

**INVITATION FOR QUOTATIONS FOR CONSTRUCTION OF
CIVIL WORKS UNDER PROCEDURE**

To

Dear Sirs,

Sub : INVITATION FOR QUOTATIONS FOR CONSTRUCTION OF **CW-01**

1. You are invited to submit your most competitive quotation for the following works:-

Brief Description of the Works	Approximate value of Works (Rs.)	Period of Completion (In Days)
Renovation of CNC Laboratory	960815	180
2. Government of India has received a credit from the International Development Association (IDA) in various currencies equivalent to US\$ 24300000000 towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. To assist you in the preparation of your quotation, we are enclosing the following:
 - i. Layout Drawings of the works;
 - ii. Structural Details;
 - iii. Detailed Bill of Quantities, with estimated rates and prices;
 - iv. Technical Specifications;
 - v. Instructions to Bidders (in two sections).
 - vi. Draft Contract Agreement format, which will be used for finalizing the agreement for this Contract.
4. You are requested to provide your offer latest by **15:00** hrs. on **28-Apr-2015**
5. Quotations will be opened in the presence of Bidders or their representatives who choose to attend at **15:00** AM/PM on **28-Apr-2015** in the office of **National Institute of Technology (Formerly Engineering College, Raipur) Raipur – 492 010 (Chhattishgarh)**
6. We look forward to receiving your quotations and thank you for your interest in this project.

Name: National Institute of Technology, Raipur
Address:
National Institute of Technology (Formerly Engineering
College, Raipur) Raipur – 492 010 (Chhattishgarh)
Tel. No:
0771-2254200 Fax No. 0771-2254600

Instructions to Bidders

SECTION - A

1. Scope of Works

The **National Institute of Technology, Raipur** invites quotations for the construction of works as detailed in the table given below

Brief Description of the Works	Approximate value of Works (Rs.)	Period of Completion (In Days)
Renovation of CNC Laboratory	960815	180

The successful bidder will be expected to complete the works by the intended completion date specified above.

2. Qualification of the bidder:

The bidder shall provide qualification information which shall include:-

- Total monetary value of construction works performed for each year of the last 3 years;
- Income tax clearance certificate from the concerned IT circle;
- Report on his financial standing; and
- Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.

3. To qualify for award of the contract the bidder:-
- should have satisfactorily completed as a prime contractor at least one similar work of value not less than Rs. 500,000 in the last three years;
 - should possess valid electrical license for executing building electrification works (in the event of the works being sub - contracted, the sub-contractor should have the necessary license);
 - should possess required valid license for executing the water supply/sanitary works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);

4. Bid Price

- The contract shall be for the whole works as described in the Bill of quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
- All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- The rates should be quoted in Indian Rupees only.

5. Submission of Quotations

5.1 The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the quotation.

5.2 Each bidder shall submit only one quotation.

5.3 The quotation submitted by the bidder shall comprise the following :-

- Quotation in the format given in Section B.
- Signed Bill of Quantities ; and
- Qualification information form given in Section B duly completed.

5.4 The bidder shall seal the quotation in an envelope addressed to the **National Institute of Technology (Formerly Engineering College, Raipur) Raipur - 492 010 (Chhattishgarh)** (Purchaser). The envelope will also bear the following identification:-

- Quotation for **CW-01** (Name of the Contract)

- Do not open before **15:00 28-Apr-2015** (time and date of quotation opening).
- 5.5** Quotations must be received in the office of the **National Institute of Technology, Raipur** (Employer) not later than the time and date given in the letter of invitation. If the specified date is declared a holiday, quotations shall be received upto the appointed time on the next working day.
- 1.6** Any quotation received by the **National Institute of Technology, Raipur**, (Employer) after the deadline for submission of quotations will be rejected and returned unopened to the bidder.
- 6. Validity of Quotation**
Quotation shall remain valid for a period not less than **55** days after the deadline date specified for submission.
- 7. Opening of Quotations**
Quotations will be opened in the presence of bidders or their representatives who choose to attend on the date and time and at the place specified in the letter of invitation.
- 8.** Information relating to evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.
- 9. Evaluation of Quotations**
The Employer will evaluate and compare the quotations determined to be substantially responsive i.e. which
 - (a) meet the qualification criteria specified in clause 3 above;
 - (b) are properly signed ; and
 - (c) conform to the terms and conditions, specifications and drawings without material deviations.
- 10. Award of contract**
The Employer will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria.
- 10.1** Notwithstanding the above, the Employer reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 10.2** The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the quotation validity period.
- 11. Performance Security**
Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to the **National Institute of Technology, Raipur** (Employer) the performance security (either a bank guarantee or a bank draft in favour of the Employer) for an amount equivalent of 3 % of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work, specified in clause 12.
- 12. Period of Maintenance :**
The "Period of Maintenance" for the work is six months from the date of taking over possession or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.
- 13.** Purchase of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.

SECTION - B

1. **Format for Qualification Information.**
2. **Format for Submission of Quotation.**
3. **Format of Letter of Acceptance.**

QUALIFICATION INFORMATION

1 For Individual Bidders

1.1 Principal place of business: _____

Power of attorney of signatory of Quotation.

[Attach copy]

1.2 Total value of Civil Engineering construction work performed in the last three years (in Rs. Lakhs)

19__	_____
19__	_____
19__	_____

1.3 Work performed as prime contractor (in the same name) on works of a similar nature over the last three years.

Project Name	Name of Employer	Description of work	Contract No.	Value of contract (Rs. Lakhs)	Date of issue of work order	Stipulated period of completion	Actual date of completion	Remarks explaining reasons for delay and work completed

Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Value of Contract (Rs. Lakh)	Stipulated period of completion	Value of works* remaining to be completed (Rs. Lakhs)	Anticipated date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)

* Enclose a certificate from Engineer concerned.

1.4 Proposed subcontracts and firms involved.

Sections of the works	Value of Sub-contract	Sub-contractor (name & address)	Experience in similar work
*	*	*	*
*	*	*	*
*	*	*	*
	*	*	*
	*	*	*

1.5 Evidence of access to financial resources to meet the requirements of working capital: cash in hand, lines of credit, etc. List them below and attach copies of support documents.

1.6 Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.

1.7 Information on litigation history in which the Bidder is involved.

Other party (ies)	Employer	Cause of dispute	Amount involved	Remarks showing present status

QUOTATION

*

Description of the Works:

To:

Subject : Construction of
.....

Reference : Letter No.....dated.....from.....

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith at percentage above / below the estimated rates, i.e., for a total Contract Price of -

Rs.** [in figures]
Rs. [in words].

This quotation and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

We hereby confirm that this quotation is valid for 45 days as required in Clause 6 of the Instructions to Bidders.

Yours faithfully,

Authorized Signature : Date:

Name & Title of Signatory :
Name of Bidder :
Address :

* To be filled in by the Employer before issue of the Letter of Invitation.

** To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this Form.

**LETTER OF ACCEPTANCE
CUM NOTICE TO PROCEED WITH THE WORK**

(LETTERHEAD OF THE EMPLOYER)

Dated : _____

[Name and address of the Contractor]

To : _____

Dear Sirs,

This is to notify you that your Quotation dated _____ for execution of the
_____ for the contract price of
Rupees _____ [amount in words and figures], is hereby
accepted by us.

You are hereby requested to furnish performance security for an amount of Rs.
_____ (equivalent to 3% of the contract price) within 15 days of the receipt of the
letter. The Performance Security in the form of Bank guarantee or a Bank draft in favour of
.....(Employer) shall be valid till the expiry of the period of maintenance i.e. upto
_____. Failure to furnish the Performance Security will entail cancellation of the
award of contract.

You are also requested to sign the agreement form and proceed with the work not later than
_____ under the instructions of the Engineer,
_____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and your furnishing the Performance Security,
contract for the above said work stands concluded.

Yours faithfully,

**Authorized Signature
Name and title of Signatory**

Draft Agreement form for Construction through National Shopping

ARTICLES OF AGREEMENT

This deed of agreement is made in the form of agreement on _____ day _____ month _____ 199 ____, between the _____ (Employer) or his authorized representative (hereinafter referred to as the first party) and _____ (Name of the Contractor), S/O _____ resident of _____ (hereinafter referred to as the second party), to execute the work of construction of _____ (hereinafter referred to as works) on the following terms and conditions.

2. Cost of the Contract

The total cost of the works (hereinafter referred to as the "total cost") is Rs. _____ as reflected in Annexure - A.

3.1 Payments under its contract:

Payments to the second party for the construction work will be released by the first party in the following manner:-

On signing of agreement	:	0% of total cost
On reaching plinth level (first stage)	:	0% of the total cost
On reaching lintel level (second stage)	:	0% of the total cost
On reaching roof level (third stage)	:	0% of the total cost
Plastering and completion of whole work (fourth stage)	:	100% of the total cost

(The above has been drafted for construction of school buildings; modify this suitably for other works)

3.2 Payments at each stage will be made by the first party:

- on the second party submitting an invoice for an equivalent amount ;
- on certification of the invoice (except for the first installment) by the engineer nominated by the first party with respect to quality of works in the format in Annexure - B; and
- upon proper and justified utilization of at least 50 % of the previous installment and 100 % of any prior installment.

4. Notice by Contractor to Engineer

The second party, on the works reaching each stage of construction, issue a notice to the first party or the Engineer nominated by the first party (who is responsible for supervising the contractor, administering the contract, certifying the payments due to the contractor, issuing and valuing variations to the contract, awarding extensions of time etc.), to visit the site for certification of stage completion. Within 15 days of the receipt of such notice, the first party or the engineer nominated by it, will ensure issue of stage completion certificate after due verification.

5. Completion time

The works should be completed in _____ (months/weeks/days) from the date of this Agreement. In exceptional circumstances, the time period stated in this clause may be extended in writing by mutual consent of both the parties.

6. If any of the compensation events mentioned below would prevent the work being completed by the intended completion date, the first party will decide on the intended completion date being extended by a suitable period :

- The first party does not give access to the site or a part thereof by the agreed period.
- The first party orders a delay or does not issue completed drawings, specifications or instructions for execution of the work on time.
- Ground conditions are substantially more adverse than could reasonably have been

assumed before issue of letter of acceptance and from information provided to second party or from visual inspection of the site.

- d) Payments due to the second party are delayed without reason.
- e) Certification for stage completion of the work is delayed unreasonably.

7. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ Rs.* per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 10% of the contract amount.

(Note : The amount of liquidated damages per day should be determined at 0.07 % of the contract value of the works and indicated here).

8. Duties and responsibilities of the first party

- 8.1 The first party shall be responsible for providing regular and frequent supervision and guidance to the second party for carrying out the works as per specifications. This will include written guidelines and regular site visit of the authorized personnel of the first party, for checking quality of material and construction to ensure that it is as per the norms.
- 8.2 The first party shall supply 3 sets of drawings, specifications and guidelines to the second party for the proposed works.
- 8.3 Possession of the site will be handed over to the second party within 10 days of signing of the agreement.
- 8.4 The Engineer or such other person as may be authorized by the first party shall hold meeting once in a month where the second party or his representative at site will submit the latest information including progress report and difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a particular day to take stock of activities.
- 8.5 The Engineer shall record his observations/instructions at the time of his site visit in a site register maintained by the second party. The second party will carry out the instructions and promptly rectify any deviations pointed out by the engineer. If the deviations are not rectified, within the time specified in the Engineer's notice, the first party as well as the engineer nominated by it, may instruct stoppage or suspension of the construction. It shall thereupon be open to the first party or the engineer to have the deviations rectified at the cost of the second party.

9. Duties and responsibilities of the second party

9.1 The second party shall :

- a) take up the works and arrange for its completion within the time period stipulated in clause 5;
- b) employ suitable skilled persons to carry out the works ;
- c) regularly supervise and monitor the progress of work ;
- d) abide by the technical suggestions / direction of supervisory personnel including engineers etc. regarding building construction ;
- e) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification ;
- f) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation ;
- g) keep the first party informed about the progress of work ;
- h) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and
- i) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims.
- f) Pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will effect deduction from running bills in respect of such taxes as may be imposed under the law).

10. Variations / Extra Items

The works shall be carried out by the second party in accordance with the approved drawings and specifications. However, if, on account of site conditions or any other factors, variations are considered necessary, the following procedure shall be followed:-

- a) The second party shall provide the Engineer with a quotation for carrying out the Variation when requested to do so by the Engineer. The Engineer shall assess the quotation, which shall be given within seven days of the request before the Variation is ordered.
- b) If the quotation given by the second party is unreasonable, the Engineer may order the Variation and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the Variation on the Contractor's costs.
- c) The second party shall not be entitled to additional payment for costs which could have been avoided by giving early warning.

11. Securities

The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee.

12. Termination

12.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

12.2 Fundamental breaches of Contract include, but shall not be limited to the following:

- (a) the contractor stops work for 28 days and the stoppage has not been authorized by the Engineer;
- (b) the Contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
- (d) the Contractor does not maintain a security which is required;

12.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.

12.4 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

13. Payment upon Termination

13.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law.

13.2 If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

14. Dispute settlement

If over the works, any dispute arises between the two parties, relating to any aspects of this Agreement, the parties shall first attempt to settle the dispute through mutual and amicable consultation.

In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Superintending Engineer, PWD to be appointed by the

first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

S.No	DSR-2013	Description of work
Item No.		

Annexure-A

Bill of Quantities

S.No	DSR-2013	Description of work	Unit	Rate (Rs.)	Qty.	Estimated Cost	In Words	Amount (Rs.)
Item No.						In Amount		
1	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.						
	9.97.2	250x10 mm	Each	90.65	2.00	181.30	One hundred and Eighty One rupees thirteen paise	
2	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.						
	9.100.1	125 mm	Each	66.95	4.00	267.80	Two hundred and sixty seven Rupees and Eight Paise	
3	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 etc. complete.						
	11.41.2	Size of Tile 600x600 mm	Sqm	1402.55	116.00	162695.80	One lac Sixty Two Thousand Six Hundred & Ninety Five Rupees and Eighty Paise	
4	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 galvanised in accordance with zinc coating of 120 gms/sqm (both side inclusive) as per IS 277 and consisting of angle cleats of size 25mm wide x 16mm 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 round other end of fixed with intermediate G.I. Channels 45x15x0.9mm running at the Specing of 1200mm centre to centre to which the ceiling section 0.5mm thick button wedge of 80mm with tapered flanges of 76mm 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 fixnuremeter channels 0.5 mm thick, 27 mm high						
	12.45.1	having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @250 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointin primer suitable for board, all as per manufacturer's specification and also including the cost of making 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 1	Sqm	804.80	110.00	88528.00	Eighty Eight thousand Five hundred & Twenty eight Rupees Only	
5	12.50	Providing and fixing precast galvanised iron profile sheets (size shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+/- 0.05%) total coated thickness with zinc coating 120 grams per sqm as per IS : 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre of as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ Self tapping screws of size (5.5x55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of putlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	615.35	208.00	127992.80	One lac Twenty Seven Thousand Nine Hundred and Ninety Two Rupees Eighty Paise Only	

S.No	DSR-2013 Item No.	Description of work	Unit	Rate (Rs.)	Qty.	Estimated Cost		Amount (Rs.)
6	13.43	Applying one coats or water thinnable cement primer of approved brand and manufacture on wall surface.						
	13.43.1	Water thinnable cement primer	Sqm	31.55	275.00	8676.25	Eight Thousand Six Hundred & Seventy Six Rupees and Twenty Five Paisa	
7	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	71.65	275.00	19703.75	Nineteen Thousand Seven Hundred & Three Rupees Only	
8	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	85.40	275.00	23484.00	Twenty Three Thousand Four Hundred & Eighty Four Rupees	
	14.46	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	9.00	318.00	2862.00	Two Thousand Eight Hundred & sixty Two Rupees	
10	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	41.35	43.00	1778.05	One Thousand Seven Hundred & Seventy Eight Rupees and Five Paisa	
11	15.28	Dismantling roofing including ridges, hips, valleys and gutters etc. and stacking the material within 50 metres lead of.						
	15.28.1	G.S. sheet	Sqm	56.80	208.00	11814.40	Eleven Thousand Eight Hundred & Fourteen Rupees and Four Paisa	
12	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, straight, milled and jointed mechanically wherever required including cleat angle. Aluminum snap heading for glazing/ paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and in directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately).						
	21.1.1	For fixed portion						
13	21.1.1.1	anodised aluminium (anodised transparent or dyed to required shade according to IS : 1868. Minimum anodic coating of grade AC 15)	Kg.	343.70	175.00	60147.50	Sixty Thousand One Hundred and Fourty Seven Rupees and Fifty Paisa	
	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)						
14	21.1.2.1	anodised aluminium (anodised transparent or dyed to required shade according to IS : 1868. Minimum anodic coating of grade AC 15)	Kg.	397.75	65.00	25853.75	Twenty Five Thousand Eight hundred & Fifty Three Rupees and Seventy Five Paisa	
	21.2	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partitions frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and in directions of Engineer-in-charge.						
15	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	Sqm	1017.25	45.00	45776.25	Fourty Five Thousand Seven Hundred and Seventy Six rupees and Twenty Five Paisa	
	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 heading shall be paid in basic item).						
16	21.3.1	With float glass panes of 4.0 mm thickness.	Sqm	790.00	25.00	19750.00	Nineteen Thousand Seven Hundred & Fifty Rupees	
	21.13	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	386.80	2.00	773.60	Seven Hundred Seventy Three Rupees and Sixty Paisa only	

S.No	DSR-2013	Description of work	Unit	Rate (Rs.)	Qty.	Estimated Cost		Amount (Rs.)
Item No.								
Electrical Renovation Work								
Section -I (Wiring)								
17	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.m 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.m. FR PVC insulated copper conductor single core cable etc as required.						
	1.3.2	Group B	Point	769.00	20	15380.00	Fifteen Thousand Three Hundred and Eighty Rupees	
	1.3.3	Group C	Point	960.00	10	9600.00	Nine Thousand six Hundred Rupees	
18	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	200.00	100	20000.00	Twenty Thousand Rupees	
	1.7.3	2 X 4 sq mm + 1 X 4 sq mm earth wire	Metre	231.00	100	23100.00	Twenty Three Thousand and One Hundred Rupees	
	1.7.10	4 X 10 sq mm + 2 X 10 sq mm earth wire	Metre	803.00	100	80300.00	Eighty Three Thousand And Three Hundred Only	
19	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	81.00	8	648.00	Six Hundred and Fourty Eight Rupees	
	1.24.4	3 pin 5/6 amp socket outlet	Each	79.00	8	632.00	Six Thousand Thirty Two only	
20	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.						
	1.27.6	12 Module (200mm X 150mm)	Each	334.00	4	1336.00	One Thousand Three Hundred & Thirty Six	
21	1.28	S/F modular base & cover plate : Supply and fixing following Modular base & cover plate on existing modular metal boxes etc. as required						
	1.28.6	12 Module	Each	162.00	4	648.00	Six Hundred & Fourty Eight Rupees	
Section -II (MCB, MCB & DBS)								
22	2.2	Providing and fixing following rating and breaking capacity and pole MOCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.						
	2.2.15	200 Amp., 36 K.A, FPNMCCB	Each	13118.00	1	13118.00	Thirteen Thousand One Hundred and Eighteen Rupees	
23	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 tuned copper bus bar, neutral bus bar, earth bar/din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/solator)	Each					
	2.4.5	6 Way (4+18), Double Door	Each	2636.00	1	2636.00	Two Thousand Six Hundred & Thirty Six Rupees	
24	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	169.00	6	1014.00	One Thousand Fourteen Rupees	
25	2.20	Supplying and fixing 30 amps, 415 Volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 amps, "C" Curve, TPNMCB, in sheet steel enclosure, of surface or in recess, with charned metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	2473.00	6	14838.00	Fourteen Thousand Eight hundred & Thirty Eight Rupees	
26	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	9292.00	2	18584.00	Eighteen Thousand Five Hundred & Eighty Four Rupees	
27	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	856.00	20	17120.00	Seventeen Thousand One Hundred & Twenty Rupees	

S.No	DSR-2013	Description of work	Unit	Rate (Rs.)	Qty.	Estimated Cost	Amount (Rs.)
28	5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required		99.00	30	2970.00	Two Thousand Nine Hundred and Seventy Rupees
Section -V (Non DSR Item)							
29	M/R	Supplying & fixing 200 Amp, Three phase 415 v (250mmx250mmx125mm) size, 8 point output Copper bus bar with enclosure fitting clamp nut-bolt etc.	Each	3300.00	1	3300.00	Three Thousand and Three Hundred Rupees
30	M/R	Supply of AC 200/250 Volt, 50 Hz, Energy efficient Wall Fan with blade & fitting Accessories (01 No Capacitor etc.)(Make- Havells, Bajaj, CG)					
	(a)	400mm sweep	Each	2200.00	8	17600.00	Seventeen Thousand and Six Hundred Rupees
31	M/R	Supplying & fixing Down Light, 24 W, LED Type(Make- Havells, Bajaj, CG)	Each	3047.00	15	45705.00	Fourty Five Thousand Seven Hundred & Five Rupees
32	M/R	Supply and fixing of ISI marked aluminium conductor XLPE insulated cable as per IS 7098, armoured, served sheathed 1100 volt grade with suitable size clamp					
	(a)	50 sqmm 3 1/2 core	Metre	360.00	200	72000.00	Seventy Two Thousand Rupees
		Total Value of Work (Civil + Electrical)				960814.25	Nine Lakh Sixty Thousand Eight Hundred And Fourteen Rupees

Gross Total Cost : Rs.

We agree to execute the works in accordance with the approved drawings and technical specifications at percentage above/ below the estimated rates,i.e., for a total contract price of Rs. (Amount in figures)
(Rs. Amount in words).

Signature of Contractor

Annexure-B

Format of certificate

Certified that the works up to ----- level in respect of construction of ----- at ----- have been executed in accordance with the approved drawing and technical specifications.

Place :
Date :

Signature
Name & Designation
(Official address)

Office seal