill, if it is supplied by the institute.
- 20) The Electricity consumption charges for the work will be recovered as per actual or assessment basis from the contractor's bill, if it is supplied by the institute.

21) Performance Security

- a. Within 10 working days of receipt of the Letter of Acceptance, the successful Contractor shall deliver to the Employer a Performance Security in any of the forms given below for an amount equivalent to 5% of contract price.

- i) A bank guarantee in the appropriate form or



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- ii) Bank draft/FDR in Favour of Director, N.I.T. Raipur payable at Raipur.
- b. If the performance security is provided by the successful Contractor in the form of a Bank Guarantee, it shall be issued either (a) at the Contractor's option, by a Nationalized / Scheduled Bank.
- c. Failure of the successful Contractor to comply with the requirements shall constitute a breach of contract, cause for annulment of the award, forfeited of the bid security, and any such other remedy the Employer may take under the and the Employer may resort to awarding the contract to the next ranked Contractor.

Contractor

REGISTRAR
NIT RAIPUR (C.G.)



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PERCENTAGE RATE FOR WORK

General rules and directions for the guidance of contractors:

1. All work proposed to be executed by contract shall be notified in a form of invitation to tender pasted on a board hung up in office of the Estate Department (Civil) and signed by the DIRECTOR, N.I.T. Raipur. The form will state the work to be carried out as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender and the amount of security deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. It will also state whether a refund of quarry fees, royalties, and ground rents will be granted. Copies of the specifications, designs and drawings and estimated rates, scheduled rates and other documents required in connection with the work which will be signed by the Professor In charge (Estate Department, Civil) for the purpose of identifications shall also be open for inspection by contractors at the office of the estate office civil division during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof, and in the event of the absence of any partner it shall be signed on his behalf by a person holding a power of attorney authorizing.

Where the works are proposed to be executed according to the specifications recommended by a contractor and approved by a competent authority on behalf of N.I.T. Raipur. Specifications with design and drawings shall form part of the accepted tender.

- i) The contractor shall pay Earnest money along with the Tender. The contractor may pay the said amount by forwarding along with the tender a DD for the said amount for a period of one year issued a Nationalised / Scheduled bank in the name of Director, N.I.T. Raipur. The said amount of earnest money shall not carry any interest whatsoever.
- ii) In the event of his tender being accepted, subject to the provision of sub clause (iii) below, the said amount of earnest money shall be appropriated towards the amount of security deposit, payable by him under condition of General Conditions of Contract.
- iii) If after submitting the tender the contractor withdraws his offer or modifies the same or if after the acceptance of his Tender, the contractor fails or neglects to furnish the balance security deposit, without prejudice to any other rights and powers of N.I.T. Raipur or in law N.I.T. Raipur shall be entitled to forfeit the full amount of earnest money deposited by him.

3. Receipt for payments made on account of any work, when executed by a firm, should also be signed by all partners, except where the contractors are described in their tender as a firm, in which case the receipts shall be signed in the name of the firm by one of the partners, or by some other person having authority to give effectual receipts for the firm.
4. Any person who submits a tender shall fill up the usual printed form including the column total according estimated quantities stating at what rate he is willing to undertake each work specified in the said form if invitations to tender, or in the time allowed for carrying out the work, or which contains any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit a separate tender for each.



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5. The Chairman tender opening committee (civil)) will open tenders in the presence of any intending contractors who may be present at the item and will enter the amount of several tenders in a comparative statement in a suitable form. In the event of tender being accepted, the contractor shall thereupon, for the purpose of identification, sign copies of the specifications and other documents mentioned in Rule 1. In event of a tender being rejected, the authority shall refund the amount of earnest money deposited by the contractor making the tender, on his giving a receipt for the return of the money.
6. The Director / Officers competent to dispose of the tenders shall have the rights of rejecting any or all of the tenders.
7. The price shall be quoted by the bidder on percentage basis for percentage rate tender and item wise for item rate tender. Rates for Civil & Electrical work shall be quoted separately by the bidder on price schedule (if provided in price bid) however the lowest rate calculated on aggregate sum of two or more price schedules duly converting the quoted value in terms of percentage (for percentage rate tenders) taking corresponding Estimated cost as base value given in the tender.
8. Quantities described in the price schedule may be increase or decrease as per site condition the contractor shall perform the work for deviated quantity at the same rate quoted by him during the submission of tender.
9. No receipt for any payment alleged to have been made by a contractor in regard to any matter relating to this tender or the contract shall be valid and binding on N.I.T. Raipur unless it is signed by the competent authority of NIT Raipur.
10. All works shall be measured net by standard measure and according to the rules and customs of the CPWD without reference to any local custom. Contractor shall carry out the work as per Specification available in CPWD Specification, General Condition of Contract of CPWD.
11. Under no circumstances shall any contractor be entitled to claim enhanced rates for any items in this contract.
12. The measurement of work will be taken according to the usual method on the CPWD and no proposal to adopt alternative methods will be accepted. The competent authority's decision as to what is "the usual method in use in Central Public Works Department" will be final.
13. Every tenderer shall submit along with the tender information regarding the income tax circle of ward of the district in which he is assessed to income tax, the reference to number of the assessment and the assessment year.
14. The contractor will have to construct shed for storing controlled and valuable materials issued to him under Schedule 'A' of the agreement. The materials will then be taken for use in the presence of the departmental person. No materials will be allowed to be removed from the site of works.
15. The tendering contractor should furnish a detailed statement of works in hand, showing the costs of works in hand, the works completed against each with certificate from head of the office concerned.



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GENERAL SPECIFICATION FOR CIVIL WORKS

1. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall generally be carried out in accordance with the “CPWD specifications. (Hereinafter to be referred to as CPWD specifications) and instructions of Engineer-in-Charge. Wherever CPWD specifications are silent the latest IS codes/specification shall be followed.
2. The order of preference in case of any discrepancy as indicated under “Conditions of Contract” given in standard CPWD contract form may be read as the following:
 - i) Nomenclature of items as per schedule of quantities.
 - ii) Particular specification and special condition, if any.
 - iii) CPWD specifications.
 - iv) Architectural Drawings
 - v) Indian standard specifications of B.I.S.
 - vi) Sound Engineering Practice

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

3. The proposed/existing building is a prestigious project and quality of work is paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like stone masonry & stone cladding works, stone flooring, structural glazing, PVDF coating aluminium composite panel and other specialized flooring work, Wood work will specially require engagement of skilled workers having experience particularly in execution of such items.
4. Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved material brought by the contractor shall be immediately removed as soon as directed.
5. The contractor (s) shall quote all inclusive rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned. In the tender documents unless specifically specified otherwise.
6. The quantities mentioned in the schedule of quantity may vary either on higher or lower side however bidder shall be paid on the basis of quoted rate by him in the price bid. In case of execution of extra/



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substituted items during the contract agreement period, the bidder shall be paid as per the rate analysis prepared by the Engineer in Charge of the concern department duly accepted by the contractor/ bidder.

7. For the Items Extra/ Substituted during execution of work, General Practice shall be followed as per GCC of CPWD/ norms adapted/accepted by the Institute whatsoever.
8. Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping/baling out water, if necessary, for which no extra payment shall be made. Those conditions shall be considered to include water from any source such as inflow of flood, surface and sub-soil water etc. and shall apply to the execution in any season.
9. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
10. The foundation trenches shall be kept free from water while works below ground level are in progress.
11. Sanitary and hygiene working and living condition for the workers deployed by the contractor shall be abide by the contractor as per the labor regulations Act/ rules.
12. Disposal of dismantled material Inside the Institute premises up to 2 KM shall be in the scope of bidder Rate shall Quoted by bidder according to site survey and considering all the lead and lifts. However, institute shall reserve the right to retain such material if required.

Contractor

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NIT, RAIPUR (C.G.)



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Acceptance of terms & conditions of tender (Must be on Letter Head)

Date:.....

To,

The Registrar
National Institute of Technology,
Raipur-492010 (Chhattisgarh)

Subject: Acceptance of Terms & conditions of Tender.

Tender ref. No.: NITRR/EE/E.O./ETender/2023/.....

Raipur, Dated:

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) for the above mentioned Tender enquiry no. from the website www.tenderwizard.com/NITR or www.nitrr.ac.in.
2. I/We hereby certify that I/we have read entire terms & conditions of the tender documents from Page 01 to 22 (including all documents like annexure, schedules etc.) which form part of the tender document and I/we shall abide by the terms & conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by NIT Raipur to have also been taken into consideration, while submitting this acceptance letter.
4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in totality/entirely.
5. In case any provisions of this tender are found violated, NIT Raipur shall be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely and we shall not have any claim/right against NIT Raipur in satisfaction of this condition.
6. I/We confirm that we or our proprietor/Director/Partner have not been blacklisted or debarred or declared ineligible for corrupt/fraudulent practices either indefinitely or for a particular period of time by any Government or other agency. I/we further declare that no criminal case is registered or pending against the firm/company or its owner/partners/directors anywhere in India. Also there are no contractual restrictions or legal disqualifications or other obligations which prohibit the applicant from entering into tender process.

(Seal & Signature of the bidder)



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PRICE SHEDULE

Construction work of Chemistry Lab and Physics Lab at the cycle stand ground of the Institute at NIT campus Raipur.

Schedule-A (Civil Works)

Sl. No	Ref. Item No.	Description & Item Specification	Unit	Unit Rate (in Rs.)	Quantity	Amount (in Rs.)
1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.8.1	All kinds of soil.	Cum	286.85	90.00	25816.50
2	2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 (1 cement : 2 coarse sand) to match the existing floor :				
	2.35.3.1	With Chlorpyrifos / Lindane E.C. 20% with 1% concentration.	Sqm.	32.30	447.00	14438.10
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.5	1:3:6 (1 cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size).	Cum	6833.40	34.00	232335.60
4	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	8364.20	32.00	267654.40



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5	5.3	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 stair cases 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 (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	10719.30	25.00	267982.50
6	5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm.	307.95	80.00	24636.00
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm.	804.25	102.00	82033.50
	5.9.21	Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick	Sqm.	699.45	200.00	139890.00
7	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	Kg.	89.65	7000.00	627550.00
8	6.32	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :				
	6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand).	Cum	8190.90	105.00	860044.50
9	8.2	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 coement mortar 1:4 (1 cement : 4 coarse sand), jounts 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.				
	8.2.2	Granite of any colour and shade :				
	8.2.2.2	Area of slab over 0.50 sqm.	Sqm.	4425.35	20.00	88507.00
10	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
	9.1.1	Second class Teak wood	Cum	131576.95	0.76	99998.48



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11	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
	9.20.2	30 mm thick shutters including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm.	2818.50	14.00	39459.00
12	9.48	Providing and fixing M. S. grills of required pattern in frames of windows etc. with M. S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
	9.48.1	Fixed to steel windows by welding.	Kg.	181.00	1110.00	200910.00
13	9.72	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete:				
	9.72.3	100x85x5.5 mm (heavy type).	Each	175.70	23.00	4041.10
14	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete.				
	9.74.3	150x10 mm.	Each	232.30	7.00	1626.10
15	9.75	Providing and fixing bright finished brass door latch with necessary screws etc. complete :				
	9.75.2	250x16x5 mm.	Each	259.80	7.00	1818.60
16	9.78	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete:	Each	1004.80	5.00	5024.00
17	9.81	Providing and fixing bright finished brass handles with screws etc. complete:				
	9.81.1	125 mm.	Each	205.10	14.00	2871.40
18	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	109.60	6.00	657.60
19	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg.	111.95	7648.00	856193.60
20	10.29	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.				
	10.29.2	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	Sqm	971.55	19.00	18459.45



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21	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				
	11.41.2	Size of Tile 600x600 mm.	Sqm	1416.65	446.00	631825.90
22	12.50	Providing and fixing precoated galvanised iron profile sheets (size shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.50 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the steel and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5 x 55 mm) with EPDM Seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	671.55	551.00	370024.05
23	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 cm (+0.05%) total coated thickness, Zinc coating 120 grams per sqm as per IS : 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
	12.51.1	Ridges lain (500-600 mm).	Metre	450.60	46.00	20727.60



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24	12.52	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
	12.52.2	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.	Sqm	1746.25	446.00	778827.50
25	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix :				
	13.7.2	1:4 (1 cement: 4 fine sand).	Sqm	361.30	690.00	249297.00



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26	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix				
	13.8.2	1:4 (1 cement: 4 fine sand)	Sqm	406.10	690.00	280209.00
27	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
	13.48.1	Two or more coats applied on walls @ 1.25 ltr/ 10 sqm over and including one coat of Special primer applied @ 0.75 ltr/10 sqm.	Sqm.	158.95	1178.00	187243.10
28	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	13.61.1	Two or more coats on new work.	Sqm.	131.45	411.00	54025.95
29	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm.	123.85	1178.00	145895.30
30	21.1	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 junction, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, stright, 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 th directions of Engineer-in-charge. (Glazing, paneling and dash faseners to be paid for separately) :				
	21.1.2	For shutters of doors, windows & ventilators including providing and fixing Hinges/ pivots and making provision for fixing of fittings wherever required ncluding the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately).				
	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron).	Kg.	564.80	184.00	103923.20



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31	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partititons etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item) :				
	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10 kg/ sqm)	Sqm	1019.80	30.00	30594.00
32	NSR	Supplying and spearding with compaction.				
	(a)	Moorum.	Cum	807.80	218.00	176100.40
33	NSR	Vineer polish of doors and door frames	Sqm.	21.90	30.00	657.00
34	NSR	Providing and fixing of frame work made of special Section, power pressed from M.S. sheet and galvanised in accordance with zinc coating of 120 gms/sqm (both side inclusive) as per IS:277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 27 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x 10x 0.50 mm of required length, with nuts & bolts of reand other end of angle hangers being fixed with nut bolts of required size and other end of angle hanger fixed with intermediate G.I. Channels 45x15x0.9mm running at the Specing of 1200mm centre to centre to which the ceiling section 0.5mm thick button wedge of 80mm with tapered flanges of 26mm each having lips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64mm dia x 230mm long G.I. wire at every junction including fixing Perimeter channels 0.5 mm-- with Cement board of 8 mm thickness	Sqm	1590.00	85.00	135150.00
35	Total Amount for Schedule-I (civil works)					7026447



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SCHEDULE – B (ELECTRICAL WORKS)

Sl. No.	Reference Items No.	Description & Item Specification	Unit	Unit Rate (in Rs.)	Qty.	Amount (in Rs.)
1	1.10	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 medium class PVC 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.				
	1.10.2	Group B	Point	1182.00	72.00	85104.00
	1.10.3	Group C	Point	1467.00	72.00	105624.00
2	1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq.mm earth wire.	Metre	233.00	350.00	81550.00
	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	275.00	150.00	41250.00
	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	334.00	200.00	66800.00
	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Metre	1005.00	95.00	95475.00
3	1.27	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
	1.27.4	6 Module (200mmX75mm)	Each	402.00	20.00	8040.00
	1.27.5	8 Module (125mmX125mm)	Each	454.00	10.00	4540.00
	1.27.6	12 Module (200mmX150mm)	Each	547.00	12.00	6564.00
4	1.23	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
	1.23.1	5/6 Amps switch	Each	103.00	60.00	6180.00
	1.23.3	15/16 Amp switch.	Each	121.0	40.0	4840.00
	1.23.4	3 Pin 5/6 amps Socket outlet.	Each	122.0	60.0	7320.00
	1.23.5	6 pin 15/16 Amp Socket outlet.	Each	137.0	40.0	5480.00



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5	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
	2.5.3	8 way (4 + 24), Double door .	Each	12833.00	1.00	12833.00
6	NSR	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	NSR (6A)	MCCB 125 Amp 25 KA.	Each	8250.00	1.00	8250.00
7	NSR	Supply Installation of LED panel light on the existing false ceiling lum effici ≥ 100 lum/ watt wattage 30 watt cut out, size: 600 mm x 600 mm.	Each	3873.00	48.00	185904.00
8	NSR	Supply of ceiling fan 1200 mm sweep RPM > 300 Make : Usha, Bajaj, Orient	Each	3050.00	48.00	146400.00
9	NSR	Supply of aluminium armoured cable of 35 sqmm 3.5 core . Make : Polycab, Finolex, Havells.	Metre	437.00	20.00	8740.00
10	7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
	7.7.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	55.00	50.00	2750.00
11	NSR	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, including of 200 A tinned copper bus bar, common neutral link, earth bar, din dar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required).				
	NSR (11A)	8 Way (4 + 24)	Each	18500.00	1.00	18500.00



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12	2.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	2.2.5	200 A, 25 KA, TPMCCB	Each	11016.00	1.00	11016.00
13	2.1	Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.				
	2.1.2	32 Amp TP&N	Each	2152.00	6.00	12912.00
	2.1.3	63 Amp TP&N	Each	3144.00	6.00	18864.00
14	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C", miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.10.1	Single pole.	Each	256.00	36.00	9216.00
	2.10.2	Single pole and neutral.	Each	599.00	6.00	3594.00
15	Total Amount for Schedule-B (Electrical works)					957746
16	Grand Total Amount (Schedule-A Civil works + Schedule-B Electrical works)					7984193

Seal & Signature of contractors

Date.....

Place.....