



# **Hamdard Institute of Medical Sciences & Research & Associated HAH Centenary Hospital**

Hamdard Nagar, New Delhi-110 062

Website: [www.himsr.co.in](http://www.himsr.co.in)

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## **TENDER FOR REFURBISHMENT OF COMMON & STAFF WASHROOMS OF 'A' BLOCK, HAH CENTENARY HOSPITAL, HIMSR, HAMDARD NAGAR, NEW DELHI**

### **List of Annexures:**

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- Annexure I : Technical Bid
- Annexure II : Financial Bid (BOQ)



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Ref: HIMSR/HAHCH/Civil& Electrical/02

Date: 11/05/2022

## NOTICE INVITING TENDER

Sealed tenders (Two bid – Technical & Financial Bids) are hereby invited on behalf of HIMSR from experienced and interested Contractors.

Name of the work	:	Refurbishment of common & staff washrooms of 'A' Block, HAH Centenary Hospital, HIMSR, Guru Ravidas Marg, Hamdard Nagar, New Delhi-110 062
Tender Fee	:	Rs. 2,500/- (Rupees two thousand five hundred)
Earnest Money Deposit	:	Rs. 2,00,000/- (Rupees two Lakh)
Completion Time	:	45 days
Issue of Tender Document	:	11th May 2022
Last Date of Submission	:	21st May 2022

1. The Contractors having relevant experience in such field may download tender documents from the institute's official website [www.himsr.co.in](http://www.himsr.co.in) and submit the same. The filled tender along with the prescribed Earnest Money Deposit and Tender Fee should be submitted in the tender box at 9<sup>th</sup> floor of HAH Hospital 'B' Block on or before 21st May 2022 at 3:30 PM. The bids will be opened on the same day at 4:00 PM.
2. Intending tenderers should have valid registration with GST and related authorities.
3. The intending tenderers should have satisfactorily completed similar nature work means building works/interior works/renovation works etc. in reputed institutions, hospitals etc.



4. The tender documents duly completed along with EMD in form of demand draft/pay order in favour of the "HIMSR", payable at New Delhi from any Scheduled/Nationalized Bank will be submitted along with the technical bid. The technical bid of the parties shall be opened on the same day (i.e. due date of submission) at 4 PM. Any tender without EMD & Tender Fee shall be summarily rejected.
5. HIMSR reserves the right to reject any or all the tenders without assigning any reason thereof and also not bound to accept lowest tender. Tenders in whom any of the prescribed conditions are not fulfilled or found incomplete in any respect are liable to be rejected.
6. Canvassing whether directly or indirectly in connection with tender is strictly prohibited and the tender submitted by the contractors who resort canvassing will be liable to be rejected.
7. The technical bid submitted by the parties shall be opened on the same day i.e. last date of submission at 4 pm in the presence of tenderers who wish to be present. The Financial bids of technically qualified parties shall be opened at a later date and the technically qualified parties shall be informed in advance about the opening of their Financial bid.

**MEDICAL SUPERINTENDENT  
HAH CENTENARY HOSPITAL, HIMSR**



## **ANNEXURE 'A'**

### **SPECIAL TERMS AND CONDITIONS, SPECIFICATIONS AND SCOPE OF WORK**

#### **1.0 INTRODUCTION**

HIMSR & HAHCH proposes to refurbish the common and staff washrooms at Ground, First & second floor of HAH Centenary Hospital, Guru Ravidas Marg, Hamdard Nagar, New Delhi-110062.

Brief scope of work involves the following:

- a. Dismantling of Existing toilet and the plumbing lines
- b. Refurbishment of plumbing system
- c. Toilet flooring, tiles laying, wall dadoing
- d. Installation of sanitary wares and toilet cubicles.
- e. Installation of Electrical fixtures
- f. False ceiling, mechanical ventilation and other allied works
- g. Finishing works.

#### **2.0 SUBMISSION OF TENDER**

**2.1 Before submitting the Tender, the Tenderer shall visit the site at their own cost and expenses** and understand the scope of work, examine and satisfy as to the nature of the existing roads, means of communications, the character of the soil, and of the excavations, the correct dimensions of the work facilities for procuring various construction and other material and their availability, and shall obtain information on all matters and conditions as they may feel necessary for the execution of the works as intended by HIMSR and shall also satisfy of the availability of suitable water for construction of civil works and for drinking purpose and power required for fabrication work etc. Tenderer, whose tender may be accepted and with whom the Contract is entered into shall not be eligible and be able to make any claim on any of the said counts in what so ever manner for what so ever reasons at any point of time and such a claim shall not be raised as a dispute and shall not be arbitrable.

**2.2** The dimensions and quantities given in the BOQ and drawings are indicative only. The actual quantity and dimensions at site may vary. Payment shall be made on the basis of actual work carried out and certified by the joint measurement of the contractor and HIMSR officer in charge.

**2.3** The quantities indicated in the Tender are approximate.



- 2.4** HIMSR reserves their right to award the contract to any tenderer and their decision in this regard shall be final. They also reserve their right to reject any or all tenders received. No disputes could be raised by any tenderer(s) whose tender has been rejected.
- 2.5** The Rates quoted by the Tenderer shall include Costs and expenses on all counts viz. cost of materials, transportation of machine(s), tools, equipments, labour, power, administration charges, price escalations, profits etc. Rates thus quoted are fixed and no escalation, whatsoever or labour, materials shall be payable. However, water and power may be provided by HIMSR as per availability. Shortage, if any will be arranged by the contractor. The description given in the schedule of quantities shall unless otherwise stated be held to include wastage on materials, carriage and cartage, carrying in and return of empties, hoisting, setting, fitting and fixing in position and all other expenses necessarily and for the full and complete execution and completion of works and in accordance with good practice and recognized principles in that regard.
- 2.6** In consideration for having a chance to be considered for entering into a contract with HIMSR, the Tenderer agrees that the Tender submitted by him shall remain valid for the period prescribed in the tender conditions, from the date of opening of the tender.
- 2.7** The works shall be carried out strictly as per approved specifications and drawings and as per Standard Engineering Practice and shall conform to National Building Code of India. Deviations, if any, shall have to be authorized by HIMSR Engineer in writing prior to implementing deviations. The price benefit, if any, arising out of the accepted deviation shall be passed on to HIMSR. The decision of competent authority of HIMSR shall be final in this matter.
- 2.8** The contractor shall make all arrangements at his own cost to transport the required materials outside and inside the working places and leaving the premises in a neat and tidy condition after completion of the job to the satisfaction of HIMSR. All materials shall be supplied by the contractor at his own cost and the rates quoted by the Contractor should be inclusive of all royalties, rents, taxes, duties, octroi, statutory levies, if any, etc.
- 2.9** The Contractor shall not carry on any work other than the work under this Contract within HIMSRs premises.
- 2.10** At any time after acceptance of tender, HIMSR reserves the right to add, amend or delete any work item, the bill of quantities at a later date or reduce the scope of work in the overall interest of the work by prior discussion and intimation to the Contractor. The contractor shall not claim any loss of profit if any, on account of reduction of scope of work. The decision of HIMSR, with reasons



recorded thereof, shall be final and binding on both HIMSR and the Contractor. The Contractor shall not have right to claim compensation or damage etc. in that regard. HIMSR reserves the right to split the work under this contract between two or more contractors without assigning any reasons.

- 2.11** All signatures in tender document shall be dated as well as all the pages of all sections of the tender documents shall be initialed at the lower position and signed, wherever required in the tender papers by the Tenderer or by a person holding Power of Attorney authorizing him to sign on behalf of the tenderer before submission of tender.
- 2.12** The Tender submitted by a tenderer if found to be incomplete in any or all manners is liable to be rejected. The decision of HIMSR in this regard is final and binding. In case of any error/discrepancy in the amount written in words and figures, the lower amount between the two shall prevail.

### **3.0 EXECUTION OF WORK**

- 3.1** All the works shall be executed in strict conformity with the provisions of the contract documents and with such explanatory details, drawings, specifications and instructions as may be furnished from time to time to the Contractor by HIMSR's Engineer, whether mentioned in the Contract or not.
- 3.2** The Contractor shall be responsible for ensuring that works throughout are executed in the most proper and workman- like manner with the quality of material and workmanship in strict accordance with the specifications and to the entire satisfaction of HIMSR.
- 3.3** For working on Sundays/Holidays, the contractor shall obtain the necessary permission from competent authority of HIMSR in advance. The contractor shall be permitted to work beyond the normal hours with prior approval of competent authority and the contractors quoted rate is inclusive of all such extended hours of working and no extra amount shall be payable by HIMSR on this account.
- 3.4** The Contractor shall be entirely and exclusively responsible for the horizontal and vertical alignment, the levels and correctness of every part of the work and shall rectify effectually any errors or imperfections therein. Such rectifications shall be carried out by the Contractor, at his own cost.
- 3.5** In case any doubts arise in the mind of the Contractor in regard to any expressions, interpretations, statements, calculations of quantities, supply of material rates etc., the contractor shall refer the same to HIMSR's Engineer for his clarification, instructions, guidance or clearing of doubts. The decision of HIMSR's Engineer shall be final and the contractor shall be bound by such a decision.



**3.6** The Contractor shall take adequate precautions, to ensure that his operations during office hours donot create nuisance or misuse of the work space that shall cause unnecessary disturbance or inconvenience to the staffs and visitors at office and others at the work site. Proper housekeeping of the siteshall be done on a regular basis.

**3.7** The contractor shall furnish to HIMSR's Engineer for approval when requested or required adequate samples of all materials and finishes to be used in the work.

#### **4.0 ALTERATIONS AND ADDITIONS TO SPECIFICATIONS, DESIGNS AND WORKS**

HIMSR's Engineer shall have powers to make any alterations, additions and/or substitutions to the schedule of quantities, the original specifications, drawings, designs and instructions that may become necessary or advisable or during the progress of the work and the Contractor shall be bound to carry out such altered/extra/new items of work in accordance with instructions which may be given to him in writing signed by the Engineer-in-Charge. Such alterations, omissions, additions or substitutions shall not invalidate the contract. The altered, additional or substituted work which the Contractor may be directed to carryon in the manner as part of the work shall be carried out by the Contractor on the same conditionsin all respects on which he has agreed to do the work except the applicability of rates, which will not be decided by the Engineer-in-charge if found necessary, as per rate analysis based on prevailing market rates.

#### **5.0 DEFECT LIABILITY PERIOD**

The contractor shall guarantee the work executed for a period of 12 months from the date of completion of the job. Any damage or defect that may arise or lie undiscovered at the time of completion of the job shall berectified or replaced by the contractor at his own cost. The decision of HIMSR's Engineer shall be the final indeciding whether the defect has to be rectified or replaced. Equipment or spare parts replaced underwarranty/guarantees shall have further warranty for a mutually agreed period from the date of acceptance. HIMSR shall intimate the defects noticed in writing and the contractor within 15 days of receipt of the intimation shall start the rectification work and complete within the time specified by HIMSR failing whichHIMSR will get the defects rectified by themselves or by any other contractor and the expenses incurred ingetting the same done shall be paid by the Contractor under the provision of the Contract.

Thus, defect liability is applicable in case of job/works contract (civil, mechanical, electrical, sanitary, maintenance etc.) where any damage of defect may arise in future (i.e. within 12 months from the date of completion of job) or lie undiscovered at the time of completion of job.

#### **6.0 DAMAGE TO PROPERTY**



Contractor shall be responsible for making good to the satisfaction of HIMSR any loss of and any damage to all structures and properties belonging to HIMSR or being executed or procured by HIMSR or of other agencies within the premises of the work of HIMSR, if such loss or damage is due to fault and/or the negligence or willful acts or omission of the Contractor, his employees, agents, representatives or sub-contractors.

The Contractors shall indemnify and keep HIMSR harmless of all claims for damage to HIMSR's property arising under or by reason of this contract.

#### **7.0 EMPLOYMENT LIABILITY TOWARDS WORKERS EMPLOYED BY THE CONTRACTOR**

The Contractor shall be solely and exclusively responsible for engaging or employing persons for the execution of work. All persons engaged by the contractor shall be on Contractor's payroll and paid by Contractor. All disputes or differences between the Contractor and his/their employees shall be settled by Contractor.

#### **8.0 SAFETY CODE**

The Contractor shall at his own expenses arrange for the Safety provisions as may be necessary for the execution of the work or as required by the Engineer-in-Charge in respect of all labors directly or indirectly employed for performance of the works and shall provide all facilities in connections therewith. In case the contractor fails to make arrangements and provide necessary facilities as aforesaid, HIMSR shall be entitled to do so and recover the cost thereof from the Contractor.

From the commencement to the completion of the works, the contractor shall take full responsibility for the care thereof and of all the temporary works (defined as meaning all temporary works of every kind required in or for the execution, completion or maintenance of the works). In case damage, loss or injury shall happen to the works or to any part thereof or to temporary works or to any cause whatsoever repair at his(Contractor's) own cost and make good the same so that at the time of completion, the works shall be in good order and condition and in conformity in every respect with the requirement of the contract and Engineer-in-Charge's instructions.

The Contractor shall observe and abide by all fire and safety regulations of HIMSR. Before starting construction work, the Contractor shall consult with HIMSR's Engineer and must make good to the satisfaction of HIMSR any loss or damage due to fire to any portion of the work done or to be done under this agreement or to any of HIMSR's existing property.

The Contractor will be fully responsible for complying with all relevant provisions of the Contract Labour Act and shall pay rates of Wages and observe hours of work/conditions of employment according to the rules in force from time to time.

#### **9.0 DOCUMENTS CONCERNING WORKS**





All documents including drawings, blue prints, tracings, reproducible models, plans, specifications and copies, thereof furnished by HIMSR as well as all drawings, tracings, reproducible, plans, specifications design calculations etc. prepared by the contractor for the purpose of execution of works covered in or connected with this contract shall be the property of HIMSR and shall not be used by the contractor for any other work but are to be delivered to HIMSR at the completion or otherwise of the contract.

#### **10.0 MEASUREMENT OF WORKS**

All measurements shall be in metric system. All the works will be jointly measured by the representative of HIMSR/ Architect /Consultant / HIMSR's Engineer and the Contractor or their authorized agent progressively. Such measurement will be recorded in the Measurement Book/Measurement Sheet.

For the purpose of taking joint measurement, the Contractor/representative shall be bound to be present whenever required by HIMSR's Engineer. If, however, they are absent for any reasons whatsoever, the measurement will be taken by HIMSR's Engineer or his representative and the same would be deemed to be correct and binding on the Contractor.

In case of any dispute as to the mode of measurement for any item of work, the latest Indian Standard Specifications / CPWD/ relevant codes of practice shall be followed.

#### **11.0 BILLING OF WORKS EXECUTED**

The Contractor will submit a bill in approved proforma to HIMSR's Engineer of the work giving abstract and detailed measurement for the various items executed with a minimum running bill value of Rs. 5 Lakhs.

#### **12.0 STATUTORY LEVIES**

The Contractor accepts full and exclusive liability for the payment of any and all taxes, duties, octroi, rates, levies, cess and statutory payments payable under all or any of the statutes etc.

Variations of taxes and duties arising out of the amendments to the Central / State enactments, in respect of sale of goods / services covered under this bid shall be to HIMSR's account.

They relate to the period after the opening of the Financial bid, but before the contracted completion period ( excluding permitted extensions due to delay on account of the contractors, if any) or the actual completion period, whichever is earlier; and



The vendor furnishes documentary evidence of incurrence of such variations, in addition to the invoices/documents for claiming GST /Input Tax credit, wherever applicable.

### **13.0 MATERIALS TO BE SUPPLIED BY CONTRACTOR**

The Contractor shall procure and provide the whole of the materials required for construction including tools, tackles, construction plant and equipment for the completion and maintenance of the works. All materials procured should meet the specifications given in the tender document. The Engineer-in-charge may, at his discretion, ask for samples and test certificates for any batch of any materials procured. Before procuring, the Contractor should get the approval of HIMSR's Engineer for any materials to be used for the works.

Manufacturer's certificate shall be submitted for all materials supplied by the Contractor. If, however, in the opinion of HIMSR's Engineer any tests are required to be conducted on the material supplied by the Contractor, these will be arranged by the Contractor promptly at his own cost.

### **14.0 SCOPE OF WORK**

- 14.1** Dismantling of Existing Building, Construction with Cubical Partition, laying of pipelines, Sanitary & Fittings, Fresh Air & Ventilation and false ceiling.
- 14.2** Electrical Works such as supplying and laying cables, internal wiring etc.
- 14.3** Image up-gradation works like UPVC glazing, UPVC Windows and Ventilators etc.

The following shall be the specifications for the items used in the contract:-

#### **A) TECHNICAL SPECIFICATION-CIVIL WORK**

1. All materials to be used in the execution of Civil & structural works shall be governed by the requirements of this specification.
2. Whenever any reference to IS codes is made, the same shall be taken as the latest revision (with all amendments issued) as on the date of submission of the bid.
3. In case of any variation/ contradiction in provisions between IS codes and this specification, the provisions given in this specification shall be followed with the approval of the Engineer in Charge.



4. All materials shall be of standard quality and shall be procured from renowned sources/ manufactures approved by the Engineer Incharge. It shall be the responsibility of the Contractor, to get all materials prior to procurement and placement of order.
5. Quality and acceptability of materials not covered under this specification shall be governed by the relevant IS codes. In case IS code is not available for the particular material, other codes e.g. BS or DIN or ASTM shall be considered. The decision of the Engineer-in-Charge in this regard shall be final and binding on the contractor.
6. The quality of all materials once approved shall be maintained throughout the period of construction and periodical tests shall be carried out to ensure that it is maintained. Such routine tests shall be listed under the different materials and/or as may be ordered by the Engineer from time to time.
7. Where a particular "Brand" or "Make" of material is specified in the Schedule of Items or Technical Specifications, such "Brand" or "Make" of material alone shall be used on the work. Should it become necessary for any reason such as non-availability, to use any material other than the specified "Brand" or "Make".

## **B) TECHNICAL SPECIFICATIONS – ELECTRICAL SYSTEM**

All equipments their installation, testing and commissioning shall conform latest IS specifications in all respects. Indian Standard Code of Practice for Electrical Wiring Installation IS:732-1989. It shall also be in conformity with Indian electricity Rules and the Regulations, National Electric Code, National Building Code, amended up to date and requirements of the Local Electric Supply Authority. In general, all materials equipment and workmanship shall conform to the Indian Standards specifications and code.

### **SCOPE OF WORK**

The scope of work covered by this specification shall include supply and installation of all electrical equipment and materials including testing and commissioning.

The Engineer reserves the right to specify electrical materials and equipment of a particular make for the purpose of standardisation and the tenderer shall agree to supply the materials of the make specified, if so required.



## 15.0 APPLICABILITY OF CPWD GUIDELINES

The above contract shall be guided generally by CPWD norms viz CPWD specifications, GC, manual of works etc. for general guidelines, which will not supersede the express provisions given in the various clauses of this tender

## 16.0 *Tenders shall be submitted in two separate sealed envelopes Super scribing as following:-*

### ENVELOPE – I

### (TECHNICAL BID)

Name of work :  
Tender ref. no. :  
Due date & time of opening :  
Addressed to : Medical Superintendent,  
HAH Centenary Hospital, HIMSR  
Guru Ravidas Marg, Hamdard Nagar,  
New Delhi – 110 062

From:  
Name & address of the tenderer

This envelope shall contain the following:-

- Technical Bid as per Annexure-I.
- EMD in the form of Demand Draft drawn on a scheduled/nationalized bank in favour of 'HIMSR.' payable at New Delhi. Cheque will not be accepted.

### **NOTE:**

1. All the photocopies of the documents enclosed with the technical bid in support of technical eligibility criteria should be signed by the bidder/ authorized person.
2. The technical bid (Envelope-I) should not contain any financial information related to rates of items etc. The Financial bid must be submitted in a separate sealed envelope (i.e. Envelope-II).

### ENVELOPE – II

### (FINANCIAL BID)

Name of work :  
Tender ref. no. :  
Due date & time of opening :  
Addressed to : Medical Superintendent,  
HAH Centenary Hospital, HIMSR  
Guru Ravidas Marg, Hamdard Nagar,  
New Delhi – 110 062

From:  
Name & address of the tenderer

This envelope shall contain the following:-

- Financial Bid as per Annexure-II.



**ANNEXURE 'B'**

**AFFIDAVIT**

*To be submitted by the bidder on Non Judicial stamp paper of Rs 100/- duly notarized:*

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I/We solemnly declare through the affidavit that:

- i) We have not been prosecuted under law for any mislead/ wrongful activities.
- ii) The information submitted in the tender are true and correct and conform to all the terms and conditions of the tender.

Deponent

**Verification**

It is hereby verified that the information furnished are true is the best of our knowledge and nothing has been concealed therefrom.

Deponent

**ANNEXURE 'C'****LIST OF APPROVED MAKE/BRAND FOR CIVIL WORKS**

S. NO.	NAME OF MATERIALS	APPROVED MAKE
1	Cement	Ultratech, Birla, Ambuja
2	Ceramic floor tile/wall tile	Somany/ Johnson/ Kajaria
3	Polished vitrified ceramic tile	Marbonite/Granamite/Diamontile
4	UPVC door/window	Jindal/Indal, Fenesta
5	Floor spring/door closer	Dorma/ Sondhu/Doorset
6	Glazing/glass	Indo-asahi /Modi float/Saint Gobain
7	Water closet/wash basin/ urinal/ flushing cistern/WC cover	Hindustan sanitaryware/ Parryware/ Cera/Jaquar
8	Health Faucet with long body Tap	Parryware, Hindware & Jaquar
9	CP brass fittings like bib cock, stop cock, pillar cock, bottle trap , waste coupling	Jaquar/Parko/Parryware
10	PVC pipe	Supreme/Prince/Astral/Prakash
11	Gun metal gate valve/check valve	Supreme/Prince/Astral/Prakash



**ANNEXURE 'D'**

**LIST OF APPROVED MAKE/BRAND FOR ELECTRICAL WORKS**

S. NO.	NAME OF MATERIALS	APPROVED MAKE
1	PVC Conduits and accessories	KPI / AKG
2	PVC Insulated FRLS copper wire	Havells / Polycab / KEI
3	Switch / sockets	Roma / Havells / Northwest
4	Light fittings/ballast/ lamps	Havells / Philips / Crompton
5	Exhaust fans	Havells / Crompton / Usha /Luminous / Bajaj / Orient



## **ANNEXURE-I**

### **TECHNICAL BID**

- 1 Name of the firm M/s.....
- 2 Address of the firm.....  
.....
- 3 Registration No of the Firm/Agency.....
- 4 Please specify as to whether tenderer is a sole proprietor/partnership or company.....
- 5 Name, email & Telephone No. of Director/partner should be specified  
(a) ..... (b) .....  
.....
- 6 Name, Designation, Address and Telephone No..... of  
authorized person of firm/agency to deal with .....
- 7 PAN..... TAN ..... GST .....
- 8 Details of
  - (i) Tender fee
  - (ii) EMD

(a) Amount .....	.....
(b) DD Number .....	.....
(c) Name of issuing Bank.....	.....
- 9 Business turnover certificate (attested by CA) for last three years  
(Minimum turnover should be Rs 60 Lakh per year)
- 10 Total experience in similar types works (in year) .....  
The bidder during last 7 years should have successfully executed similar types of works of;
  - i) One contract of minimum value of Rs 48 Lakh, or;
  - ii) Two contract of minimum value of Rs 36 Lakh, or;
  - iii) Three contract of minimum value of Rs. 24 Lakh
- 11 Details of the work executed in last three years
- 12 Any other information important in the opinion of the tenderer





## ANNEXURE-II

### FINANCIAL BID (BILL OF QUANTITIES)

SN	Description	UOM	Qty	Rate	Amount
	<b>Civil Items</b>				
1	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	15.00		
2	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	150.00		
3	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :				
	15 mm to 40 mm nominal bore	meter	540.00		
4	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	30.00		
5	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 Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
	20 mm nominal outer dia Pipes	meter	164.25		
6	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.				
	40 mm nominal outer dia Pipes	meter	225.00		
7	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
	25 to 40 mm nominal bore	each	30.00		
8	Providing and fixing 1 <sup>st</sup> quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.				
		sqm	1130.10		
9	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	15.00		
10	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	30.00		
11	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-				
	White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	each	30.00		



12	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	Flexible pipe				
	32 mm dia	each	30.00		
13	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.				
		each	45.00		
14	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931				
	15 mm nominal bore	each	60.00		
15	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
	15mm nominal bore	each	165.00		
16	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. B56with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.				
		each	15.00		
17	Providing and fixing 100 mm sand cast Iron grating for gully trap				
		each	60.00		
18	Providing and fixing 600x450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.				
		each	30.00		
19	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.				
		each	15.00		
20	Providing and fixing toilet paper holder :				
	C.P. brass	each	30.00		



21	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.				
		each	30.00		
22	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided throughout the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer in- Charge.				
		meter	300.00		
23	Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1 mm, painted with primer, all four corners of reinforcement to be welded or sealed. .... Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self-driven self-tapping screws of size 100mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in- charge.				
	Decorative finish (both side wood grained finish)	sqm	84.15		
24	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) 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 or cross bands and face veneers on both faces of shutters:				
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	24.90		
25	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt/ suede finish				



	with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
	1.0 mm thick	sqm	49.80		
26	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :				
	250x16 mm	each	60.00		
27	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
	200x10 mm	each	60.00		
28	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :				
	100 mm	each	120.00		
29	Kota stone slab flooring over 20 mm (average) thick 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 (1 cement : 4 coarse sand) :				
	25 mm thick	sqm	22.50		
30	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.				
		sqm	6.45		
31	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick				



	(minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of G60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece	sqm	224.25		
32	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)				
		kg	465.00		
33	Providing and fixing of aluminium windows 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 junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. fixed frame and glass 4 mm thick as per the direction of Engineer-in-charge.				
		sqm	78.15		



34	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
		sqm	1130.10		
	<b>Electrical Items</b>				
35	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	meter	300.00		
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	meter	300.00		
36	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
	3 Module (100mmX75mm)	each	15.00		
	6 Module (200mmX75mm)	each	15.00		
37	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
	5/6 A switch	each	60.00		
	15/16 A switch	each	30.00		
	6 pin 15/16 A socket outlet	each	30.00		
38	Providing and fixing of Exhaust Fans 300 mm	each	15.00		
39	Providing and fixing of 2x2 LED Light	each	45.00		
40	Providing and fixing 12W round LED	each	60.00		
41	Providing and fixing of Geyser 35 Ltr	each	15.00		
42	Providing and fixing of Cylindrical Door Lock	each	15.00		
43	Providing and fixing wall mounted foldable grab bars support for handicapped	each	30.00		
44	Providing and fixing of 2 in 1 Angle valve	each	30.00		
45	Providing and fixing of Health faucet	each	30.00		
46	Providing and fixing of Liquid soap dispenser	each	15.00		



47	Rubbing and polishing of old Kota stone	each	15.00		
48	Providing and fixing of PVC drain pipe for waste line size 100 mm 6 KG pressure	meter	120.00		
49	Providing and fixing of 100 mm PVC Elbow	each	45.00		
50	Providing and fixing of 100 mm PVC Door Tee	each	15.00		
51	Providing and fixing of PVC drain pipe for waste line size 75 mm 6 KG pressure	meter	120.00		
52	Providing and fixing of 75 mm PVC Elbow	each	45.00		
	Providing and fixing of 75 mm PVC N Tap	each	15.00		
	<b>Total</b>				
	<b>GST</b>				
	<b>Grand Total</b>				