



No.NITRR/E.O./Open Tender/2017/...3569

Raipur, Date: 29 / 03/2017

OPEN TENDER NOTICE INVITING

Tender are invited by the REGISTRAR, NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR for the under mentioned work from the eligible registered contractors with NITRR/CPWD/PWD/Railway or any State or Central Govt. Undertaking Organization.

Sl. No.	Name of Work	Estimated work amount put to tender	EMD 2% (Rs.)	Time limit for completion	Cost of Tender Form (Rs.)	Date of Download the blank tender form	Last date & time of receipt of sealed tender form
01	Additional Construction of State Bank of India Building, at NITRR.	2257662/-	45153/-	03 Months	1000/-	31/03/2017 to 21/04/2017 Upto 1200 Hrs.	21/04/2017 Upto 1500 Hrs.

The blank tender document to be downloaded from website [www. nitr.ac.in](http://www.nitr.ac.in), however, the cost of tender document to be enclosed with the technical bid.

The Sealed tender documents super-scribed with name of the work and tender enquiry no. to be forwarded to the Registrar, NIT Raipur. The last date of submission is **21/04/2017 up to 1500 Hrs.** and the tender will be opened in the office of Dr. S.V. Deo, (Asst. Prof.Civil Engg. Dept.) on **21/04/2017 at 1600 Hrs.**

The bid should be submitted in two bid system i.e. technical bid & price bid. Each bid will be submitted in separate envelop. The Technical bid must contain EMD & Price of tender document form failing which, the bid will be cancelled & price bid for the same will not be opened.

Note : - Please Quote separately for each tender enquiry mentioning the tender enquiry no. on the top of the envelope.


REGISTRAR (I/C)
N.I.T., RAIPUR (C.G.)

Copy to:

1. P.S. To Director, NIT, Raipur.
2. Dean (P&D), NIT Raipur.
3. DR (F&A) NIT Raipur.
4. Web Master, for uploading Tender.
5. Prof. (I/c) Estate Office (Civil).
6. Estate Office for Notice Board
7. AR (P&O) for Advertisement.
8. Executive Engineer, CPWD Office, for Notice Board.


REGISTRAR (I/C)
N.I.T., RAIPUR (C.G.)



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PART-A

*The eligible contractor's means registered in NITRR/CPWD/PWD/Railway or any State or Central Govt. Undertaking Organization. If they furnish the definite proof from the appropriate authority of having satisfactorily completed three similar works of value 40% or two similar works of value 50% or one similar work of value 80% of estimated cost during last seven years.

Definition of similar works shall reckoned as Civil construction, composite Civil & Electrical construction work, composite Civil & Electrical renovation works of requisite quantum as mentioned above.

The enlistment / registration of the contractors should be valid on the last date of submission of tenders.

In case the last date of submission of tender is extended, the enlistment / registered of contractor should be valid on the original date of submission of tenders.

1. The intending tenderer must read the terms and conditions of NITRR for Tendering carefully. He should only submit his tender if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for tenderer posted on website shall form part of tender document.
3. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be downloaded from website www.nitr.ac.in and NIT can also be downloaded from www.nitr.ac.in free of cost.
4. The tender can only be submitted after uploading the mandatory scanned documents as per list given below.
5. The intending tenderer has to fill all the details such as Banker's name, Demand Draft/Fixed Deposit Receipt /Pay Order/ Banker's Cheque/Bank Guarantee number, amount and date. The amount of EMD can be paid by multiple Demand Draft / Pay Order / Banker's Cheque / Deposit at call receipt / Fixed Deposit Receipts along with multiple Bank Guarantee of any Scheduled Bank if EMD is also acceptable in the form of Bank Guarantee.



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TENDER PROCEDURE:-

1. Manner of Submission of Tender:-

Tender to be submitted in two separate sealed envelops

The Tenderer shall submit the tender and documents in two sealed envelops as below.

1.1 Technical Bid:

The first envelope clearly marked, as “**Technical Bid**” shall contain the following documents.

- 1) Certificate as registered contractor with the CPWD/ PWD of Govt. of Chhattisgarh, or any government /Semi. Govt. agencies as may be applicable.
- 2) PAN No of the firm.
- 3) Demand Draft/FDR of any Nationalised/ Scheduled Bank for the amount of earnest money.
- 4) Details of other works tendered for and in hand with the value of work unfinished on the last date of submission of tender. The certificate from the Heads of the Officers (Not below the rank of Executive Engineer) under whom the works are in progress should be enclosed.
- 5) Attested copy of partnership deed/ memorandum and articles of association, as the case may be if the tenderer is a partnership firm or joint work company.
- 6) Should have a solvency of 40% of estimated cost issued by his bankers. The solvency certificate should be issued after 31.03.2016.
- 7) 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 if required.
- 8) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost.
- 9) Experience of having successfully completed *similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:-

(a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost.

or

(b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost.

or



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- (c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.
- (d) Definition of similar works shall reckoned as Civil construction, composite Civil & Electrical construction work, composite Civil & Electrical renovation works of requisite quantum as mentioned above.

- (e) Completion of work should be duly certified by the officer not below the rank of Executive Engineer/ equivalent grade.

10) Attested copy of the valid registration certificate of sales department and latest clearance certificate from sales tax department.

11) Attested copy of service tax registration no.

1.2 Price Bid Tender :

The second envelope clearly marked "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.

1.3 Submission of Tender :

The two sealed Technical and Price Bid shall be again put together in one common cover and sealed. This sealed cover shall be marked on the left hand top corner 'Tender for the work of _____'. The full name and address of the tenders shall be written on the bottom left hand corner. If submitted by post the sealed envelope marks as above shall be enclosed in another cover properly addressed and shall be sent by registered Post Acknowledgement Due.

1.4 Opening of Tender :

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

1.5 Technical Bid: {Envelop – A}

First of all, Technical Bid of the tender will be opened to verify its contents as per requirements. If the various document contained in this envelope do not meet the requirements of the Department, a note will be



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recorded accordingly by the tender opening authority and the said tenders Envelope B will not be considered for further action and the same will be recorded.

1.6 Price Bid: {Envelop – B}

This Envelope shall be opened after opening the Envelope A only, if contents of Envelope A are found to be acceptable to N.I.T. Raipur. The tendered rates in percentage above / below the estimated rates shall then be read out.

PART-B

NITRR FORM TENDERING

The Registrar, NIT Raipur invites Item rate tenders from approved and eligible Contractors for the works of: **Additional Construction of State Bank of India Building, at NITRR.**

1.1 The work is estimated to cost **Rs. 2257662/-** This estimate, however, is given merely as a rough guide.

1.2 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders.

2. Criteria of eligibility

*The eligible contractors means registered in NITRR/CPWD/PWD/Railways or any State or Central Govt. Undertaking Organization if they furnish the definite proof from the appropriate authority of having satisfactorily completed three similar works of value **40%** or two similar works of value **50%** or one similar work of value **80%** of estimated cost during last seven years.

2.1.1 Agreement shall be drawn with the successful tenderers on prescribed Format .

3. The time allowed for carrying out the work will be **03 Months** from the date of start.

4. The site for the work is available.*

5. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.nitr.ac.in other necessary documents also can be seen in the office of the Executive Engineer, Estate Office, NIT, Raipur between hours of 10:00 AM to 6:00 PM up to 12.00 pm of last date

6. Earnest Money can be paid in the form Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of Director, NIT, Raipur along with Bank Guarantee of any Scheduled Bank wherever applicable.

(i) **Cost of Tender Document – Rs. 1000/-** drawn in favour of the Director, NIT, Raipur.

(ii) **Tender Processing Fee – Rs. 1000/-** drawn in favour of "Director, NIT, Raipur" payable at Raipur.



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Treasury Challan or Demand Draft or Pay Order or Banker's Cheque or Deposit at Call Receipt or FDR or Bank Guarantee against EMD, Cost of Tender Document and Cost of Tender Processing Fee shall be placed in single sealed envelope superscripted as "Earnest Money, Cost of Tender Document and Cost of Tender Processing Fee" with name of work and due date of opening of the tender also mentioned thereon.

The tender submitted shall be opened at 04:00 PM on 21-04-2017.

7. The tender submitted shall become invalid and cost of tender processing fee shall not be refunded if:
 - (i) The tenderers is found ineligible.
 - (ii) Requisite document not found attached.
8. The contractor whose tender is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the 15 Days. This guarantee shall be Deposit at Call receipt of any scheduled bank / Bankers cheque of any scheduled bank / Demand Draft of any scheduled bank / Pay order of any Scheduled Bank of any scheduled bank or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form.
9. Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderers shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderers shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderers implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work and local conditions and other factors having a bearing on the execution of the work.
10. The competent authority on behalf of the Board of Governors, NIT, Raipur does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderers shall be summarily rejected.
11. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
12. The competent authority, of NIT, Raipur reserves to himself the right of accepting the whole or any part of the tender and the tenderers shall be bound to perform the same at the rate quoted.
13. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the



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Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

14. The tender for the works shall remain open for acceptance for a period of **ninety (90) days** from the date of opening of tenders.
15. This Notice Inviting Tender shall form a part of the contract document. The successful tenderers/contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard NIT Form or other Standard NIT Form as applicable.
- 15.1.1 The tenderers must associate himself, with agencies of the appropriate class eligible to tender for each of the minor component individually.
- 15.1.2 Entire work under the scope of composite tender including major and all minor components shall be executed under one agreement.
- 15.1.3 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of the security deposit of the major components of work.

Name of work	Additional Construction of State Bank of India Building, at NITRR.	
Estimated cost of the work:	Civil Items of Work	Rs. 20,19,367.00
Earnest money		Rs. 45,153.00
Performance Guarantee	5% of the tendered value of the work	
Security Deposit	5% of the tendered value of the work	

General rules and direction:

Officer inviting tender	Registrar NIT, Raipur
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SALIENT/ MANDATORY REQUIREMENTS FOR THE TENDER

Name of Work: Additional Construction of State Bank of India Building, at NITRR.

1. The tenderer is advised to read and examine the tender documents for the work and the set of drawings available with Engineer-in-charge. He should inspect and examine the site and its surroundings by himself before submitting his tender.
- 1- Separate schedule of quantity is included in this tender for civil and electrical items of work. If the tenderer wants to offer any unconditional rebates on their rates, the same should also be offered in the respective components of civil and electrical schedule separately. **The contractor shall quote the Item** rates in figures and words accurately so that there is no discrepancy in rates written in figures and words. Lowest bidder /contractor shall be reckoned on total value/rate quoted lowest by the contractor to overall on the Schedule of Work given in the tender document for Serial No. 15&16 . The rate should be inclusive of all taxes only service tax amount should be quoted in addition to the cost of work in Sl. No. 17. Which will be paid as per actual basis.
2. Time allowed for the execution of work is **03 (Three) Months.**
3. The contractor(s) shall submit a detailed program of execution in accordance with the master programme/milestone within ten days from the date of issue of award letter.
4. Contractor has to arrange and install **field laboratory** during the currency of work and nothing extra will be paid on this account.
5. Quality of the project is of utmost importance. This shall be adhered to in accordance with the provisions of NIT specifications and guidelines given in the relevant paras.
6. Contractor has to deploy required Plant and machinery on the project. In case the contractor fails to deploy the plant and machinery whenever required and as per the direction of the Engineer-in-charge, he (Engineer-in-charge) shall be at a liberty to get the same deployed at the risk and cost of the contractor.
7. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Executive Engineer may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.
8. Temporary Electric connection shall be issued as per request and the water charges shall be recovered as per rule.
9. EPF and ESI, if applicable, will be reimbursed on actual basis after due verification.



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QUALITY ASSURANCE OF THE WORK

1. The contractor shall get the source of all other materials, not specified elsewhere in the document, approved from the Engineer-in-Charge. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost. Similarly, the contractor shall submit brand/ make of various materials not specified in the agreement, to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it.
2. **Other Laboratories :**
 1. The contractor shall arrange carrying out of all tests required under the agreement through the laboratory as approved by the Engineer-in-Charge and shall bear all charges in connection therewith including fee for testing. The said cost of tests shall be borne by the contractor.
 2. If the tests, which were to be conducted in the site laboratory are conducted in other laboratories for whatever the reasons, the cost of such tests shall be borne by the contractor.

C) Sampling of Materials:

1. Sample of building materials fittings and other articles required for execution of work shall be got approved from the Engineer-in-Charge. Articles manufactured by companies of repute and approved by the Engineer-in-Charge shall only be used. Articles bearing BIS certification mark shall be used in case the above are not available, the quality of samples brought by the contractor shall be judged by standards laid down in the relevant BIS specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work.
2. The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material/work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-Charge.
3. BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the Engineer-in-Charge besides testing of other materials as per the specifications described for the item/materials. Wherever BIS marked materials are brought to the site of work, the contractor shall if required, by the Engineer-in-Charge furnish manufacturers test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and/or the work done.
4. The contractor shall procure all the materials at least in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.



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5. All materials brought by the contractor for use in the work shall be got checked from the Engineer-in-Charge or his authorized representative of the work on receipt of the same at site before use.
6. The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are in double lock and key system.

ADDITIONAL TERMS AND CONDITIONS

1. Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same.
2. Other agencies doing works related with this project may also simultaneously execute their works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work, pipes cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for the other agencies. Nothing extra over the Agreement rates shall be paid for doing these.
3. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.
- 5.1. The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality and abide by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.
- 5.2. The building work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
6. If as per local Municipal regulations, huts for labour are not to be erected at the site of work, the contractor shall be required to provide such accommodation at a place as is acceptable to the local body and nothing extra shall be paid on this account.
7. The structural and architectural drawings shall at all times be properly co-related before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless otherwise given in writing by the Engineer-in-charge.
- 8.1 Payment toward work will be made through running account Bills at different stages of work/work completion stages should be 25% of the tender cost 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.



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9. The contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked/collected in areas where other buildings, roads, services, compound walls etc. are to be constructed.
10. Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.
11. It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
12. In case the supply of timber/steel frames/shutters for doors, windows etc. is made by some other agency, the contractor shall make necessary arrangements for their safe custody on the direction of the Engineer-in-charge till the same are fixed in position by him & nothing extra shall be paid on this account.
13. The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated these provisions shall apply separately to each phase.
14. The entire royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand etc. collected by him for execution of the work, directly to the Revenue authority or authorized agents of the State Government concerned or the Central Government, as the case may be.
- 15.1. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by the departments and shall construct suitable godowns, yards at the site of work for storing all materials as to be safe against damage by sun, rain, dampness, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose, at his own cost. Materials to be charged directly to work and stipulated for issue free of cost shall also be issued to the contractor as soon as those are received at site or at the stipulated place of issue. The provision of this para shall apply equally and fully to those as well.
- 15.2. All materials obtained from the Institute Works Department store or otherwise on receipt shall be got checked by the Engineer-in-charge of the work or his representations before use.
- 15.3. Registers for the materials to be issued by the department shall be maintained as required by the Engineer-in-charge and these shall be signed by the contractor or his authorized agent and representative of Engineer-in-charge on each day of transactions.



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ADDITIONAL CONTIDIONS FOR CIVIL WORKS

1. a) The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.
b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction.
2. The contractor (s) shall study the soil investigation report for the site, available in the office of the Engineer-in-Charge and satisfy himself about complete characteristics of soil and other parameters of site. However, no claim on the alleged inadequacy or incorrectness of the soil data supplied by the department shall be entertained.
3. The tenderer shall see the approaches to the site. In case any approach from main road is required by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.
4. The contractor (s) shall give to the Municipality, Police and other authorities all necessary notices etc. that may be required by law and obtain all requisite Licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain light and other illumination on for cautioning the public at night.
5. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
6. The contractor shall provide at his own cost suitable weighing surveying and levelling and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
7. Contractor shall provide permanent bench marks and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the levels and locations, given in the Architectural and plumbing drawings.
8. On completion of work, the contractor shall submit at his own cost four prints of "as built" drawings to the Engineer-in-Charge within 30 days of completion of work. These drawings shall have the following information:
 - a) Run of all piping and their diameters including soil waste pipes & vertical stacks.



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- b) Ground and invert levels of all drainage pipes together with locations of all manholes and connections up to outfall.
- c) Run of all water supply lines with diameters, location of control valves, access panels etc.

If above said drawings are not submitted by the contractor with in the above specified time then final bill will not be paid and Security Deposit shall not be released.

- 9. Any cement slurry added over base surface for continuation of concreting for better bond is deemed to have been built in the items and nothing extra shall be payable for extra cement considered in consumption on this account.
- 10. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department.
- 11. The works shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available thereof is complete and unambiguous. The discrepancy, if any shall be brought to the notice of the Engineer-in-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage executing by the commencement of work on the basis of any erroneous and or incomplete information.
- 12. The contractor shall take all precautions to avoid accidents by, exhibiting caution boards day and night, speed limit boards, red flags, red light and providing necessary barriers and other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.
- 13. Other agencies will also simultaneously execute and install the works of electrification, air conditioning, lifts, fire-fighting etc. for this work and the contractor shall provide necessary facilities for the same. The contractor shall leave such recesses, holes openings etc. as may be required for the electric, air-conditioning and other related works (for which inserts, sleeves, brackets, conduits base pinion, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete, stone work & brick work, if required and nothing extra shall be payable on this account.
- 14. All materials obtained from Govt. stores or otherwise shall be get checked by the Engineer-in-Charge or his any authorized supervisor staff on receipt of the same at site before use.
- 15. The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
- 16. All Architectural drawings given in the tender other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless and otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duly approved by the Engineer-in-Charge.



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17. If the work is carried out in more than one shift or during night no claim on this accounts shall be entertained.
18. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
19. The contractor shall be responsible for the watch and ward/guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
20. The day to day receipt and issue accounts of different grade/brand of cement shall be maintained separately in the standard proforma by the Junior. Engineer-in-Charge of work and which shall be duly signed by the contractor or his authorized representative.
21. The contractor shall render all help and assistance in documenting the total sequence of this project by way of photography, slides, audio-video recording etc. Nothing extra shall be payable to the contractor on this account. However cost of photographs, slides, audio/videography etc shall be born by the department.
22. The contractor shall be fully responsible for the safe custody of materials brought by him issued to him even though the materials are under double lock key system.
23. The rate of items of flooring is inclusive of providing sunk flooring at bath rooms kitchen etc. and nothing extra on this accounts is admissible.
24. No payment shall be made to the contractor for any damage caused by rain, snowfall, floods, earthquake or any other natural causes whatsoever during execution of work. The damages of the work will be made good by the contractor at his own cost and no claim on this account shall be entertained.
25. For construction works which are likely to generate malba/rubbish to the tune of more than a tempo/truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at their own cost to the notified/specified dumping ground and under no circumstances these shall be stacked/dumped, even temporarily outside the construction premises.
26. The Plinth Level of Building is to be kept as per Architectural drawings. All the items of works such as PCC, RCC, Brickwork and shuttering etc. in foundation upto this plinth level will be measured and paid as the work done upto plinth level. Nothing extra due to higher plinth will be paid and contractors rates quoted for all these items shall, therefore, be deemed to cater for extra height of plinth.
27. The contractor has to follow all safety norms as laid down in National Building Code of India. All the workers shall be equipped with the required safety gadgets while working at site such as ISI marked helmets, Shoes and safety belts, gumboots, gloves etc.



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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 2009 Vol. 1 and Vol. 2 (with upto date corrections slips). (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 in condition No. 8.1 under "Conditions of Contract" give 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 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 specialised 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.



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6. 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.
7. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
8. The foundation trenches shall be kept free from water while works below ground level are in progress.

REGISTRAR (I/C)
NIT RAIPUR (C.G.)



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SCHEDULE FOR PRICE BID TO BE FILLED BY CONTRACTOR

SEC-A

S.No	DSR Item No.	Description & Item Specification	Unit	Rate	Approx. Qty.	Amount
EARTH WORK:						
1	2.9	Excavation work by mechanical means (Hydraulic excavator)/ manual means in fondation 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 uot the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.				
	2.9.1	Ordinary rock	Cum		30.00	
CEMENT CONCRETE (CAST-IN-SITU):						
2	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 :				
	4.1.2	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size).	Cum		65.00	
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum		15.00	
3	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
	4.3.1	Foundations, footings, bases for coloumns	Sqm		425.00	
STEEL REINFORCEMENT:						
4	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.1	Mild steel and Medium Tensile steel bars.	Kg.		6000.00	
BRICK WORK:						
5	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in :				
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand).	Cum		90.00	
FRAMES AND TRUSSES:						
6	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 seperately).				
	9.1.2	Sal wood	Cum		0.349	
7	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.				
	9.5.1	Second class teass teak wood				
	9.5.1.1	35 mm thick shutters	Sqm		26.80	
STEEL WORK:						



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8	10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS:4454 - part 1 and M.S. top cover of required thickness for rolling shutters.				
	10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sqm		7.00	
VITRIFIED FLOOR TILES:						
9	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), including grouting the joints with white cement and matching pigments ets., complete.				
	11.41.2	Size of Tile 600x600 mm.	Sqm		150.00	
CEMENT PLASTER (IN FINE SAND):						
10	13.1	12 mm cement plaster of mix :				
	13.1.1	1:4 (1 cement : 4 fine sand).	Sqm		770.00	
EXTERIOR FINISHING:						
11	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :				
	13.47.1	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	Sqm		250.00	
12	13.60	Wall painthing with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
	13.60.1	Two of more coats on new work.	Sqm		620.00	
13	13.61	Painting with synthetic enamel paint of approved brand and manufacture to ginve an even shade :				
	13.61.1	Two or more coats on new work.	Sqm		67.00	
14	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		870.00	
INTERIOR FINISHING:						
15	13.43	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
	13.43.1	Water thinnable cement primer	Sqm		620.00	
ROAD WORK:						
16	16.3	Supplying and stacking at site.				
	16.3.10	Moorum	Cum		40.00	
SEC (A) Total Amount Rs.						



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SEC-B

NEW WIRING WORK AT SBI OFFICE, NIT CAMPUS RAIPUR (C.G.)

S.N	DSR Item No.	Discription of item	Unit	Rate	Qty	Amount (Rs.)
Section -I (Wiring)						
1	1.3	Point wiring in steel conduit, with modular type switch Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
	1.3.2	Group B	Point		20	
	1.3.3	Group C	Point		10	
2	1.7	Circuit/submain wiring in steel conduit: Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required.				
	1.7.2	2 X 2.5 sq.mm + 1 X 2.5 sq.mm earth wire	Metre		100	
	1.7.3	2 X 4 sq.mm + 1 X 4 sq.mm earth wire	Metre		100	
3	1.24	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate. Etc. as required.				
	1.24.1	5/6 amps switch	Each		10	
	1.24.3	15/16 amp switch	Each		10	
	1.24.4	3 pin 5/6 amp socket outlet	Each		10	
4	1.24.5	6pin 15/16 amp socket outlet	Each		10	
	1.25	supplying and fitting stepped type electronics fan regulator on the existing modular plate swith box including connection but excluding modular plate etc as required	Each		10	
5	1.27	S/F modular boxes, base & cover plate : Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
	1.27.5	8 Module (125mm X 125mm)	Each		8	
	1.27.6	12 Module (200mm X 150mm)	Each		2	
6	1.28	S/F modular base & cover plate : Supply and fixing following Modular base & cover plate on existing modular metal boxes etc. as required				



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	1.28.5	8 Module	Each		8	
	1.28.6	12 Module	Each		2	
7	1.33	supplying and fixing 3 pin 5amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each		30	
8	1.41	installation testing commissioning of pre wired fluorescent fitting/ compact fluorescent fitting of all type complete with all accessories and tube etc , directly on ceiling wall including connection with 1.5 sq mm FRLS PVC insulated copper conductor single core cable and earthing etc as required	Each		20	
9	1.44	installation testing commissioning of ceiling fan including wiring with down rod of standard length (up to 30 cm) with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as required .	Each		10	
Section –II (MCCB,MCB & DB'S)						
10	2.4	Supplying and fixing following way, horizontal type htree pole and neutral. Sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	2.4.4	4 Way (4+12), Double Door	Each		1	
11	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.10.1	Single pole	Each		12	
	2.10.5	tripole pole and neutral	Each		2	
12	2.18	Supplying and fixing 20 amps, 240 Volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps. "C" Curve, SPMCB, in sheet steel enclosure, of surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each		6	
Section –III (Earthing)						
13	5.6	Earthing with copper earth plate 600mm x 600 mm x 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/coke and salt as required.	Set		1	



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14	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre		30	
SEC (B) Total Amount Rs.						
(15)Total Amount of (SEC A + SEC B) in figures						
(16)Total Amount in words:						
(17)Service Tax amount for the above work						

I hereby agree to do the aforesaid work as per the quoted rate above in sl. No. 15&16 by me.

Signature of Contractor

Date.....

Place.....