



No./NITRR/EE/EO/

0018

Raipur, Dated : 13/04/2018

NOTICE INVITING TENDER

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

S. No.	Name of Work	Estimated amount put to tender	EMD	Time limit for completion	Cost of Tender Form (Rs.)	Last date & time for submission of sealed tender form
1	2	3	4	5	6	8
01	Minor work and repair work of Quarter no. D-2 in NIT Raipur Residential area	<u>Estimated Cost</u> 2682296/-	53646/-	120 Days	1000/-	11/05/2018

The blank tender document may be downloaded from website <https://eprocure.gov.in/cppp/> and from website [www. nitrr.ac.in](http://www.nitrr.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 inquiry no. to be submitted / forwarded to the Registrar, NIT Raipur. The last date of submission is **11/05/2018 up to 1500 Hrs.** and the tender will be opened in the office of Dean (P&D) on same **day 11/05/2018 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 submitted by the bidder shall be treated as cancelled & price bid for the same will not be opened. The bidder should read the tender document and sign on each page of tender document during submission of tender.

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

C.c To:

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

Sd-

Registrar
National Institute of Technology



No./NITRR/EE/EO/ 0018

Raipur, Dated : 13/04/2018
Raipur (C.G.)

NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR

DETAILED TENDER NOTICE TO CONTRACTORS

Sealed Tenders for work of: - Minor work and repair work of Quarter no. D-2 in NIT Raipur Residential area . 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. The Tenders which would be in sealed covers addressed to the Registrar, N.I.T. Raipur with the name of work written at the top of envelop will be received on or before **11/05/2018 up to 1500 Hrs (I.S.T.)** in the office of **The Registrar N.I.T. Raipur** and will be opened on **11/05/2018 at 1600 Hrs p.m. hours** in the presence of bidders or their authorized agents who may choose to be present.

TENDER PROCEDURE:-

1. Manner of Submission of Tender:-

Tender to be submitted in two separate sealed envelopes

The Tenderer shall submit the tender and documents in two sealed envelopes 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) GST Registration certificate copy.
- 4) Demand Draft/FDR of any Nationalised / Scheduled Bank for the amount of earnest money.
- 5) 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 under whom the works are in progress should be enclosed.
- 6) 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.
- 7) Should have a solvency of 40% of estimated cost issued by his bankers. The solvency certificate should be issued after 31.03.2018.



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- 8) 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.
- 9) 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.
- 10) 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
 - (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 5 years calculated from the last date of submission of tender.
 - (iv) Minimum Annual turn over should be 30% of the estimated cost of tender.

The Definition of similar work is any Civil Renovation work/ Building construction work of Government residential buildings/Institutional buildings or any other buildings. (Experience certificate should be certified by the officer not below the rank of Executive Engineer or equivalent.

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 **Minor work and repair work of Quarter no. D-2 in NIT Raipur Residential area**’ The full name and address of the tenderer 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 Pre-Bid Conference:

There shall be a pre-bid conference in which the doubts of the intending tenders shall be, clarified, besides discussions on and additional suggestion proposed by the tenderes. If found necessary, corrigendum to the



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tender documents would be issued to all the intending tenderes, 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

1.6 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 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.

1.7 Price Bid: {Envelop – B}

This Envelope shall be opened after evaluation of 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.

2) Earnest Money:

As per the enclosed statement Earnest money should be paid in the form of DD/FDR in name of the Director, N.I.T. Raipur from Nationalised / Scheduled banks, described as earnest money of the tender to the above work and the receipt challan should be enclosed with the tender. Earnest money in the form of cheque or cash of interest bearing security will not be accepted. 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.

3) Security Deposit:

3A- 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 of security deposit shall commence only when the upto date amount of security deposit starts exceeding the earnest money.

3B- 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



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has deposited the amount of security at the rate mentioned in cash or Government Securities or Fixed Deposit Receipts.

4) Time Limit:

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 and shall be inclusive of monsoon period.

5) 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) 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) 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) Conditional Tender:

The tenders which 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.

11) 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 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) The data whatsoever supplied by the Department along with the tender documents are meant to serve only as guide to the tenders while tendering and the Department accept



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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.

- 12) 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.
- 13) The contractors of the firms tendering for the work shall inform N.I.T. Raipur if they appoint their authorized agent on the work.
- 14) 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.
- 15) 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 from the contractor will be effected from the payment due to the Contractor from any other N.I.T. Raipur works under execution with them.
- 16) 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.
- 17) 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.

18) Validity Period

The offer shall remain open for acceptance for minimum period of **90 days** from the date fixed for opening the same and thereafter until it is withdrawn by the contractor by notice in writing duly addressed to the Director, N.I.T. Raipur and sent by Registered Post Acknowledgement due.

- 19) The tendered rates/ quoted rate by the bidder shall be inclusive of all taxes & liabilities.
- 20) 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.
- 21) The Electricity consumption charges for the work will be recovered as per actual from the contractor's bill, if it is supplied by the institute.

22) Performance Security

- a. Within 21 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
N.I.T. Raipur



NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR

Name of work: Minor work and repair work of Quarter no. D-2 in NIT Raipur Residential area

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 office (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 tendered 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 office, 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.



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- 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. Tender shall have the name and the number of work to which they refer written outside the envelope.
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. 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.
8. 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.
9. Under no circumstances shall any contractor be entitled to claim enhanced rates for any items in this contract.



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10. 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.
11. The tender will be liable to be rejected. If while submitting it, the tendered of in the case of a firm, each partner thereof does not sign or the signature/signatures is /are not attested by a witness on page 11 of the tender in the space provided for the purpose.
12. Every tendered 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.
13. 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.
14. 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.

Contractor

**Registrar
N.I.T. Raipur**



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TENDER OF WORKS

I / We _____ hereby tender for the execution, for the National Institute of Technology, Raipur (hereinbefore and hereinafter referred to as N.I.T. Raipur) of the works specified in the under memorandum within the time specified in such Memorandum showing items of work to be carried out) and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to the annexed conditions of contract and agree that when materials for the work are provided by N.I.T. Raipur such materials and the rates to be paid for them shall be as provided in Schedule 'A' hereto.

MEMORANDUM

a) General Description	_____
b) Estimated cost	Rs. _____
c) The amount of earnest money to be deposited while submitting the tender	Rs. _____
d) Security Deposit payable on account of tender. I. Adjustment of earnest money towards security deposit Rs. _____ II. To be paid in D.D. Within 10 days from the date of receipt of intimation of acceptance of tender. Rs. _____ III. To be deducted from current running on account bil @5% or maximum Rs. _____	
	Total Rs. -----



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e) Time allowed for the work from the date of written order to commence _____ months	Should this tender be accepted I/We _____ hereby agree that this offer shall remain open for acceptance for a minimum period of 120 days from the day fixed for opening the same and thereafter until it is withdrawn by us / by notice in writing duly addressed to the Director N.I.T. Raipur opening the tenders and sent by registered post A.D. or otherwise delivered at the office of such authority DD No. _____ dated _____ in receipt of sum of Rs. _____ representing the earnest money is herewith liable to be forfeited to N.I.T. Raipur Should I / We fail to (1) abide stipulation to keep the offer open for the period mentioned above (2) sign and complete and the contract documents required by the engineer and furnish the security deposit it as specific in item (d) of memorandum contained in paragraph I above within the time limit laid down in clause (i) of the annexed general conditions of the contract. The amount of earnest money may be adjusted towards the security deposit or refunded to me / us if so desired by me / us in writing unless the same or any part of thereof has been forfeited as aforesaid.
	Signature of Contractor Before Submission of tender
Address of Contractor	
Date the _____ day of _____	
	Signature of witness to contractors Signature
Address of Witness Occupation	

I hereby accept the above tender on behalf of N.I.T. Raipur.

Signature of Officers
by whom accepted

Dated

Registrar
NIT Raipur (C.G.)



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PRICE SCHEDULE

SEC-I (CIVIL WORKS)

TILES AND FALSE CEILING WORKS IN STAFF QUARTER NO. D/02, AT NIT CAMPUS RAIPUR.

Sl. No	DSR-2016 Item No.	Description & Item Specification	Unit	Rate	Approx . Qty.	Amount
1	11.49	Providing and laying Vitrified tiles in floor with different size (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
	11.49.2	Size of Tile 600x600 mm.	Sqm	1169.5 5	236.00	276013.80
2	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, block of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	744.80	105.00	78204.00
3	12.45	Providing and fixing False Ceiling at all height including Providing and fixing of frame work made of special Section, power pressed from M.S. sheet and galvanized 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 Spacing 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 thick 27 mm high specification and also including the cost of making				



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		openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting with :				
	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS : 2095- Part I.	Sqm	806.20	103.00	83038.60
4	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
	15.23.1	For thickness of tiles 10 mm to 25 mm.	Sqm	31.55	341.00	10758.55
Total Amount Rs. =						448014.95
Say (A) =						448015.00

PAVER BLOCK & OTHER WORKS IN STAFF QUARTER NO. D/02.

Sl. No	DSR-2016 Item No.	Description & Item Specification	Unit	Rate	Approx. Qty.	Amount
1	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	615.70	120.00	73884.00
2	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-charge. Concealed work , including cutting chases and making good the walls etc.				
	18.8.3	25 mm nominal outer dia Pipes.	Metre	333.6	50.00	16680.00



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	18.8.4	32 mm nominal outer dia Pipes.	Metre	412.9	65.000	26838.50
3	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.				
	15.2.2	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	Cum	997.05	12.00	11964.60
4	13.66	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade :				
	13.66.1	Two or more coats on new work.	Sqm	76.50	600.00	45900.00
Total Amount Rs. =						175267.10
Say (B) =						175267.00

PROVIDING AND FIXING MODULAR KITCHEN, TALL CABINET.

Sl. No	Description & Item Specification	Unit	Rate	Approx. Qty.	Amount
1	Providing and fixing modular kitchen cabinet below the platform of Suitable size in multiple modules of readymade shutter/door of approved brand and manufacture of space wood/ Ecowood/ Crystal/ Slek/ Finewood made of moisture resistant ply board or thickness 18 mm with ISI certified as approved by Engineer-in-charge, fitted with stainless steel grade 304 multipurpose baskets of specified sizes fixed with pairs of 500mm deep telescopic slides of 45 kg weight capacity of approved brand and manufacture of Hettich/ Godrej/ Haffle with necessary screws and fittings etc. complete as per direction of Engineer-in-charge. The ply board surface shall be covered with 1mm thick colour lamination from front and 0.8mm thick balancing lamination from other side and edges binded with poly vinyal chloride edges bidings in matching colour. The base unit is raised to a certain height using 2 nos. Non asbestos high impact polypropylene reinforced cement sheet of approved brand and divided into 4 compartments with 18mm thick moisture resistant ply board covered with 0.8mm thick white mica. Multiple modules consists of :-	Each	56582.97	1.00	56582.97



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	(i) 1 no. multipurpose baskets of Suitable size. (ii) 1 no. Sheet Cutlery basket of Suitable size. (iii) 2 no. multipurpose baskets of Suitable size. (iv) 1 no. multipurpose baskets of Suitable size fitted with Thali attachment. Modules under sink shall have and modules for Cylinder will be installed with Mild steel die punched chromium finished auto close hinges of approved brand & manufacture. Shall have Stainless Steel Detergent & Dust bin Holder of standard size with the front covering revolving doors fixed with mild steel die punched set of half hinges of approved brand and manufacture. The cabinet covering shall have a zinc die casted chrome finished handle of approved brand & manufacture of size 200mm. The modular kitchen shall be assembled and fixed with all necessary fittings and accessories etc. complete as per direction of Engineer-in-charge. i/c all necessary repairs, making good the walls with plastering, painting and matching the existing colour and surface wherever required, cleaning and removing of rubbish to the dumping ground in all lead and lift etc. complete. (All the parts of Modular kitchen should have replaceable guarantee of minimum Two years).				
2	Providing and fixing kitchen tall Cabinet of Suitable size. It shall include two nos. of Wardrobes each of Suitable size made with readymade laminated board made of moisture resistant ply board of thickness 18mm with ISI certified of approved brand and manufacturer of space wood/Ecwood/Crystal /Sleek/ Finewood as approved by Engineer-in-charge. The Ply board surface shall be covered with 1mm thick colour lamination from the front and 0.8mm thick balancing lamination from other side and edges binded with poly vinyal chloride edge bands in matching colours. All the mentioned parts of the cabinet will be multi drilled and assembled by way of mini fix system. The tall cabinet and its wardrobes shall have the 4 multipurpose shelf made of 18 mm thick moisture resistant ply board with 1 mm thick lamination covering on bother sides. The wardrobe shall be covered with double leaf doors of readymade laminated board of approved brand & manufacture of dimension Width 402 mm and Height 1955 mm. Its edges shall be lipped with 2 mm thick poly vinyl chloride edge bands. All the screws required will be oil tempered and treated. The door of wardrobe will be installed with Mild steel die punched chromium finished auto close hinges of approved brand and manufacture fitted with Chromium finished Zinc die casted 200 mm long handles. The cabinet shall be assembled and fixed with all necessary fittings and accessories etc. complete as per direction of Engineer-in-charge. i/c all necessary repairs, making good the walls with plastering, painting and matching the existing colour and surface wherever required, cleaning and removing of rubbish to the dumping ground in all lift and lead etc. complete. (All the parts of Cabinet should have replaceable guarantee of minimum Two Years).	Each	53844.23	1.00	53844.23



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Total Amount Rs. = 110427.20

Say (C) = 110427.00

REPAIRING, COLOUR WASHING, & DOOR WORK IN STAFF QUARTER NO. D/02.

Sl. No	DSR-2016 Item No.	Description & Item Specification	Unit	Rate	Approx. Qty.	Amount
1	4.12	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	Per 50 Kg cement	47.95	103.45	4960.43
2	9.118	Providing and fixing to existing door frames.				
	9.118.3	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm X 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with high Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places.	Sqm	2154.75	12.88	27753.18
3	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	36.95	850.00	31407.50
4	13.60	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:				
	13.60.1	Two or more coats on new work.	Sqm	84.45	850.00	71782.50
5	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	87.35	850.00	74247.50
6	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	8.35	620.00	5177.00
7	14.54	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
	14.54.1	One or more coats on old work.	Sqm	51.30	280.00	14364.00



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8	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.				
	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	Cum	997.05	16.50	16451.33
9	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	22.40	510.00	11424.00
10	22.14	Grading roof for water proofing treatment with :				
	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Sqm	5583.80	16.50	92132.70
11	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 bases cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, molding 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	3113.30	25.00	77832.50
12	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	92743.05	0.87	80686.45
13	9.9	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.				
	9.9.1	Second class teak wood.				
	9.9.1.1	35 mm thick.	Sqm	3059.60	5.70	17439.72
14	9.10	Providing and fixing factory made laminated veneer lumber glazed shutter conforming to IS : 14616 and TADS 15:2001 (Part B), using 4 mm thick float glass panes for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all as per directions of Engineer-in-charges.				
	9.10.1	30 mm thick shutters.	Sqm	2301.90	40.00	92076.00
15	9.72	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete:				
	9.72.3	100x85x5.5 mm (heavy type).	Each	162.45	120.00	19494.00



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16	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete.				
	9.74.1	250x10 mm	Each	313.2	40.00	12528.00
17	9.75	Providing and fixing bright finished brass door latch with necessary screws etc. complete :				
	9.75.1	300x16x5 mm	Each	227.05	24.00	5449.20
18	9.78	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete:	Each	794.55	24.00	19069.20
19	9.81	Providing and fixing bright finished brass handles with screws etc. complete:				
	9.81.1	125 mm	Each	171.20	80.00	13696.00
20	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, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/ paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately).				
	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	444.90	435.00	193531.50
21	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item) :				
	21.3.1	With float glass panes of 4.0 mm thickness.	Sqm	741.50	42.00	31143.00
22	10.29	Providing and fixing fly proof wire gauze to windows, clearstory 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	1041.55	27.00	28121.85
23	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats,				



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		architrave, holdfasts etc. complete and stacking within 50 metres lead :				
	15.12.1	Of area 3 sq. metres and below.	Each	157.85	24.00	3788.40
24	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-in-charge.				
	14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand).	Sqm	264.80	533.00	141138.40
Total Amount Rs. =						1085694.36
Say (D) =						1085694.00

CIVIL ITEMS OF BATHROOM RENOVATION WORK(NON SOR) IN D-02 HOUSE.(shall be read with supply and fixing)

Sl. No.	Item	Unit	Qty.	Approx. market rate	Amount
1	Concealed body for S/L high flow divert (ALD-CHR-079)	Nos	3	3233.20	9699.60
2	Towel rail (AHS-1581H)	Nos.	3	3560.60	10681.80
3	Towel ring (AKP-35721P)	Nos.	3	1062.00	3186.00
4	Soap dispenser (AKP-35735P)	Nos.	3	1687.40	5062.20
5	Toilet paper holder (AKP-35753P)	Nos.	3	1416.00	4248.00
6	Health faucet with 1 metre flexible tube (ALD-577)	Nos.	3	1557.60	4672.80
7	Angle cock (AQT3057N)	Nos.	6	1097.40	6584.40
8	Bottle trap (ALD-769L)	Nos.	3	1368.80	4106.40
9	Single lever basin mixer (KUB-35011FB)	Nos.	3	5003.20	15009.60
10	Bath spout with flange (SPJ-37463)	Nos.	3	1911.60	5734.80
11	Exposed part of single lever (KUB-35081F)	Nos.	3	2902.80	8708.40
12	Slim concealed cistern (CIB-WHT-31801011X)	Nos.	3	4920.60	14761.80
13	Wall hung wc (OPS-WHT-0116)	Nos.	3	15760.00	47280.00
14	Control plate square (CIS-CHR-31181810X)	Nos.	3	1593.00	4779.00
15	Table top wash basin (LYS-WHT-0555)	Nos.	3	7835.20	23505.60
16	Table top wash basin (FLS-WHT-0539)	Nos.	1	6596.20	6596.20
17	Overhead shower (OHS1805)	Nos.	3	4484.00	13452.00
18	Shower arm (SHA-457L200)	Nos.	3	1357.00	4071.00
19	Hand shower (HSH-1797)	Nos.	3	4318.80	12956.40
20	Hand shower tube (SHA-549D12)	Nos.	3	1250.80	3752.40
21	Wall bracket (SHA-555)	Nos.	3	507.40	1522.20
22	Two way bib cock with flange (KUB-35041F)	Nos.	3	1852.60	5557.80
23	Gents urinal (URS-WHT-0702)	Nos.	1	7457.60	7457.60
24	Pressmatic cock (PRS-073)	Nos.	1	2135.80	2135.80
25	Granite platform	Sqft.	16	2902.80	46444.80
26	Wall tiles	Sqft.	93	1947.00	181071.00



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27	Mirror	Nos.	4	1400.00	5600.00
Total Amount Rs.					458637.60
Grand total amount in figure (A, + B, + C, + D, + E) SEC - I					2278041.00

SEC-II (ELECTRICAL WORKS)

new wiring work for the residential qtr (D-2)

Sl. No.	DSR Item No. 2016	Description of item	Unit	Rate	Qty	Amount (Rs.)
Section –I (Wiring)						
1	1.1	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 medium class pvc conduit, with modular switch, modular plate, suitable GI box and earthling the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
	110.1	Group A	Point	548.00	20	10960.00
	1.10.2	Group B	Point	615.00	40	24600.00
	1.10.3	Group C	Point	757.00	10	7570.00
2	1.14	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class pvc conduit as required.				
	1.14.2	2 X 2.5 sq.mm + 1 X 2.5 sq.mm earth wire	Metre	137.00	400	54800.00
	1.14.3	2 X 4 sq.mm + 1 X 4 sq.mm earth wire	Metre	168.00	450	75600.00
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	84.00	40	3360.00
	1.24.3	15/16 amp switch	Each	114.00	30	3420.00
	1.24.4	3 pin 5/6 amp socket outlet	Each	81.00	40	3240.00
	1.24.5	6pin 15/16socket outlet	Each	153.00	30	4590.00
4	1.25	supplying and fitting stepped type electronics fan regulator on the existing modular plate switch box including connection but excluding modular plate etc as required	Each	288.00	10	2880.00
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				



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		switches in recess etc as required.				
	1.27.4	6Module (200mm X 75mm)	Each	258.00	20	5160.00
	1.27.5	8 Module (125mm X 125mm)	Each	297.00	20	5940.00
	1.27.6	12 Module (200mm X 150mm)	Each	344.00	10	3440.00
6	1.33	supplying and fixing 3 pin 5amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	46.00	80	3680.00
7	1.34	supplying and fixing brass batten/ angle holder including connection etc as required	Each	75.00	10	750.00
8	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	105.00	8	840.00
Section –II (MCCB,MCB & DB'S)						
9	2.4	Supplying and fixing following way, horizontal type three pole and neutral. Sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper bus bar, neutral bus ba, earth bar,din bar, interconnections, powder panted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	2.4.2	6 Way (4+18), Double Door	Each	2659.00	1	2659.00
10	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	173.00	18	3114.00
	2.10.5	TPN	Each	891.00	1	891.00
11	2.18	Supplying and fixing 20 amps, 240 Volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps. "C" Curve, SPMCB, in sheet stell enclosure, of surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	980.00	10	9800.00
Earthing section						
12	5.5	Earthing with copper earth plate 600mm x 600 mm x 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking aggrangment and watering pipe of 2.7 meter long etc. with charcoal/coke and salt as required.	Set	7543.00	2	15086.00
13	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	698.00	10	6980.00
14	5.17	providing and fixing 4mm dia copper wire on surface or in recess for loop earthing as required	Metre	87.00	60	5220.00
Non SOR Items						



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15	NSR	Supplying of (1x1)sq feet pannel light 12 W, LED Type (Make- Havells,) mod no - led /LHEBOPNUZ1WO12	Each	2910.00	34	98940.00
16	NSR	Supplying T5 28 W, LED Type (Make- Havells,)	Each	500.00	10	5000.00
17	NSR	Supplying of ceiling fan ,72 w , 3 blad with fitting accessories mod no - 1200mm sweep beige broun fhcfu5sbbr48				
	(a)	sweep - 1200 mm , 400 rpm	Each	3050.00	6	18300.00
18	NSR	Supplying of Exhaust fan 36 w ,3 blad with fitting accessories model noo - 250mm sweep whitefhvvedxowh10				
	(a)	250mm, 1200rpm	Each	1700.00	4	6800.00
19	(a)	dismantling /taking out point wiring from surface, PVC/steel condute including wire , condute, switch, socket , sheet, junction box cover etc as required including making bundles , shifting of dismantled material to dep. Store	point	18.50	70	1295.00
20		dismantling /taking out old circuit / sub main wiring from surface of following size including wire conduit including making bundle , shifting of material to dep. of store.				
	(a)	up to 6 sqmm	Metr e	2.80	300	840.00
21		repairing wall /ceilling surface along dismantled surface conduit point wiring by refilling the hole with cement mortat & finished with matching distemper /paint	ponit	1.40	500	700.00
22	NSR	supply of 25sqmm 3 1/2 core AL armmored cable	Metr e	50.00	150	7500.00
23	NSR	laying of one no . PVC insulated & PVC sheathed/XLPE power cable of 1.1kv grad of following size direct in ground including excavation, sand cushioning, protective covering with DWC pipe and refilling the trench etc as rquired				
	(a)	up to 35sqmm	Metr e	206.00	50	10300.00
Total Cost (SEC-II)						404255

Grand Total Amount of (SEC I + SEC II)		2682296.00
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I/We hereby agree to carry out above work % **Above/Below**
(in figures) % Above/ Below (in words)
at rates given.

Seal & Signature of contractors



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर
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Date.....

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Place.....