

**Tender for Renovation and Repair of flat No. 274 at  
AGVC, Siri Fort, New Delhi**



**Bharat Heavy Electricals Limited**  
**BHEL House, Siri Fort, New Delhi-110049**  
Tel: 011-66337472, Fax: 011-66337428



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No. AA: GAX: 13: AF: 04 Dt. 03.04.2013

Submission of tender enquiry on 16.04.2013 by 02.00 PM  
Due date for opening of bid on 16.04.2013 at 02.30 PM

**SUB: Renovation and Repair of flat No. 274 at AGVC, Siri Fort, New Delhi**

Dear Sirs,

We are pleased to invite your tenders, in sealed covers for the subject work. The terms & conditions of the tender are mentioned below:-

**1.0 TERMS & CONDITIONS OF TENDER:**

- 1.1 Tender Enquiry No. & due date must be legibly superscribed on all the envelopes.
- 1.2 Tenders shall be received and opened on the due date and time as mentioned above in the presence of tenderers or their authorized representatives who may like to be present.
- 1.3 Tenders shall be strictly in accordance with the tender specifications. Any deviations shall be listed out separately.
- 1.4 Offers shall remain valid for 90 days period from the due date of submission of tenders.
- 1.5 BHEL shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
- 1.6 Tenders received after due date & time are liable to be rejected.
- 1.7 BHEL reserves the right to increase or decrease the quantity  $\pm$  15% of contract value at the same rates and terms and conditions of this contract.
- 1.8 Tender should be submitted along with covering letter of the tenderer and duly signed on each & every page of the tender document, technical specifications and price bid.
- 1.9 Each tenderer has to deposit **EMD of Rs. 60,000.00/- (Sixty thousand only)** for the above job and the same will be in the form of Pay Order or Demand Draft only in favour of BHEL, payable at New Delhi. EMD submitted by tenderer will be forfeited if tenderer revokes his tender within validity period or increases his rates.
- 1.10 Each tender shall be accompanied by separate envelope carrying EMD as mentioned above failing which the tender will be rejected.

1.11 **Security Deposit:** Upon acceptance of tender, the successful tenderer must submit the security deposit of **Rs. 1 Lakhs + 7.5% of the amount exceeding Rs. 10 lakhs** in any of the following forms.

- i) Cash (as permissible in the income tax act)
- ii) Pay Order, Demand Draft in favour of BHEL
- iii) Local cheques of scheduled bank, subject to realization
- iv) Securities available from Post Offices such as National Saving Certificates, Kisan Vikas Patras etc. ( certificates should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).
- v) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
- vii) Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.  
  
(Note: In case of small value contracts not exceeding Rs. 10 lakhs and all SAS jobs, work can be started before Security Deposit is collected. However, payment can be released only after collection/ recovery of initial 50% Security Deposit).
- viii) EMD of the successful tenderer can be converted and adjusted against the security deposit.
- ix) The security deposit shall not carry any interest.

(Note: Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected herewith).

- x) Security deposit shall not be refunded to the contractor except in accordance with the terms of the contract.

1.12 EMD of successful tenderer will be converted into security deposit and balance amount of security deposit will have to be deposited as per clause No. 1.11. EMD given by all successful tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful tenderer. EMD shall not carry any interest.

- 1.13 Prices quoted by the tenderers will be firm and no escalation on account of labour or material or taxes or any reason whatsoever will be paid to the successful tenderer for execution of the above job.
- 1.14 Prices quoted by the tenderers should be inclusive of all taxes etc. as prevailing on Works Contract, but excluding service tax as applicable, for which the successful tenderer has to submit the tax deposit receipt proof for release of payment along with the bill submitted for the payment.
- 1.15 Evaluation of the Tenderers will be done on overall quote basis for the complete work and entire job will be awarded to the overall tenderer. If at the time of submitting price breakup, by the L1 bidder, it is found that the rate quoted against any item is mismatching with amount of the same item or vice versa then the lower value of the two (either rate or amount) will be accepted, and total amount of work order will be calculated on the basis of lower value.
- 1.16 **Completion Time & LD:** Entire work has to be completed within 3 months from the date of award of work/LOI failing which liquidated damages will be imposed @ 0.5 % of the Gross Value for per day of delay, subject to a maximum of 10% of the Gross Value. LD will be calculated on the total value of Work Order.
- 1.17 **Payment terms:** Full and final bill will be paid after successfully completion of work and certification of the same by Engineer-in-charge..
- 1.18 The successful tenderer will carry out the work as per specifications. In case of any doubt regarding the specification and its quality of work, Engineer in Charge's clarification and decision will be final and binding on him.
- 1.20 The successful tenderer has to carry out the work in time bound schedule without creating any nuisance to the neighborhood. No time extension will be allowed whatsoever be the reason. After handing over the site/flats the contractor will be responsible for the belonging of flats and materials brought by him for execution of job.
- 1.21 Tenderers are requested to go through the scope of work, visit the site location etc. and get fully acquainted with the work place and prevailing working conditions to get all their doubts clarified regarding the above work before submitting the offer. Engineer-in-charge's decision will be full and final in the event of any doubt.
- 1.22 The successful tenderer must comply to all statutory labour law regulations applicable to this contract like minimum wages act, timely payment of wages etc. including taking of insurance cover etc. for workers employed for this contract. Any obligation on account of the above will be the liability of the successful tenderer.
- 1.23 In case of any objection from any statutory / local authority, the successful tenderer has to liaison with them for smooth progress of work.
- 1.24 The successful tenderer will be responsible for the quality of the work and it is to be guaranteed for a period of one year from the date of completion of job.
- 1.25 Period of maintenance shall mean the period of one year which will be calculated from the date of completion of the works certified by the Engineer in accordance with conditions of the contract. The period of maintenance shall always be reckoned from

the date of completion of the whole of the works as accepted / taken over by Engineer-in-charge.

- 1.26 The Tenderers are required to quote for the complete scope of work. Tenders for part of the work or incomplete in any respect are liable to be rejected. Tenderers shall certify in the Techno- commercial bid that rates for all the items have been quoted.
- 1.27 Work order will be placed on lowest bidder for the complete scope of work i.e. Renovation and Repair of flat No. 274 at AGVC, Siri Fort, New Delhi for which the bidder has qualified in the Techno-commercial Bid and subsequently has emerged as lowest bidder in the evaluation of price bid.
- 1.28 Penalty will be levied by BHEL as per relevant clauses of the Tender on account of delay, violation of contract conditions and non-performance of the Contractor.
- 1.29 All documents submitted by the Tenderer in his tender shall be accompanied with a covering letter giving index interlinking all the documents.
- 1.30 BHEL reserves the right to accept or reject any of the bid / all bids with or without deviation or cancel / withdraw the invitation for bid without assigning any reason whatsoever and in such case no tenderer shall have any claim arising out of such action by BHEL.
- 1.31 Technically qualified vendors will be termed as deemed registered vendors for future work in BHEL corporate office.
- 1.32 The offer of the bidders who are on the banned list as also the offer of the bidders, who engage the services of banned firms, shall be rejected. The list of banned firms is available on BHEL website [www.bhel.com](http://www.bhel.com).

## **2.0 QUALIFYING CRITERIA FOR THE TENDERERS:**

Bids are invited from technically capable & financially sound contractors.

- 2.1 Average Annual financial turnover during the last 3 years, ending on 31<sup>st</sup> March' 2012, should be at least **Rs. 8.76 Lacs**.
- 2.2 Contractors / System integrators having experience of successfully completion of similar works during last 7 years ending on 31.03.2013 should be either of the following : -
  - a. Three similar completed works each costing not less than the amount equal to Rs. **12.0 Lacs**.
  - OR**
  - b. Two similar completed works each costing not less than the amount equal to Rs. **15.0 Lacs**.
  - OR**
  - c. One similar completed work costing not less than the amount equal to Rs. **23.50 Lacs**.
- 2.3 Tenderers must have valid registration no. of **PAN No. , VAT / TIN No. , Service Tax No.** which they have to submit during submission of bid. Proof of valid PF & ESI registration No. will have to produce by the bidders at the time of submission of bill.

**Note:** 'Similar works' mentioned in Para 2.2 above shall necessarily include "Construction/ renovation/ modification/ repair & maintenance of **residential buildings** with any Central Govt. / State Govt. / PSUs / Public Limited Company."

### **3.0 DOCUMENTS REQUIRED:**

3.1 The Tenderers should submit documents in support of possessing Qualifying requirements as under, duly certified and stamped by their authorized signatory:

- a) Copy of income tax return of previous three years and work orders along with BOQ and completion certificates in support of the qualifying criteria mentioned at clause no. 2.0 above with covering letter / indexing of the same. Tenderer shall also submit covering letter with calculation of average financial turnover (with proof) of previous three years and description of successfully completed work in support of 2.1 and 2.2 respectively.
- b) Tenderer has to submit a copy of registration certificate of **PAN No. , VAT/TIN No.** Proof of valid PF & ESI registration No. will have to be produced by the bidders at the time of submission of bill.
- c) Un-priced price bid format duly signed by the tenderer shall be submitted along with technical bid by mentioning 'Q' in the column where quote is to be offered by the bidder.
- d) A copy of tender enquiry duly signed on each and every page shall be submitted along with technical bid.
- e) Tenderer has to submit the **No Deviation Certificate** duly signed in the format mentioned in **Annexure – A.**
- f) Tender has to be submitted with contact address and e-mail ID etc. duly filled and signed as placed in **Annexure-B.**

### **4.0 PROCEDURE FOR SUBMISSION OF TENDERS:**

4.1 The tender is to be submitted as required in two parts in separate sealed covers **prominently superscribed as Part-1 "Techno-commercial Bid" & Part-2 "Price Bid"** and also indicating on each of the covers the tender specification number and due date and time as mentioned in the tender enquiry. Envelope of Part-1 "Techno-commercial Bid" shall contain documents required in Para 3.0 above and Part-2 "Price Bid" shall contain price bid duly quoted in the BOQ format. A third sealed cover shall contain required amount of EMD and shall be super scribed as EMD. These three separate covers 1, 2 and 3 shall together be enclosed in fourth envelope and this sealed cover shall be superscribed with tender specification number / numbers and due date. Tenders submitted without EMD are liable to be rejected.

4.2 Envelope No. 3 containing EMD will be opened first and after due verification of EMD as per clause No. 1.9, the Part - 1 of the tender will be opened next and evaluated afterwards. Tenderers who qualify in Technical Bid (Part – 1) will only be considered while opening of Price Bid (Part – 2). The unsuccessful tenderers will be intimated through email for rejection in the technical bid. BHEL reserves the right to finalize

successful tenderer by **opening of sealed price bid or by conducting online Reverse Auction**. Date of opening of sealed Price Bid / conducting of online Reverse Auction will be intimated separately to the Tenderers who qualify in the Techno-Commercial bid.

- 4.3 Tenders should strictly be in accordance with the tender specifications & General Instructions to the Tenderer enclosed herewith.
- 4.4 The Tenderer should accept all terms & conditions of the tender unconditionally. In case the Tenderer wants to deviate from the tender conditions, such deviations shall be clearly specified in his tender. If no deviations are given in tender submitted, it will be assumed that the Tenderer accepts all terms and conditions of the tender.
- 4.5 Tenders with deviations from terms and conditions are likely to be rejected.
- 4.6 Clarifications, if any, of Technical / Commercial nature, can be obtained from the officer to whom the tender is to be submitted or from New Delhi office at the address given up to one week before the tender due date.

#### **5.0 CONTRACT LAW, NOTICE AND ARBITRATION:**

- 5.1 The Contract shall be governed by the Law for the time being in force in the Republic of India. The Civil Court having ordinary civil jurisdiction over site shall alone have exclusive jurisdiction in regard to all claims in respect of the contract.
- 5.2 The Contractor shall furnish to the Engineer, the name, designation and address of his authorized agent and all complaints, notices, communications and references shall be deemed to have been duly given to the Contractor, if delivered to the Contractor or his authorized agent or left at or posted to the address either of the contractor or his authorized agent and shall be deemed to have been so given in the case of posting on the day on which they would have reached such address in the ordinary course of post or at which they were so delivered or left.
- 5.3 **ARBITRATION** : In the event of any dispute or difference arising out of the execution of the Order/Contract or the respective rights and liabilities of the parties or in relation to interpretation of any provision between BHEL & contractor in any manner touching upon the Order/Contract, such dispute or difference shall (except as to any matters, the decision of which is specifically provided for therein) be referred to the arbitration of the person appointed by the competent authority of BHEL.
- 5.4 Subject as aforesaid, the provisions of Arbitration and Conciliation Act, 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The venue of arbitration shall be at New Delhi.

#### **6.0 LAWS GOVERNING THE CONTRACT**

The Order/Contract shall be executed and governed and the courts of India alone shall have jurisdiction in respect arising under or in connection with the order/Contract.

**7.0 JURISDICTION OF COURT**

Courts at Delhi/New Delhi shall have exclusive jurisdiction to decide the dispute, if any, arising out of or in respect of the contract(s) to which these conditions are applicable.

**8.0 SCOPE OF WORK:**

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<b>Sl. No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (Rs.)</b>
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8.1 As per Bill of Quantity enclosed at **Annexure-I**

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The tender(s) should reach the under mentioned on or before the due date mentioned above. BHEL will not be responsible for delay in receipt of tender(s), sent by post / courier. The same shall be opened on scheduled date and time. Tenderers may provide their e-mail ID for faster communication in respect of the above.

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For & on behalf of  
Bharat Heavy Electricals Ltd.

(Parvinder Singh)  
Dy. Mgr. (HR-GAX)

Enclosures: As above

**Annexure-A**

**NO DEVIATION CERTIFICATE**

“No deviation from tender conditions of tender enquiry and scope of services mentioned in BOQ”.

Signature and Seal of the Bidder

**Annexure-B**

<b>Sl. No.</b>	<b>Description</b>	<b>Details</b>
1	<b>Name of the Bidder</b>	
2	<b>Address of the bidder</b>	
3	<b>Contact Person's Name</b>	
4	<b>Cell No. of Contact Person</b>	
5	<b>Land Line No.</b>	
6	<b>FAX No.</b>	
7	<b>E-mail ID of the Bidder</b>	

Sign and seal of Bidder

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**BHEL House, Siri Fort, New Delhi - 110049****Name of Work: RENOVATION & REPAIR OF FLAT No. 274 AT AGVC, NEW DELHI.**

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE (Rs.)</b>	<b>Amount (Rs.)</b>
<b>1.00</b>	<b>Dismantling &amp; Demolishing work</b>				
<b>1.01</b>	Dismantling of flushing cistern of all types (C//PVC/Vitrious China) including stacking of useful materials near the site and disposal of unservicable materials within 50 m lead	<b>each</b>	<b>5</b>		
<b>1.02</b>	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	<b>each</b>	<b>25</b>		
<b>1.03</b>	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	<b>cum</b>	<b>6.5</b>		
<b>1.04</b>	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.	<b>cum</b>	<b>1</b>		
<b>1.05</b>	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. 1:3:6 or richer mix	<b>cum</b>	<b>10</b>		
<b>1.06</b>	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes and lead at site within 50 m lead as per direction of EIC: upto 150 mm dia.	<b>mtr.</b>	<b>25</b>		

<b>1.07</b>	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes at the risk & cost of Contractor : 15 mm to 40 mm nominal bore	<b>mtr.</b>	<b>85</b>		
<b>1.08</b>	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.	<b>sqm</b>	<b>550</b>		
<b>1.09</b>	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.. For thickness of tile 10 to 25 mm	<b>sqm</b>	<b>400</b>		
<b>1.10</b>	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 EIC, beyond 50 m initial lead, for all leads including all lifts involved.	<b>Cum</b>	<b>60</b>		
<b>2.00</b>	<b>BRICK WORK</b>				
<b>2.01</b>	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in super structure above plinth level up to floor V level in all shapes & sizes in -1:4 cement mortar (1 cement : 4 coarse sand)	<b>cum</b>	<b>7</b>		
<b>2.02</b>	Half brick masonry with FPS bricks of class designation 75 in superstructure above plinth level upto floor V level Cement mortar 1:4 (1 cement : 4 coarse sand)	<b>Sqm</b>	<b>21</b>		
<b>3.00</b>	<b>PLASTERING &amp; FINISHING WORK</b>				
<b>3.01</b>	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth	<b>Sqm</b>	<b>650</b>		
<b>3.02</b>	20 mm cement plaster of mix - 1:4 (1 cement : 4 fine sand)	<b>sqm</b>	<b>80</b>		
<b>3.03</b>	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement :5 coarse sand) finished with a top layer 6 mm th. Cement plaster 1:6 ( 1 cement : 6 fine sand).	<b>sqm</b>	<b>120</b>		
<b>3.04</b>	Applying one coat of water thinnable cement primer of approved brand and	<b>sqm</b>	<b>650</b>		

	manufacture on wall surface - Water thinnable Cement Primer				
<b>3.05</b>	Washed stone grit plaster on exterior walls of height upto 10m above level in two layers, under layer 12mm cement plaster 1:4(1cement:4coarse sand) furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2kg of cement per sqm,top layer 15mm cement plaster 1:1/2:2(1cement:1/2coarse sand:2stone chippings10mm nominal size) in panels with groove all around as per approved pattern including scrubbing& washing, the tpo layer with brushes & water to expose the stone chippings,complete as per specification as per E.I.C(payment for providing groove shall be made seperately)	<b>sqm</b>	<b>10</b>		
<b>3.06</b>	Removing dry or oil bound distempers, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	<b>sqm</b>	<b>650</b>		
<b>3.07</b>	Wall Payinting with acrylic emulsion paint of approved brand and manufacture to give an even shade - Two or more coats on new work	<b>sqm</b>	<b>650</b>		
<b>3.08</b>	Painting with synthetic enamel paint of approved brand and manufacture alongwith required primer etc. complete to give an even shade - Two or more coats on new work	<b>sqm</b>	<b>70</b>		
<b>3.09</b>	Distempering with dry distemper of approved brand and manufacture of required shade on new work, over and including water thinnable (two or more coats) priming coat to give an even shade.	<b>sqm</b>	<b>20</b>		
<b>3.10</b>	French spirit polishing - Two or more coats on new works including a coat of wood filler.	<b>sqm</b>	<b>160</b>		
<b>3.11</b>	Malamine polishing coat on wood work (one or more coat) to give malamine finish.	<b>sqm</b>	<b>160</b>		
<b>3.12</b>	Pointing on stone work in cement mortar 1:3 (1 cement : 3 fine sand) raised and cut pointing	<b>sqm</b>	<b>30</b>		
<b>4.00</b>	<b>WOOD &amp; STEEL WORK</b>				
<b>4.01</b>	Providing wood work in frames of doors, windows, clerestory windows	<b>cum</b>	<b>1.46</b>		

	and other frames, wrought framed and fixed in position with hold fast lugs or with dash fastener : Second class teak wood (Ghana Brand)				
<b>4.02</b>	Providing and fixing ISI marked flush door shutter non-decorative type , core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains of cross bands and face veneers on both faces of shutters - 35mm thick including anodised aluminium butt hinges with necessary screws.	<b>sqm</b>	<b>30</b>		
<b>4.03</b>	Extra for providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to IS: 2202 (Part-I)on one side in above item.	<b>sqm</b>	<b>60</b>		
<b>4.04</b>	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters ( over all area of door shutter to be measured )	<b>sqm</b>	<b>30</b>		
<b>4.05</b>	Providing and fixing glazed shutters for doors, windows and clerestory windows using (4 mm thick) float glass panes including ISI marked MS pressed butt hinges with necessary screws - 35 mm thick - second class teak wood.	<b>sqm</b>	<b>12</b>		
<b>4.06</b>	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4mm thick in doors, windows and celestory windows ,shutters (area of opening for glass panes excluding portion inside rebate shall be measured)	<b>sqm</b>	<b>5</b>		
<b>4.07</b>	Providing and fixing wire gauged shutters using galvanised M. S. wire gauged of average width of aperture 1.4mm with wire dia. 0.63mm for doors, windows and clerestory windows including ISI marked SS butt hinges with necessary screws - 35 mm thick - second class teak wood.	<b>sqm</b>	<b>25</b>		
<b>4.08</b>	P/F wooden moulded beading to door and window frames with iron screws, pugs, and priming coat at the junction of frame and wall- 2nd class teak wood 50 X 12 mm	<b>M</b>	<b>100</b>		
<b>4.09</b>	Providing and Fixing flyproof galvanized blue coloured M.S wire guage to window and celestory	<b>sqm</b>	<b>6</b>		

	window using galvanised M.S wire guage with average width of aperture 1.4mm in both directions with 2nd class teak wood beading 62 X 19 mm				
<b>4.10</b>	Providing and fixing bright finished chrome plated brass tower bolt of thickness 10 mm with necessary screws etc.complete				
<b>(a)</b>	250x10mm	<b>each</b>	<b>25</b>		
<b>(b)</b>	150x10mm	<b>each</b>	<b>80</b>		
<b>4.11</b>	Providing and fixing bright finished chrome plated brass handles with screws etc .complete-125mm	<b>each</b>	<b>85</b>		
<b>4.12</b>	Providing and fixing bright finished chrome plated brass hanging type floor door stopper with necessary screws etc.complete	<b>each</b>	<b>20</b>		
<b>4.13</b>	Providing and fixing aluminium sliding door bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868 ) transparent or dyed to the required color or shade with nuts and screws etc. complete - Size 300 X 16mm	<b>each</b>	<b>20</b>		
<b>4.14</b>	P/F chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete as per chice and dirction of EIC	<b>each</b>	<b>6</b>		
<b>5.00</b>	<b>FLOORING WORK</b>				
<b>5.01</b>	Marble stone flooring with 18mm thick marble stone(sample of marble shall be approved by Engineer-in Charge) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and mirror polishing on marble work to give high gloss finish complete with - Agaria White.	<b>Sqm</b>	<b>250</b>		
<b>5.02</b>	Extra for providing half round edge moulding to 18 mm thick marble stone counters, Vanities etc. over above item no. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite Work	<b>M</b>	<b>15</b>		
<b>5.03</b>	Extra for providing half round edge moulding to 18 mm thick marble stone counters, Vanities etc. over	<b>M</b>	<b>70</b>		

	above item no. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Marble Work				
<b>5.04</b>	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform, vanity counters and similar location in marble/granite/stonework including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	<b>each</b>	<b>2</b>		
<b>5.05</b>	Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in Charge) over 20mm (average ) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with - Udaipur Green	<b>Sqm</b>	<b>25</b>		
<b>5.06</b>	Kota stone slab flooring over 20mm thk base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4-25mm thk	<b>sqm</b>	<b>25</b>		
<b>5.07</b>	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 of approved make in all colours and shades of any size as approved by engineer-in-charge in skirting .risers of steps and dados over 12mm thick bed of cement mortar 1:3(1 cement:3 coarsesand) and jointing with grey cement slurry @3.3 Kg per sqm including pointing in white cement mixed with pigment of matching shade complete. Basic rate of tile should be at least 500/-sqm	<b>sqm</b>	<b>180</b>		
<b>6.00</b>	<b>CONCRETE AND FORM WORK</b>				
<b>6.01</b>	P/L in position cement concrete of specified grad excluding the cost of centering and shuttering- All upto plingth level: 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	<b>Cum</b>	<b>10</b>		
<b>6.02</b>	Reinforced cement concrete work in beams, suspended floors, roof having slope up to 15° landings, balconies	<b>Cum</b>	<b>2.5</b>		

	shelves, chajjas, lintels, bands, plain window sills, staircase, and spiral stair cases upto floor five level excluding the cost of centering and shuttering and finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)				
<b>6.03</b>	Centering and shuttering including propping , strutting, etc. and removal of the form for				
<b>a</b>	Suspended floors, roofs, landings, balconies, and access platforms	<b>Sqm</b>	<b>20</b>		
<b>6.04</b>	Reinforcement for RCC work including streightening cutting bending, placing and binding all complete: Cold twisted	<b>Kg</b>	<b>200</b>		
<b>7.00</b>	<b>SANITARY WORK</b>				
<b>7.01</b>	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c 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 EIC: Concealed Work, including cutting chases and making good the walls etc.				
	i) 25 mm nominal outer dia pipes	<b>metre</b>	<b>60</b>		
	ii) 32 mm nominal outer dia pipes	<b>metre</b>	<b>20</b>		
<b>7.02</b>	P/F gun metal gate valve with CI wheel of approved quality (screwed end):	<b>each</b>	<b>4</b>		
<b>7.03</b>	Providing and fixng w/c squatting pan (indian type w/c pan) with 100 mm sand cast Iron p or s trap,10litre low level white P.V.C flushing cistern with manually controled device (handle lever) conforming to IS:7231,with all fittings and fixtures complete including cutting and making good the walls and floors wherever required:-				
<b>i)</b>	White vitreous china orissa pattern W.C pan of size 580x440mm with integral type foot rests	<b>each</b>	<b>1</b>		
<b>7.04</b>	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid,				

	10litre low level white vitreous china flushing cistern & C.P. flush bend with fitting & C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good walls and floors wherever required:				
	W.C. pan with ISI marked white solid plastic seat and lid	<b>each</b>	<b>4</b>		
<b>7.05</b>	Extra for using coloured pedestal type W.C.pan (European type) with low level cistern of same colour instead of white vitreous china w.c pan and cistern	<b>each</b>	<b>4</b>		
<b>7.06</b>	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :Coloured (other than black & white) solid plastic seat with lid	<b>each</b>	<b>4</b>		
<b>7.07</b>	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 without drain board 610 X 460 mm bowl depth 200 mm	<b>each</b>	<b>2</b>		
<b>7.08</b>	P/L S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS-1536, 100 mm dia pipe	<b>m</b>	<b>17</b>		
<b>7.09</b>	10 cm thick (average ) mud pluska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa at 35 kg per cum of earth and gobri leaping with mix 1:1 and covered with flat tile bricks of designation 100 grouted with cement mortar 1:3 mixed with 2 % of integral waterc proofing compound by weight of cement and finished neat: With common burnt clay F.P.S (non-modular) brick tile of class designation 10	<b>Sqm</b>	<b>75</b>		
<b>7.10</b>	Providing and fixing pestal colour wash basin with C.I. Brackets 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls whenever required:as per direction of EIC. White	<b>each</b>	<b>4</b>		

	vitrious China wash basin size 550 X 400 with a pair of 15 mm C.P. brass pillar taps				
7.11	P/F pestal colour vitrious china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings	each	1		
7.12	P/F 600 X 450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleates with CP brass screws and washers complete	each	3		
7.13	P/F M.S. grills of required pattern in frames of windows etc. with M.S. flat, square and round bars etc. (with Godown lock, MS L drop tower bolt etc ) all complete. Fixed to openings, frames with rawl plugs screws etc.	Kg	150		
8.00	<b>CIVIL MISCELLANEOUS ITEMS</b>				
8.01	Filling of Grooves in Grit Plaster Outside. (a)Cleaning of Grooves properly. (b)Applying water proofing Chemicals over the grooved surface.(c) Applying of cement sand mortar with water proofing chemical as per manufacturer specification to fill the grooves.(d) Matching the colour of plaster with the existing colour of surface.	Per Flat	1		
8.02	Grinding and polishing of existing mozaic or kota in flooring and skirting.	Sqm	75		
8.03	Removing of old railing in staircase and refixing, joining it in proper alignment at side of stair by drilling in RCC	LS	2		
8.04	Filling of khangar in sunken portion of floor and back portion of building to raise the level upto proper height	Cum	2		
8.05	P/F 4 mm thick coloured acrylic sheet at the entrance of the room with nut bolt or GI hook over frame of size 2' X 2' consumed by 2" X 1" (16 gauge) pipe	Sqm	40		
8.06	Providing and fixing in positon ward robe / kitchen cabinets upto 600 mm deep as per drawing made up of one side teak board of 19 mm thick waterproof plywood laminated on both sides with 0.8 mm thick laminate for inside, outside with 1 mm laminate for exposed shutters, backside (in touch with wall,ceiling, floor)covered with 20 gauge aluminium sheet with	Sqft.	540		

	all ends to be sealed with TW margin with horizontal shelves and vertical partition each ward robe and kitchen units along with shelves, shoe trays & drawers operative on telescopic channels for coats, sarees, clothes other household material and kitchen items including the cost of all accessories, hardware like hinges, catchers, handles, telescopic channels, locks, rods etc. all complete.				
<b>8.07</b>	Modular kitchen fitting with SS basket, channels and all accessories as per direction of EIC	<b>each</b>	<b>1</b>		
<b>8.08</b>	Providing and fixing of ordinary fixed glass panes 6mm thick in window with proper wooden bidding	<b>Sqm</b>	<b>5</b>		
<b>8.09</b>	P/F 6 mm thick 19 mm high golden coloured Jaisalmer stone as per direction of EIC	<b>RM</b>	<b>170</b>		
<b>8.10</b>	Providing and fixing of 2" to 2.5" 2nd class teak wood hand rail in stair with the finish of malamine polish	<b>RM</b>	<b>15</b>		
<b>8.11</b>	P/F rubber door stopper of cylindrical shape of required size	<b>each</b>	<b>15</b>		
<b>8.12</b>	Fixing C.P. brass fitting in toilet with extension pc., CP pipe & nut - bolt, washer etc. complete as per following detail :- Make of sanitary ware "PARKO or JAGUAR				
<b>i.</b>	Concealed stopcock with sliding cap (Cate No. 1516)	<b>each</b>	<b>6</b>		
<b>ii.</b>	Concelled single lever mixer (2 way)	<b>each</b>	<b>3</b>		
<b>iii.</b>	15 mm diameter small body bib cock ( Two in one for Jet)	<b>each</b>	<b>3</b>		
<b>iv.</b>	Basin inlet connection with 15" long pipe (Cat No. 1519)	<b>each</b>	<b>6</b>		
<b>v.</b>	Providing and fixing overhead shower	<b>each</b>	<b>3</b>		
<b>vi.</b>	Providing and fixing hand shower near toilet sheet	<b>each</b>	<b>3</b>		
<b>vii.</b>	Single lever basin mixer (Cate No. 2100)	<b>each</b>	<b>4</b>		
<b>viii.</b>	Single lever sink mixer	<b>each</b>	<b>2</b>		
<b>ix.</b>	Providing and fixing angle valve (Cate No. 2100)	<b>each</b>	<b>25</b>		
<b>x.</b>	Paper holder (Cate No. 1553)	<b>each</b>	<b>3</b>		
<b>xi.</b>	Glass / Fibre self with railing	<b>each</b>	<b>3</b>		

<b>xii.</b>	CP Towel rod	<b>each</b>	<b>4</b>		
<b>xiii</b>	CP trap jali	<b>each</b>	<b>14</b>		
<b>xiv</b>	Providing and fixing wall cap	<b>each</b>	<b>37</b>		
<b>xv</b>	P&F short body bib cock 15mm nominal bore	<b>each</b>	<b>6</b>		
<b>xvi</b>	P/F CI Nahani Trap of 3" dia	<b>each</b>	<b>9</b>		
<b>9.00</b>	<b>ELECTRICAL WORK</b>				
<b>9.01</b>	Supplying and fixing of following sizes of following sizes of PVC conduit along with accessories ( MS tee) in surface / recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	<b>RM</b>	<b>220</b>		
<b>9.02</b>	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required				
<b>i.</b>	2x2.5+1x2.5mm <sup>2</sup> copper conductor	<b>RM</b>	<b>1500</b>		
<b>ii.</b>	2x4+1x4 mm <sup>2</sup> copper conductor	<b>RM</b>	<b>1500</b>		
<b>iii</b>	2x10+1x10 mm <sup>2</sup> copper conductor	<b>RM</b>	<b>180</b>		
<b>9.03</b>	Supply & fixing of following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				
<b>i</b>	5/6 amps switch	<b>each</b>	<b>120</b>		
<b>ii</b>	3 pin 5/6 amp socket outlet	<b>each</b>	<b>40</b>		
<b>iii</b>	2 way 5/6 amp switch	<b>each</b>	<b>8</b>		
<b>iv</b>	15/16 amp switch	<b>each</b>	<b>60</b>		
<b>v</b>	6 pin 15/16 amp socket outlet	<b>each</b>	<b>60</b>		
<b>vi</b>	TV antena socket outlet	<b>each</b>	<b>6</b>		
<b>vii</b>	Tel. socket unit	<b>each</b>	<b>15</b>		
<b>9.04</b>	S/F modular boxes, base & cover plate: S/F following size/ modular, GI				

	box along with modular base & cover plate for modular switches in recess etc. as required.				
	1 or 2 module (75 mm X 75 mm)	<b>each</b>	<b>22</b>		
	3 module (100 mm x 75 mm)	<b>each</b>	<b>30</b>		
	4 module (125mm X 75 mm)	<b>each</b>	<b>30</b>		
	6 module (200mm X 75 mm)	<b>each</b>	<b>35</b>		
	8 module (125mm X 125 mm)	<b>each</b>	<b>18</b>		
<b>9.05</b>	Supply & Fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	<b>each</b>	<b>80</b>		
<b>9.06</b>	S/F stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. req.	<b>each</b>	<b>11</b>		
<b>9.07</b>	Supplying and drawing following pair, 0.5 Sqmm FR PVC annealed copper conductor, unarmoured tel. cable in the existing surface/ recessed steel/ PVC conduit as req. 4 pair	<b>RM</b>	<b>140</b>		
<b>9.08</b>	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as req.	<b>RM</b>	<b>125</b>		
<b>9.08</b>	S/F following way, single pole and neutral sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper busbar, earth bar, dinbar, detouchable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. ( But without MCB/RCCb/Isolator) 2 +12 way double door. As per direction of EIC	<b>each</b>	<b>1</b>		
<b>9.09</b>	Supply, Installation, testing, commissioning of water geysers includes supply of necessary fixing material & hardware:- a) 25 ltrs of Jaquar Smith or Havelles or Crompton or of appd. Quality	<b>each</b>	<b>3</b>		
<b>9.10</b>	Supply, Installation, testing, commissioning of instant water geysers includes supply of necessary fixing material & hardware:- crompton	<b>each</b>	<b>1</b>		

	make or Havells or of appd. Quality				
<b>9.11</b>	Supply, Instalation , testing, comissioning of T-5 tubelight withcomplete fitting includes supply of necessary fixing material & hardware:- 28 watts philips or surya make	<b>each</b>	<b>20</b>		
<b>9.12</b>	Supply, Instalation, testing, comissioning of light fittings with complete fitting includes supply of necessary fixing material -23 watt with 2-pin CFL of philips/equivalen make	<b>each</b>	<b>25</b>		
<b>9.13</b>	S/F CFL Tube Holders	<b>each</b>	<b>30</b>		
<b>9.14</b>	S/F D.P MCB 32 AMP.with M.C.B box concealing in wall	<b>each</b>	<b>6</b>		
<b>9.15</b>	Supply, Instalation , testing, comissioning of ceiling fans includes supply of necessary fixing material & hardware:- a) 48" size crompton make or appd. Equal	<b>each</b>	<b>9</b>		
<b>9.14</b>	Supply, Instalation , testing, comissioning of ceiling fans includes supply of necessary fixing material & hardware:- a) 36" size crompton make or appd. Equal	<b>each</b>	<b>2</b>		
<b>9.15</b>	300 mm dia exhaust fan of Crompton/Havells make	<b>each</b>	<b>5</b>		
<b>9.16</b>	P/F Curtain rod of Vista with all fittings and fixtures required and as per the instruction of EIC	<b>RM</b>	<b>35</b>		
<b>9.17</b>	P/F wall mounted fan of size 16" of Havells make	<b>each</b>	<b>4</b>		
<b>9.18</b>	S/F follollowing way, single pole and neutral sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper busbar, earth bar, dinbar, detouchable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. ( But without MCB/RCCb/Isolator) 2 +24 way double door. As per direction of EIC	<b>each</b>	<b>1</b>		
	<b>Grand TOTAL</b>				