



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR, WEST BENGAL 721302

TENDER DOCUMENT

for

Face Lifting work at Zakir Hussain Hall of Residence in IIT
Kharagpur.

NIT No. IW/CE/NIT/1819/104

Tender Serial No. _____ Issued to:

.....
.....
.....



Contents

1.	NOTICE INVITING TENDER	2
1.1.	INTRODUCTION	2
1.2.	PARTICULARS	2
1.3.	ELIGIBILITY CRITERIA	3
2.	INFORMATION TO BIDDERS	4
2.1.	SCOPE OF WORK.....	4
2.2.	GENERAL INSTRUCTIONS	4
2.3.	SUBMISSION OF TENDER	5
2.4.	EVALUATION OF BIDS AND AWARD OF WORK.....	5
3.	UNDERTAKING BY THE BIDDER	7
	Annexure(s).....	8
	PRICE BID (BOQ).....	9-17



1. NOTICE INVITING TENDER

1.1. INTRODUCTION

Indian Institute of Technology (IIT) Kharagpur, hereinafter called IITKGP, invites sealed tenders from the eligible contractors for Face Lifting work at Zakir Hussain Hall of Residence in IIT Kharagpur. Particulars of the project are as following.

1.2. PARTICULARS

1.NIT Number	NIT No. IW/CE/NIT/1819/104
2.Name of Work	Face Lifting work at Zakir Hussain Hall of Residence in IIT Kharagpur.
3.Location of Work	Zakir Hussain Hall of Residence
4.Estimated Cost(including GST)	₹ 91 78 305/- (Rupees Ninety One Lakhs Seventy Eight Thousand Three Hundred and Five Only)
5.Earnest Money Deposit	₹ 1 83 567/- (Rupees One Lakh Eighty Three Thousand Five Hundred and Sixty Seven Only)
6.Time Limitfor Execution	540 days from Date of Start
7.Tender Fee	₹ 1,000/- (Non-refundable)
8.Tender Basis and Mode	Two stage(Technical Bid & Financial Bid)
9.Mode of Payment to IITKGP (Tender Fee & EMD)	Demand Draft / Pay order in favour of IIT Kharagpur payable at Kharagpur.
10.Date, Time & Venue of Pre-bid Meeting	21 Feb 2019, 16:30hrs, CCM Meeting Room, 1 st Fl, Old Bldg., IIT Kharagpur, Kharagpur-721302
11.Closing Date & Time for Receipt of bids	28 Feb 2019 up to 15:00hrs
12.Date& Time for Opening of Technical Bid	28 Feb 2019 at 15:30hrs
13.Date& Time for Opening of Price Bid	To be intimated to the eligible bidders subsequently.
14. Engineer-in-charge and contact details.	For Civil works: Mr. J. S. Rao , Executive Engineer, Tel: 03222-282584, Mobile No. 9434198139 Email: srinivas.rao@adm.iitkgp.ac.in For Elec. Works: Mr. Mahesh Kumar, Sr. Executive Engineer (Elec.), Email: maheshkr@hijli.iitkgp.ernet.in Tel No. 03222-282542, MobileNo.9800642878
15. Address for tender issue, submission and opening	Office of SE(C), 1 st Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302
16.Website for full and updated information	https://eprocure.gov.in/cppp/tendersearch; http://www1.iitkgp.ac.in/topfiles/tenders.php



1.3. ELIGIBILITY CRITERIA

- 1.3.1. The bidder must be registered in appropriate class of works with Government organization like CPWD/ PWD/ MES or PSUs or those having experience in similar nature of works awarded by Government / Semi Government Organizations/ Government Funded Autonomous Organization.
- 1.3.2. The bidder must have done at least 1 (ONE) similar work of value of 80% of the estimated cost **or**2 (TWO) similar works for projects each of value 60% of the estimated cost **or**3 (THREE) similar work for projects each of value 40% of the estimated cost with Government/ Semi-government/ PSU/ Government Funded Autonomous Organization during last **7 (seven) years** preceding last date of the month of tender submission.

Note:

- (i) The estimated cost is **₹ 91 78 305/- (Rupees Ninety One Lakhs Seventy Eight Thousand Three Hundred and Five Only)**
- (ii) The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to the last date of receipt of applications for tender.
- (iii) **Similar works shall mean:** Repair & Renovation/ Construction of Building / Other civil structures including electrical works.
- 1.3.3. The bidder must be registered with appropriate government authority as a bonafide business entity and must have GST registration certificate and Permanent Account Number of income tax.
- 1.3.4. Electrical work shall be executed by selected bidder through agency holding electrical license and electrical supervisor license valid during the execution phase
- 1.3.5. The registrations and licenses should be valid during the execution phase.
- 1.3.6. Average annual turnover of the bidder as per ITCC or profit & loss statement shall not be less than 30% of the estimated cost, not having incurred loss in more than two years, during last 5 years ending 31 Mar 2018.
- 1.3.7. Bidder must hold solvency certificate from any scheduled banks for a minimum value of 40% of the estimated cost, issued not earlier than 6 (six) months from the last date of submission.

Sd/-

Chief Engineer

On behalf of the **Director, Indian Institute of Technology Kharagpur**

Copy to:

- 1) Registrar
- 2) SE(E&M/Civil)
- 3) Senior Executive Engineer (Civil/ E&M)
- 4) Executive Engineer (Civil/E&M)
- 5) Executive (CCM)
- 6) Assistant / Junior Engineer (Civil/ E&M)
- 7) Notice Board
- 8) Office file



2. INFORMATION TO BIDDERS

2.1. SCOPE OF WORK

- 2.1.1. The IITKGP intends to Face **Lifting work at Zakir Hussain Hall of Residence in IIT Kharagpur**. The work consists of comprehensive repair, renovation and modification of existing civil, plumbing sanitary and electrical systems
- 2.1.2. Constraint: The job needs to be executed at Hall of Residence area without causing any disturbances to the normal functioning of halls. To facilitate unhindered working, the site will be made available in phases and the contractor has to schedule works programme accordingly.
- 2.1.3. The vendor shall work out execution sequence and methodology so as to complete the project within the envisaged time and the estimated cost, duly handling the constraint mentioned above.

2.2. GENERAL INSTRUCTIONS

- 2.2.1. Bidding documents are to be obtained electronically through websites: <https://eprocure.gov.in/cppp/tendersearch>; <http://www1.iitkgp.ac.in/topfiles/tenders.php>. The tender fee in the prescribed mode must accompany the tender documents issued electronically at the time of submission.
- 2.2.2. This bid document shall be read in conjunction with GCC (General Conditions of Contract) available on <http://www1.iitkgp.ac.in/topfiles/tenders.php>.
- 2.2.3. The bidder shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all working days within working hours.
- 2.2.4. IITKGP shall not provide any space at site for labour hutments.
- 2.2.5. All clarifications about the tender shall be sought by bidder on or before pre-bid meeting. The bidders may make suggestions which shall be considered during the Pre Bid Meeting. Intending bidder(s) may also send their queries or suggestion, if any, through e-mail to the Engineer-in-charge on srinivas.rao@adm.iitkgp.ac.in and maheshkr@hijli.iitkgp.ernet.in on or before **21 Feb 2019 04.30PM**. No queries shall be entertained after notification of replies to noteworthy queries received till the date of pre-bid meeting.
- 2.2.6. Completion certificate issued by Competent Authority will only be considered as credential. If the Completion certificate issued by Competent Authority does not reflect the type of work, then Final bill / Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates. Certificate from private individuals / organizations for whom such works have been executed shall not be accepted.
- 2.2.7. The bidding document (consisting of specifications, the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents / drawings, if any), Corrigenda, Clarifications to Pre-bid queries can be downloaded from the websites: <https://eprocure.gov.in/cppp/tendersearch>; <http://www1.iitkgp.ac.in/topfiles/tenders.php>. Corrigenda, if any shall be published only on these websites. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever.
- 2.2.8. All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the Institute accepts no liability whatsoever therefore.
- 2.2.9. Rates quoted by the bidders shall be inclusive of GST (Goods and Services Tax - Central, State and Interstate) and all applicable taxes. Income Tax and all other statutory deductions like labour cess etc. will be deducted from the bill as per prevailing rules.
- 2.2.10. Exemption to IITKGP against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITKGP after award shall be passed on to IITKGP by the contractor without dispute.
- 2.2.11. IITKGP reserves the right to reject any or all of the bids without assigning any reason.
- 2.2.12. **Bid Validity:** Bid shall remain valid for 120 days from the date of submission.
- 2.2.13. **Firm Price:** Bidder's quoted Rates/Prices for executing the activities under the Contract shall remain firm till completion of the entire work & shall not attract any escalation under any circumstances whatsoever.



- 2.2.14. If any information furnished by the bidder is found as false / fabricated, then his bid will be rejected and treated as cancelled. Even if such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit and liabilities towards prosecution. In such cases the bidder will be debarred from participation in future tendering process in IITKGP for next 05 (Five) years.
- 2.2.15. **Earnest Money Deposit (EMD)** of requisite amount and that in prescribed mode or proof of payment thereof shall be enclosed with the Technical Bid explained in following section.
- 2.2.16. **Refund / Conversion of Earnest Money Deposit:** The Earnest Money received shall be refunded to the unsuccessful bidders without any interest upon executing the Contract Agreement by successful bidder. The Earnest Money Deposit of successful bidder shall be retained and converted into part of Security Deposit.
- 2.2.17. **Forfeiture of Earnest Money Deposit:** Earnest Money Deposit will be forfeited in any of the following cases:
- The bidder withdraws / modifies his tender during the period of Bid Validity.
 - The bidder, in case of tie between lowest bids, refuse to submit revised offer.
 - The bidder does not accept the correction of arithmetical errors of his tender.
 - The bidder fails to deposit Performance Guarantee and information as per format given in GCC within the stipulated time period before award of the work.

2.3. SUBMISSION OF TENDER

- 2.3.1. The sealed tenders shall be received at the Office of SE(C), 1st Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302, up to 15:00hrs, **28 Feb 2019** or Corrigenda otherwise.
- 2.3.2. Tenders received after the due date and time shall not be considered.
- 2.3.3. Tenders shall be submitted in a sealed Master envelope super scribed "**Face Lifting work at Zakir Hussain Hall of Residence in IIT Kharagpur**" with the **NIT No. IW/CE/NIT/1819/104**, containing three separate sealed covers, each clearly super scribed as "**Tender Fee and EMD**", "**Technical Bid**" and "**Financial Bid**" respectively, in the following manner:
- 2.3.4. **Envelope-1 (Tender FEE & EMD)** will consist of:
- Tender Fee for ₹ 1,000/- (Non-refundable), in the prescribed mode or proof of payment thereof.**
 - Earnest Money Deposit** of requisite amount, in the prescribed mode or proof of payment thereof.
- 2.3.5. Tender without payment of Earnest Money Deposit would be summarily rejected.
- 2.3.6. **Envelope-2 (Technical Bid)** will consist of:
- Covering letter of the offer signed by firm's authorized signatory.
 - Documents establishing the identity and authenticity of the bidder/ bidding firm
 - Self-certified copies of all the documents in support of eligibility of bidder.
- 2.3.7. **Envelope-3 (Financial Bid)** will consist of the complete tender document, each page duly signed and stamped by the bidder as acceptance of the conditions, Declaration by Bidder and **Financial Bid** all duly filled-in, signed by the bidder or his/her authorized signatory and stamped.

2.4. EVALUATION OF BIDS AND AWARD OF WORK

- 2.4.1. The Bid of bidder will be opened on the specified date and time of opening at the Office of SE(C), 1st Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302 in the presence of willing bidders or their authorized representatives.
- 2.4.2. Date, time and place of opening of Financial Bid will be informed after evaluation of Technical Bid to the Technically Qualified Bidders.
- 2.4.3. Bids shall, first, be checked for payment of **Tender Fee** and **Earnest Money Deposit**. Only those bids found to have duly paid/ submitted Tender Fee and Earnest Money Deposit shall be considered for evaluation.



- 2.4.4. Evaluation of **Technical Bid**: The bids received will then be assessed on the eligibility criteria mentioned at Para1.3of Notice Inviting Tender. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.
- 2.4.5. IITKGP retains the right to revert back to individual bidders with further clarifications / queries on the Technical Bid. The bidder has to respond to the queries within the specified time mentioned in the covering letter.
- 2.4.6. On the date & time specified for opening of Financial Bid or the Revised Financial Bids as the case may be will be opened on specified date and time.
- 2.4.7. **EVALUATION OF Financial Bids**: The Financial Bid should contain the complete bid document with duly filled in Schedule of Financial Quote. Financial Bids opened as above will be checked for arithmetical errors.
- 2.4.8. The successful bidder shall be issued Letter of Acceptance (LOA) of the bid, and be required to furnish a Performance Guarantee as per General Conditions of Contract, Program Schedule with specific Milestones to be achieved as to complete the work within the stipulated time limit and details of his Technical Staff to be deployed as per ANNEXURE-I
- 2.4.9. **Letter of Award (Work Order)** shall be issued to the successful bidder only after receipt of the Performance Guarantee, along with Program Schedule and the details of Technical Staff to be deployed for the work.
- 2.4.10. **Agreement (Contract)** consisting of complete tender document including conditions, bill of quantities, technical proposal and specialized services, drawings, if any, and acceptance thereof together with any correspondence leading thereto, shall be drawn and signed with the awardee after issue of Work Order.
- 2.4.11. **Date of start** of work shall be reckoned from 10th day from the date of issue of "Letter of Acceptance".



3. UNDERTAKING BY THE BIDDER**U N D E R T A K I N G**

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I / We, hereby tender for execution of the work specified for the Indian Institute of Technology Kharagpur within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs. _____ has been deposited in cash/ demand draft of a scheduled bank as earnest money. If I / we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said Director, Indian Institute of Technology Kharagpur or his authorized officer shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I / we fail to commence work as specified, I / we agree that the Director, Indian Institute of Technology Kharagpur shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I / We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I / We hereby declare that I / We shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information derived there-from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Seal & Signature of Contractor

Postal Address

Dated

Witness

Address

Occupation



ANNEXURE-I

TECHNICAL STAFF OF CONTRACTOR

DISCIPLINE	NAME	QUALIFICATION	EXPERIENCE	CONTACT NUMBER
Overall Project In-charge				
Engineer - Structure and Civil Works				
Engineer – Electrical & Mechanical Works				
In-charge - Safety, Health & Environment				

Seal & Signature of Contractor



CIVIL CONSTRUCTION & MAINTENANCE SECTION					
IIT KHARAGPUR					
Name of work- Face lifting work at Zakir Hussain Hall of Residence in IIT Kharagpur. Schedule of Quantities					
Part-A: Civil Works					
Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	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	3265.00	27.01	88187.65
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	CuM.	15.00	1754.04	26310.60
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	CuM.	60.00	1016.27	60976.20
4	20 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)	Sqm	2839.07	280.79	797182.47
5	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	10376.00	115.83	1201852.08
6	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	Sqm	17500.00	64.09	1121575.00
7	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface Water thinnable cement primer	Sqm	17500.00	44.56	779800.00
8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade .One or more coats on old work	Sqm	1150.00	61.86	71139.00
9	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ litre	Sqm	1150.00	39.25	45137.50
10	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	20.00	105.34	2106.80
11	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	111.80	145.37	16252.37
12	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	385.00	543.08	209085.80
13	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm	Sqm	35.00	769.24	26923.40

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
14	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, Single socketed pipes.110 mm dia	Metre	250	285.01	71252.50
15	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.110 mm dia(87.5 degree)	Each	120	136.39	16366.80
16	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.110 mm dia(shoe plan)110mm dia	Each	120	118.18	14181.60
17	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.75mm	Each	90	220.14	19812.60
18	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.110mm	Each	720	218.75	157500.00
19	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.300 mm weighing not less than 200 gms	Each	50	37.32	1866.00
20	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete.100mm	Each	50	27.31	1365.50
21	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using M.S. angles 40x40x6 mm for diagonal braces	Sqm	20.00	3461.23	69224.60
22	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead,of area 3 sq. metres and below	Each	8	190.35	1522.80
23	12 mm cement plaster finished with a floating coat of neat cement of mix :1:3 (1 cement: 3 fine sand)	Sqm	260.00	273.50	71110.00
24	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	920.00	359.72	330942.40
25	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in upperstructure above plinth level up to floor V level.	sqm	20.00	825.08	16501.60

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
26	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitred cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. 9.142.1 Non decorative finish (matt finish)	Sqm	65.00	3278.18	213081.70
27	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm, including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	Metre	0.00	741.03	0.00
28	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead.				
29	75 to 80 mm dia pipe	Metre	270	37.32	10076.40
30	100 mm dia pipe	Metre	1350	38.53	52015.50
31	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 testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall.				
31 (a)	(i) 15 mm nominal outer dia Pipes.	Metre	25	172.38	4309.50
31 (b)	(i) 20 mm nominal outer dia Pipes	Metre	25	217.00	5425.00

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
32	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	Each	25	4213.66	105341.50
33	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	Each	35	4122.61	144291.35
34	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	Kitchen sink with drain board 510x1040 mm bowl depth 178 mm.	Each	0	4479.01	0.00
35	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid 40 mm dia High density pipe with required length (Max. 3.00 mtr).	Each	0	98.16	0.00
36	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	Each	90	66.87	6018.30
37	Providing and laying APP (Atactic Polypropylene Polymer) modifiedprefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane 3 mm thick	Sqm	570.00	502.98	286698.60
38	Welding in M.S. structural work with gas or electric: Tack weld	Point	500.00	10.62	5310.00

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
39	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation and upto roof of ground floor/upto 4 m. Tor steel/Mild Steel	Kg	500.00	68.56	34280.00
40	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor). 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	Sqm	50.00	378.78	18939.00
41	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement. 35 mm. thick	Sqm	561.00	387.04	217129.44
42	Iron butt hinges of approved quality fitted and fixed with steel screws, with IS mark. 100mm. X 58mm. X 1.90mm.	Each	25	55.46	1386.50
43	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity). Do - by fine sand	CuM.	43	601.62	25869.66
44	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. Pakur Variety	CuM.	5.00	5012.64	25063.20
45	Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor [Pakur Variety]. 1:3:6 proportion	CuM.	25.00	6051.04	151276.00
46	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992:Fittings.				
46 (a)	Door Tee, 110 mm.	Each	270	230.10	62127.00
46 (b)	Door Bend (T.S.) 110 mm.	Each	270	105.02	28355.40
46 (C)	110 X 110 P Trap	Each	90	331.58	29842.20
47	Cleaning wash basin/ sink with acid. Each complete in all respect in any floor.	Each	90	18.88	1699.20
48	Supplying, fitting & fixing Aluminium/Steel domical grating as per direction of engineer-in-charge. 100 mm complete in all respect in any floor.	Each	180	57.82	10407.60
49	Cleaning E.P. or Anglo-Indian W.C. with acid complete in all respect in any floor.	Each	30	31.86	955.80

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
50	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) For Exposed Work PVC Pipes 100mm dia	Metre	850	1338.12	1137402.00
51	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) For Exposed Work PVC Pipes 80mm dia	Metre	300	906.24	271872.00
52	Supplying, fitting and fixing bib cock or stop cock. PTMT (Polytetra Bib Cock / Stop Cock (Prayag or equivalent) 15 mm	Each	100	181.72	18172.00
53 (a)	Refixing G.I. pipe with fittings after cleaning where necessary. 15 mm	Metre	450	7.08	3186.00
53 (b)	Refixing G.I. pipe with fittings after cleaning where necessary. 20 mm	Metre	200	7.08	1416.00
54	Refixing E.P. or Anglo-Indian W.C.	Each	90	103.84	9345.60
55	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. Vent Cowl. 110mm	Each	30	38.94	1168.20
				Amount	8100635.91
				Total Amount (Part-A) Say Rs.	81,00,636.00
Part-B: Electrical Works					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor or single core cable etc. as required. (Group B), Make - Wire:- Finolex/RR Kabel/Havells or equivalent approved by EIC. Conduit/Casing-capping: Presto-plast/ Precision/Finolex or equivalent approved by EIC. Switch/Regulator: Crabtree(Thames) / Legrand (Myrius) /MK(Wraparound plus) or equivalent approved by EIC.	Each	40	783	31320

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
2	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required .ake - Wire:- Finolex/RR Kabel/ Havells or equivalent approved by EIC. Conduit/Casing-capping: Presto-plast/ Precision/Finolex or equivalent approved by EIC.				
a)	2 X 1.5 sq.mm. + 1 X 1.5 sq.mm. earth wire	Meter	50	146	7300
b)	2 X 2.5 sq.mm. + 1 X 2.5 sq.mm. earth wire	Meter	90	167	15030
c)	2 X 4 sq.mm. + 1 X 4 sq.mm. earth wire	Meter	40	200	8000
d)	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Meter	20	543	10860
3	Supply and fixing of modular type Surface mounted plastic box with inner outer plate, modular cover of the following sizes for fixing switch socket regulator etc. with necy. Connection, fixed on wall and mending good the damages including painting. This includes disconnecting and dismantling the old items and depositing them to store. Make:Crabtree (Thames)/ Legrand (Myrius)/MK (Wraparound plus) or equivalent approved by EIC.				
a)	3M	Each	5	121	605
b)	6M	Each	6	194	1164
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. .This includes disconnecting and dismantling the old items and depositing them to store. Make:Crabtree(Thames)/Legrand (Myrius) /MK (Wraparound plus) or equivalent approved by EIC.				
a)	2 Module	Each	7	243	1701
b)	3 Module	Each	10	267	2670
c)	6 Module	Each	4	333	1332
d)	8 Module	Each	2	383	766
5	S&F of modular type 5/6 Amp one way switch on board with all connection. Make :Crabtree(Thames) / Legrand (Myrius) /MK(Wraparound plus) or equivalent approved by EIC.	Each	40	85	3400
6	S&F of modular type 15/16 Amp one way switch on board with all connection. Make: Crabtree(Thames) / Legrand (Myrius) /MK(Wraparound plus) or equivalent approved by EIC.	Each	15	132	1980
7	S&F of modular type 6 Amp 3 pin shuttered socket on board with all connection. Make: Crabtree(Thames) / Legrand (Myrius) /MK(Wraparound plus) or equivalent approved by EIC.	Each	20	111	2220
8	S&F of modular type 6pin,15/16 Amp socket on board with all connection. Make: Crabtree(Thames) / Legrand (Myrius) /MK(Wraparound plus) or equivalent approved by EIC.	Each	10	175	1750
9	S&F of modular type blanking plate (1M) on board with fixing. Max. 1 no. blank plate is allowed for power board only. Make:Crabtree(Thames) / Legrand (Myrius) /MK(Wraparound plus) or equivalent approved by EIC.	Each	10	32	320
10	S&F of Ceiling rose, 3 pin, 5 A ISI marked	Each	20	12	240
11	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. Pipe(Medium) make:TATA/JINDAL/BANSAL or equivalent approved by EIC.	Each	2	5308	10616
12	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Meter	100	57	5700

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
13	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)	Meter	125	39	4875
14	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required				
a)	Upto 35 sq. mm	Meter	375	323	121125
b)	Above 35 sq. mm and upto 95 sq. mm	Meter	450	338	152100
15	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. Make:Dowells/Jainson or equivalent approved by EIC.				
a)	3.5 C x35 sqmm	Each	20	300	6000
b)	3.5 C x95 sqmm	Each	10	473	4730
16	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection of following pole . Make:Legrand/Siemens/ABB /Hagger or equivalent approved by EIC.				
a)	Single pole , 6-32A	Each	10	102	1020
b)	TP 6-32A	Each	6	575	3450
c)	Four pole,63A	Each	15	1830	27450
17	Supply of 3.5 core 35 sq. mm aluminium conductor XLPE insulated, PVC sheath, GI strip armoured cable 650/1100V grade , confirming IS : 7098(part-1) . Make : Havells/Polycab/Finolex or equivalent approved by EIC.	Each	500	227	113500
18	Supply of 3.5 core 95 sq. mm aluminium conductor XLPE insulated, PVC sheath, GI strip armoured cable 650/1100V grade , confirming IS : 7098(part-1) . Make : Havells/Polycab/Finolex or equivalent approved by EIC.	Each	450	485	218250
19	Supply and fixing of 18 watt \geq 2100 lm,1200mm LED tube with polycarbonate body with .Efficacy \geq 110 lumen /watt, p.f greater than 0.9, with integrated electronics driver ,color temperature=6500K,CRI \geq 80 LED tube Make: Philips/Havells /GE /wipro/ Jaquar or equivalent approved by EIC. Note: 1. Manufacturerer has to provide LM 79 & 80 certificates from NABL accredited laboratories/Govt. approved Labs . 2. Contractor has to provide five years replacement guarantee of the total LED sets i.e for lamps, driver units etc after installation and commissioning of the units at site. 3. Labeling on each fittings and lamps with paint/permanent markers mentioning brief description of the Hall, date of installation, date of expiry of guarantee etc is mandatory for identification and maintaining of replacement records etc without which the contractor will not be allowed to work.	Each	105	614	64470
20	Supply of batten suitable for LED tube (item no 19) Make:Philips/Havells/Wipro/GE/Jaquar or or equivalent approved by EIC.	Each	105	222	23310

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
21	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. .Make: Legrand (Myrius), Crabtree, MK or equivalent approved by EIC.	Each	10	342	3420
22	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450 mm sweep	Each	10	363	3630
23	Supply of 300mm, 900rpm,1145CMH metal exhaust fan. Make :Crompton Graves /Usha/Havells/Bajaj or equivalent approved by EIC.	Each	10	2376	23760
24	Supply & Fixing louver shutter on wall with necy. bolts & nuts (6 mm dia x 62 mm long) for Exhaust fan of 30 cm (12").	Each	10	193	1930
25	Supplying and fixing double door 4 way 250 amps Vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. Make: Legrand/Hager/Schneider or equivalent approved by EIC.	Each	5	15386	76930
26	Providing and fixing 200 A, 36kA, FPMCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. Make:Legrand/ Siemens/Hagger or equivalent approved by EIC.Note : Item no 25 and 26 should be same make.	Each	5	15149	75745
27	Supply of 25 W Led street light, versatile pressure die-cast aluminium IP66, 5000k,240V, Efficacy- greater than equal to 100 lumens/watt In-built electronic driver THD<=10%.Output Short-Circuit, Over Voltage, Surge & Phase to Phase Protection. CRI >80, LED beam angle= 120° Make : Philips/Havells/Wipro/Bajaj/Crompton/Jaquar or equivalent approved by EIC. Note : Contractor should given 5 years replacement guarantee of total Led set like driver, lamp etc after commissioning at site.	Each	25	1800	45000
Total amount (Part-B) Rs.					1077669.00
Total Amount (Part A + Part B) Rs.					91,78,305.00
<i>(Rupees Ninety One Lakhs Seventy Eight Thousand Three Hundred and Five Only)</i>					
I agree to execute the work at _____ % [in figure] ABOVE / BELOW / AT PAR (_____					
_____percent) [in words] ABOVE / BELOW/AT PAR Department estimated amount/item rates.					
_____ Signature of the Contractor with Date & Seal					