

**JAMIA HAMDARD
HAMDARD NAGAR NEW DELHI-62**

Ref. No. JH/ES/166-2/04-05
Dated: - 05-12-2016

SHORT TERM TENDER/QUOTATION NOTICE

The Dean, HIMSAR, invites sealed items rate quotations/ tender, from experienced, **registered** & spealized contractors/ **agencies** for the following works. The tender/quotation document can be collected from office of the Estate Officer or download for Jamia Hamdard University Web Site (www.jamiahamdard.ac.in) or (www.jamiahamdard.edu) from 05-12-16 to 14-12-16 up to 1.00 p.m. after satisfying themselves eligible for the work as per tenders term & condition.

NAME OF WORK: a) Renovation of washrooms in HIMSAR. (16nos).

Estimated amount Rs. 22,40,319.01

d) Repair of washrooms in HIMSAR. (16 nos.)

Estimated amount Rs.11,17,457.65

EARNEST MONEY: a) Rs. 44,806.00 only

b) Rs. 22,350.00 only

TENDER COST. Rs. 300.00 only for each work (Non Refundable)

TIME PERIOD. 60 Days.

The contractors may drop the tenders in the tender box placed in the purchase section on or before 14-12-16 up to 3.00 p.m., along with separate demand draft of each work and tender document fee (Rs. 300/ each tender non refundable) shall be in sealed envelope clearly specifying the name of work.

The D.Ds shall be in favor of Jamia Hamdard payable New Delhi. The tenders shall be opened on same day at 3.30 p.m. by the tender committee in presence of available interested parties. In the event of the non following the required procedure the tender is liable to be rejected.

Jamia Hamdard reserves the right to reject any/all tenders or split the tenders without assigning any reason.

(Prof. M.Y. Kharadi)
Dean, HIMSAR

C. C. to.

1. Director General, HIMSAR & HAHC Hospital
2. Dr. M. Iqbal Alam, (Deptt. of Physiology, HIMSAR)
3. Finance Officer
4. Estate Officer
5. Er., A.K. Kamboj, HAHC Hospital
6. P.A. to Dean, HIMSAR
7. P.S. to Registrar

JAMIA HAMDARD
HAMDARD NAGAR
NEW DELHI -110062

TENDER DOCUMENT
FOR

Repair & Remolding of Toilet Blocks
at HIMSR Building.

**JAMIA HAMDARD
HAMDARD NAGAR, NEW DELHI – 110062**

TENDER FOR: _____

ESTIMATED COST: Rs. _____

EARNEST MONEY: Rs. _____

TIME PERIOD: _____

COST OF TENDER: Rs. _____

DATE OF ISSUE & RECEIVING OF TENDER: From _____ to _____ up to 3.00 p.m.

DATE OF OPENING OF TENDER: On _____ at _____ p.m.

ISSUED TO: M/S _____

CONTRACTORS SIGNATURE
AND ADDRESS

SUMMARY OF VARIOUS CLAUSES

1. Defects Liability Period	One year
2. Period of final measurement	one month
3. Date of commencement	06 days from the receipt of work order.
4. Time of Completion	60 Days.
5. Liquidated damages	1% per day subject to max. of 10% of the contract value.
6. Earnest money deposit	Rs. _____ . 00 only
7. Retention money	10% of each running bill subject to a maximum of Rs. 1 Lakh.
8. Escalation	No escalation on any account shall be payable to the contractor.
9. Extra Items	As specified in the tender document.
10. Supply of Material	To be arranged by the contractor as approved by the In charge of work.
11. Water supply	To be arranged by contractor.
12. Taxes	Income tax and other taxes as per Govt. rules & J.H.R. welfare fund 0.25% shall be deducted from the bills and also the labour CESS shall be deposited by the contractor and produce the receipt before running & final payment of work done.

MEMORANDUM

- (a) General Description
- (b) Estimated Cost Rs.
- (c) Earnest Money Rs.
- (d) Security Deposit 10% to Max. of Rs. 1 Lakh from each running bill the security deposit will be collected by deductions from the running bills of the contractor at rate in clause I.
- (e) Time allowed for the work from the 06th day after the date of written order to commence -----I/We hereby agreed (1) to abide by and fulfill all the terms and provisions of the said conditions annexed hereto and all the terms and provisions contained in notice inviting tenders so far as applicable and/or in default thereof to forfeit and pay to the Director General HIMSR & HAHC Hospital, Jamia Hamdard, or the successors, in conditions. A sum of Rs. ----- is hereby forwarded in Demand Draft. If I/We fail to commence the work specified in the above memorandum I/We agree that the said Director General HIMSR & HAHC Hospital his successors in office shall, with prejudice to any other right on remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by him towards security deposit mentioned against clause I/We (ii) to execute all the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to a maximum of 50% at the rate quoted in tender documents and those in excess of that limit at the rates to be determined in accordance with the provisions contained in tender form.

Dated the _____ day of _____ 2016.

Witness:

Address:

Occupation:

Dated the _____ day of _____ 2016.

AGREEMENT FORMATE

Article of Agreement made this _____ between HIMSR, Jamia Hamdard, Hamdard Nagar, New Delhi (hereinafter called "The Employer") of the one part and _____ (or whose registered office is situated at _____ New Delhi hereinafter called the contractor of the other part.

WHEREAS the Employer is desirous for **Repair & remolding of toilet blocks at HIMSR Building** and has caused specifications and schedules of quantities describing the works in the tender.

AND WHEREAS the Contractor has agreed to execute upon and subject to conditions set forth herein (hereinafter referred to as the said conditions) the works described in the specifications and included to the said schedule of quantities at rates therein set forth amounting to the sum of Rs. _____.

HEREINAFTER referred to as (" the said contract amount") **AND WHEREAS** the contractor has deposited with HIMSR, Jamia Hamdard, New Delhi the sum of Rs. _____ as the security to be retained until the expiry of the defects liability period for the due observance and performance of this contract.

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of said contract amount to be paid at the times and in the manner set forth in the said conditions, the contractor shall upon and subject the said conditions execute and complete the work shown and described in the said specification and/or the schedule of Quantities.
2. The Employer shall pay the contractor the said contract amount or such other sum as shall become payable at the time and in the manners hereinafter specified in the conditions.
3. The said Terms & conditions and schedule of quantities shall be read and construed as framing part of this agreement and the parties hereto shall respectively abide by, submit themselves to the condition and perform the agreements of their part respectively in such conditions contained.
4. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen in DELHI and only the courts in Delhi shall have jurisdiction to determine the case.

As witness our hands this _____ day of _____ 2016.

Signed by the said _____
(Employer)
In the presence of _____
Address _____

Singed by the said _____
(Contractor) _____

In the presence of _____
Address _____

Documents to be attached by the contractor

1.	Reference cost of tender form (copy of tender cost slip)	No.-----Date-----
2.	Reference of Ernest Money (Demand Draft amount of each work.	D.D. No. -----Date-----
3.	Registration certificate (enclosed the attested copy of registration certificate)	No.-----Date----- From-----Date-----
4.	Copy of TIN certificate (Enclosed attested copy)	No.----- Date----- From----- Date-----
5.	EPF Registration certificate (Enclosed attested copy of EPF registration certificate)	No.-----Date----- From-----Date-----
6.	ESI registration certificate (Enclosed attested copy of ESI registration certificate)	No. -----Date----- From-----Date-----
7.	Permanent Account Number issued by the Income Tax Department (Enclosed attested copy of PAN)	No. -----Date----- From-----Date-----
8.	Service Tax Registration Certificate (Enclosed attested copy of service tax registration certificate)	No. -----Date----- From-----Date-----
9.	Turnover of last 3 financial years. (Enclosed attested copy of auditor's report with balance sheet per year)	No.----- -Date----- From-----Date----- From-----Date----- From-----Date-----

10.	Proof of execution of similar works executed in last 05 Year's and proof of execution of minimum two plumbing works of amounting Rs. 25.00 lakh of each work (Enclosed copies of work orders & completion certificate of each work) at Universities, reputed corporate offices & Govt. Organizations etc.	Name of organization From..... up to 1..... 2..... 3..... 4.....
11.	Firm should have registered in Delhi. Address of Registered office / corporate office. (Enclosed attested copy of Registration Certificate)	Registered Office Address

CONTRACTORS SIGN AND SEAL

General Term & Conditions

- 1 Sealed item rate tenders are invited by the Dean, HIMSR on behalf of Director General HIMSR & HAHC Hospital, for the **Repair & remolding of toilet blocks at HIMSR Building.**
- 2 Tenders not properly filled mutilated with incorrect calculations or generally not complying with the condition may be rejected.
- 3 Tenderers should quote their rates both in figures and in words. The schedule or quantities must be fully priced and the total of each page along with carried over figures of the previous page shall be given in ink and signed by the tender. No blank spaces shall be left.
- 4 If the tender is made by or on behalf of a company incorporated under the companies Act it shall be signed by the Managing Director or by one of the Directors duly authorized on that behalf. If it is made by a partnership firm it shall be signed with the Co-partnership name by a member of the firm who shall sign his own name and give the name and address of each partner of their firm and attach copy of Power of Attorney with the Tender authorizing him to sign on behalf of the other partners. A certified copy of the registered partnership deed shall also be submitted along with the tender.
- 5 **ACCEPTANCE PERIOD**
The tender shall remain valid for acceptance for a period of 30 days from the date of opening of tender.
- 6 **SITE INSPECTION**
Every tenderer is expected to inspect the site of the proposed work before quoting his rates. He must go through and see the site of work before quoting the rates.
- 7 **SCHEDULE OF QUANTITIES**
A schedule of approximate quantities for various items accompanies this tender. It shall be definitely understood that the owner does not accept any responsibility for the correctness or completeness of the schedule in respect of items and quantities and this schedule is liable to alterations by omissions, deductions or additions at the discretion of the owner without affecting the terms of the contract.
- 8 **CONTRACTORS' RATES**
The contractor's rates must include the cost of transportation of material to the site, all taxes such as Sales Tax, Excise and G.T. etc. and the fixing or placing in position for which the items of work is intended to be operated. The rates shall be inclusive of all height, lead, lift and scaffolding etc. complete, no extra payment shall be made except specified in the item.
- 9 **INTERPRETATION**
In interpreting the specifications, the following order of decreasing importance shall be followed:
 - (a) Description in schedule of quantities.
 - (b) Particular or special specifications and special conditions if any.
 - (c) Instruction/direction issued time to time by the site In charge or authorized person deputed by the Dean, HIMSR/Director General HIMSR & HAHC Hospital, Jamia Hamdard.
 - (d) General Specifications: The relevant Indian Standard Codes shall cover such items, not covered in the specifications of the tender as a whole. If such codes for a particular subject have not been framed, the decision of the owner shall be final.
- 10 **ALTERATIONS IN N.I.T.**
The tenderer in the Notice inviting Tenders shall make no alterations. Instructions to the contractors, contract Form, Conditions of the Contract, instruction and specifications, and if any such alterations are made or any special rejected.
- 11 **ACCEPTANCE OF TENDER**
The acceptance of the tender will rest with the Director General HIMSR & HAHC Hospital, who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders, received, without assigning any reason (s) or sublet the whole work.

12 SITE SUPERVISION

The work shall be carried out under the direction and supervision of the Engineer In-charge or representative of Director General HIMSR & HAHC Hospital at site. On accepting of the tender, the contractor shall intimate the name of his accredited representative who would be supervising the work & should be responsible for taking instructions for carrying out the work. The owner/or their representative at site shall have access to the workshop of the successful tenderers so as to ensure themselves of the quality of material and workmanship.

13 QUALITY

The Dean, HIMSR/ Director General HIMSR & HAHC Hospital decision regarding the quality of the material and workmanship will be final and binding. The Dean, HIMSR/ Director General HIMSR & HAHC Hospital shall during the progress of the work have power to order in writing form time to time the removal of the work, within such reasonable time or times as may be specified in the order, of any material which in the opinion of Dean, HIMSR/ Director General HIMSR & HAHC Hospital not in accordance with specification or instructions. The substitution or proper re-execution of any work or replacement of bad material shall be borne by the contractor with no liability towards the owners.

14 DISMISSAL OF WORK:

The contractor shall on the request of Dean, HIMSR/ Director General HIMSR & HAHC Hospital immediately dismiss from work any person employed thereon by him, who way in the opinion of the owner be unsuitable or in competent or who may misconduct himself. Such discharges shall not be the basis of any claim for compensation of damages against the owner or any of their officers or employee.

15 COMMENCEMENT:

The Contractor shall commence the work on site within 6 days from the date of receipt of work order/Letter of Intent or as directed.

16 INCOME TAX AND OTHER TAXES

Statutory deduction of Income tax and other taxes as per Govt. rules & J.H.R. welfare fund 0.25% shall be deducted from the bills and labour CESS shall be deposited by the contractor and produce the receipt before running & final payment of work done.

17 DEFECTS LIABILITY PERIOD SIX MONTHS

Any defects developed within 'Defect Liability period' of 6 months from the date of completion will have to be rectified by the contractor. In case of failure to do so the Dean, HIMSR/ Director General HIMSR & HAHC Hospital shall get the rectification work done by any other agency at the risk and cost of the contractor. The rectification of such defects shall be taken immediately on receipt of written notice from the Dean, HIMSR/ Director General HIMSR & HAHC Hospital and such defects may extend 'liability period. Water proofing work shall be guaranteed minimum for 05 years.

18 PART OCCUPATION

If Dean, HIMSR/ Director General HIMSR & HAHC Hospital want to occupy areas in part, the contractor shall have to complete the work of the areas in conjunction with the Dean, HIMSR/ Director General HIMSR & HAHC Hospital and hand over the same to the Dean, HIMSR/ Director General HIMSR & HAHC Hospital without affecting any of the Clauses of the contract agreement.

19 CONTRACT SIGNING

After acceptance of the tender, the tenderer shall sign the necessary contract papers within 15 days of the intimation. Expenses for the agreement including cost of stamp papers etc. shall be borne by the contractor. In case of delay the 'Earnest Money' may be forfeited and the tender cancelled or the contract enforced as per terms of the tender and the tenderer shall thus be bound even though the formal agreement has not been executed and signed by the tenderer.

20 E.M.D./RETENTION MONEY

(a) E. M. D of Rs. _____ in the from of bank draft Drawn on any scheduled bank or foreign bank approved by the Reserve Bank of India in favour of _____ shall be submitted along with the tender. The tender received without E M D or in any other form than as stated above may be rejected.

(b) Retention money @ 10% of each running bill value shall be deducted from each running Bills. Account payment up to a maximum of Rs. _____ only.

(c) The retention money amount shall not bear any interest.

21 REFUND OF DEPOSIT

- (a) The E.M.D. will be adjusted in the retention money.
- (b) 5% of the retention money shall be retained from the final bill which will be returned after the virtual completion of the defects liability period (i.e 01 year).

22 SUPPLY OF MATERIALS

The contractor shall arrange all the material required for the work at his own cost and Dean, HIMSR/ Director General HIMSR & HAHC Hospital may ask to deposit the all or specific required material with the site incharge before start of work. The 75% secured advance may be released against the material supplied at site and produce the material receipts/ voucher etc. after proper check by the incharge of work.

23 INSURANCE

The successful contractor shall take out Contractors All Risk (CAR) insurance policy in the names of the contractor, and the original policy shall be deposited with the Jamia Hamdard. The policy shall cover clauses as under.

- (i) The contractor shall at all times indemnify and keep indemnified the Jamia Hamdard and its officers and any other guest or person moving in the premises from and against all third party claims whatsoever (including but not limited to property loss and damage, personal accident, injury or death of to property or person of any subcontractor and/or the servants or agents or the contractor, any subcontractor (s) and/or the Jamia Hamdard) and the contractor shall at his own cost and initiative at all times up to the successful conclusion of the defect liability period and maintain all insurance liabilities including but not limited to third party insurance and liabilities under the Motor Vehicles Act. Workmen Compensation Act, Fatal Accidents Act, personal Injuries Insurance Act. Emergency Risk Insurance Act, and/or other industrial legislation from time to time in force in India with insurance company (ies) approved by the Jamia Hamdard, and such policy (ies) shall be of not lesser limit than the limits hereunder specified with reference to the matters hereunder specified namely.
 - (a) Workmen compensation Insurance to the limit to which compensation may be payable under the laws of India.
 - (b) Third Party Insurance body injury and property damage to the limit of not less than Rs. 2,00,000/- (Rupees Two Lakh only) in each accident at each job site and to a limit of not less than Rs. 5,00,000/- (Rupees Five Lakh only) for all accidents at all job sites, provided that the limits specified above shall operate only as a specification of minimum limits for insurance purposes, but shall not in any way limit the contractor's liability in terms of this clause to the limit (s) specified.
- (ii) If the Contract fail to take out and/or keep a foot insurance as provided for in the foregoing sub-clause, the owner shall be entitled (but without obligation to do so to take out and/or keep a foot such insurance at the cost and expense of the contractor, and without prejudice to any other rights or remedies of the Owner in this behalf, to deduct the sum(s) incurred thereof from the dues of the contractor.
- (iii) Period of policies: All insurance covers mentioned above shall be kept alive during the completion period of contract and defects liability period.

24 PAYMENTS

Bill shall be prepared based upon the joint measurement by the contractor and In-charge of works. Contractor shall submit 3 copies of the bill and 3 copies of the measurement sheets. Payment will be released within 15 days after submitting the bill.

25 LIQUIDATED DAMAGES

Entire work will be completed and handed over within 25 days from the date of issue of work order/letter of intent. Director General HIMSR & HAHC Hospital shall levy liquidated damages at the rate of 1% of the total contract value per day of delay, up to a maximum of 10 % of the total value of the work.

26 EXTRA ITEMS

- (a) The rates of all authorized extra items or additional, altered or substituted work shall be worked out as follows:
 - (i) The rates shall be based on or derived from the existing rates in the contract as far as and to the maximum extent possible from the same class & nature of work.
 - (ii) Where the rates cannot be derived in the manner of (i) above, the same shall be worked out on the basis of Market Rates or actual expenditure incurred in the execution of the items inclusive of taxes. Octroi etc. plus 15% for contractor's profit and overheads and supervision charges etc.
- (b) The contractor shall, within 10 days of the date of receipt of an order to carry out the above work or within 10 days after having carried out the above work submits the rates which he proposes to claim for such items of work, supported by rate analysis and vouchers. The project engineer shall with due analysis and justification communicate to the contractor the rates admissible for these items, within a period of one month.
- (c) The rates of extra item as decided by the Engineer In-charge shall be binding to both the parties and shall not be subject to Arbitration.

27 Water and Electricity

- (a) **Electricity:** Temporary electric connections if required will be supplied by the Jamia Hamdard. The necessary cabling and install of meter etc. will be done by the contractor at his own cost. He shall pay for the consumption at the prevailing rates of charges as per bills raised by the Jamia Hamdard.
- (b) **Water:** The Contractors to make their own arrangement of potable water for execution of work and arrange from outside at their own cost for the Exterior Works.

28 APPLICABLE LAW

This contract shall become effective according to and in all respect be governed by and construed in accordance with the law.

29 SERVICE OF NOTICE

All notices of written order given by the Employer to the contractor, or by the contractor to the Employers shall be served by Registered Post to each one's address.

30 RECEIPT OF TENDER

Tender shall be addressed to The Dean, HIMSR, Jamia Hamdard, Hamdard Nagar New Delhi 110062.

31 MATERIALS, TOOLS AND PLANT

The Contractor shall supply all materials required for the execution of the works other than those mentioned in the Notice Inviting Tender. Materials so applied shall have the approval of the Engineer In charge before using on the works. All the rejected materials shall be removed at once from the site of work at Contractor's own cost. The contractor shall supply all tools, tackles, and equipment required for the execution of the works.

32 SITE ORDER BOOK

The contractor will maintain registers at site in which all instructions given by the authorized representatives of Jamia Hamdard will be entered and signed by them. In case, the contractors carry out any work, which is not as per the drawings or as per instructions entered in the Registers, Engineer reserves the right either not to pay for the same or ask for its demolition.

33 SAFE STORAGE OR MATERIALS

The contractor shall be responsible for the safe storage of material supplied by the employer for execution of the works. Surplus materials or materials lost or damaged or unaccounted for or made unserviceable by the contractor shall be charged at the prevailing market price.

34 TRANSPORT OF MATERIALS

Unless otherwise specified, all the materials supplied by the employer shall be transported by the contractor from the Employers' store/yard, to the site of work at no extra cost.

35 SITE TO BE KEPT CLEAR

The surplus soil and dismantled debris shall be removed to a place as directed by the Engineer In -charge and stacked, leveled and dressed as directed.

36 AGE LIMIT OF LABOUR

The age limit for employment of labour shall be in strict accordance with the existing labour Legislations.

37 QUALITY OF MATERIALS, WORKMANSHIP AND TESTS

All materials and workmanship shall be of the respective kinds described in the contract and in accordance with Engineer or his representative may direct at the place of manufacture of fabrication or on the site or at all or any of such places. The contractor shall provide such assistance instruments, machines, labour and materials, as are normally required for examining, measuring, and testing any work and the quality, weight or quantity of any material used and shall supply samples of materials be-fore in corporation in the works for approval as maybe required by the Architect or his Representatives.

38 COST OF SAMPLES

The Contractor at his own cost shall supply all samples.

39 COST OF TESTS

The cost of making any test except in respect of the materials supplied by the Employer shall be borne by the Contractor, if such test is intended by or provided for in the contract.

GENERAL SPECIFICATION OF WORK

All work shall be executed strictly in accordance with the specifications given in schedule of quantities and/or with the following specifications. For such items, which are not covered or clarified by these specifications, latest edition of C.P.W.D. specification shall apply. The work shall be carried out as per specification and instruction of Engineer In charge.

1. The work shall be related to site that the contractor is presumed to have seen. Nothing extra will be paid for any item on account or its shape, size, location or other difficult circumstances even if the schedule makes no distinction, as long as the item is required at site.
2. All concrete work plain or reinforced shall be inclusive of centering and shuttering and curing unless specified otherwise
3. Mechanical mixture shall be *used* for mixing all concrete work.
4. The hard blue grukul stone ballast shall be used in all R.C.C. and concrete work.
5. Washed coarse sand or golden coarse sand/stone dust shall be use in work.
6. All sizes mentioned are exclusive of plaster and finishing.
7. All materials and workmanship shall be of the respective kinds described in the contract and in accordance with Engineer on his make of fabrication or on the site or at all or any of such places. The Contractor shall provide such assistance as instruments, machines, labour and materials, as are normally required for examining, measuring, and testing any work and the quality weight or quantity of any material used and shall supply samples of materials before in corporation in the works for approval as may be required by the Architect or his Representatives.
8. The rate applies to all R.C.C. works irrespective of its shapes size, quantity and position whether monolithic or cast in situation. (No Extra payment shall be paid separately on any account)
9. The rates shall be included for all heights, lift, lead, and other wastages etc.
10. The contractor is advised to inspect the site before quoting the rates in Tender.
11. The in charge of work or authorized person deputed by the competent authority may approve any brand or make of material for the work other then that specified in the tender, and contractor shall be bound to use the approved brand of material without any extra cost.
12. The work shall be related to the site condition for that the contractor is presumed to have studied. Nothing extra will be paid for any item on account or its shape, size, location or other difficult circumstances.
13. All materials and workmanship shall be of the respective kinds described in the contract and in accordance with Engineer in-charge on his manufacture or on the site or at all or any of such places. The contractor shall provide such assistance as instruments, machines, labour and materials, as are normally required for examining, measuring, and testing any work and the quality weight or quantity of any material used and shall supply samples of materials before in corporation in the works for approval as maybe required by the engineer in charge or Representatives of the Jamia Hamdard.
14. The material shall be approved by the In-charge of work and manufacture (ISI) marks.
15. The in charge of work or authorized person of the Jamia Hamdard may approve any brand or make of material for the work other then that specified in the tender, and contractor shall be bound to use the approved brand of material without any extra cost.

CONTRACTORS SIGN & SEAL

LIST OF APPROVED MATERIAL

1	Wood	First class Seasoned Mirandy wood with properly anti termite treated.
2	Commercial Block Board (19 mm to 25 mm, 6mm to 12mm)	National, Duro, Century or ISI Mark or approved brand, approved by engineer in-charge.
3	False Ceiling Tiles	600x600 & 16mm thick mineral fiber, heavy duty Epoxy powder coated hot dipped galvanized steel grid
4	Vinyl Flooring	L.G. floor, Royal House
5	Painting on the walls & doors	I.C.I, Burger, Nerolac, Asian Paint, Shalimar.
6	Vertical blinds	Neha, Vista or equivalent make as approved by engineer-in-charge.
7.	Furniture Locks	Godrej, Link, Harrison Lock or equivalent as approved by engineer-in-charge.
8.	White ceramic tiles	Kajaria, Somany, Orient, Nitco.
9.	Laminates/Mica	Century plywood, Greenlame, Merino, Soft touch Formica
10.	Course sand, fine sand, aggregate	As per IS 383 (Latest edition) from approved quality (Jhajhar sand/ghaghar sand) as per sample approved by engineer in-charge.
11.	Bricks	Best quality available confirming to class designation 75.
12.	Ordinary Portland cement	J.K., Birla, Ambuja, A.C.C., Vikram (OPC 43 grade only).
13.	White Cement	J.K. and Birla
14.	Steel bars	Rathi, Rana, Burnala
15.	Steel doors & window section, angles for door frame.	Capital, Nav, Rana, Burnala or equivalent as approved by Engineer in-Charge.
16.	Door closer	Everite, Hardvin, Parbhat
17.	Aluminum door fittings	Duke, Classic, Everit or equivalent as per sample approved by engineer-in-charge.
18.	C.P. fittings	Bath, BRT, Hindustan, Hansa, or as per sample approved by engineer-in-charge.
19	G.I. pipes	Jindal Hissar, Tata, Prakash or ISI Mark. as per sample approved by engineer-in-charge.
20.	G.I. fittings	Unike or ISI Mark or as per sample approved by engineer-in-charge.
21.	C.I. Pipe	Neco, Hepco or ISI Mark or as per sample approved by engineer-in-charge.
22.	PVC pipe & fittings	Prakash, Prince
23.	Glass pans	Modi float, Saint gobain or as approved by engineer-in-charge.
24.	Wash basin & W.C.	Hindware, Cera or equivalent and approved by engineer-in –charge.
25.	Tar Felts	Shall comply with IS: 1322 – 1970 of Hessian base type- 3, Grade – I, or type – 3 grade – II of approved well known make, unless otherwise specified

26.	Marble stone slabs	Shall be of the kind specified in the schedule of quantities conforming to samples approved by the Engineer-in-Charge. The marble slabs shall be machine cut to required dimensions. The marble slabs shall be of selected quality, hard, sound, dense and homogeneous in texture, from cracks, decay, weathering and flaws.
27	CPVC Pipe & fittings	Astral, Prince

CONTRACTORS SIGN & SEAL

				SCHEDULE--A	
Schedule of Quantities for Renovation of Washrooms in HIMSR Building					
S.No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
Anatomy & physiology Male toilet (At Right side back block for renovation work)					
1/15.51	Dismantling of road gully chamber / Naini trap and P or S traps of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	10.00		
2/18.76.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	each	8.00		
3/15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	107.06		
4/15.52	Dismantling of flushing cistern of all types (C.I./PVC/ Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	26.00		
5/17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	each	8.00		
6/17.60.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	4.00		
7/15.45.1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre .	mtr	10.00		
8/15.2.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	2.90		
9/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	2.90		
10/22.5	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	46.46		
11/11.26.1	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	28.98		
12/11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	92.00		

13/8.2.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and pre polished, machine cut for kitchen platforms, vanity counters, window sills , facia and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab upto 0.50	Sqm	2.96		
13/17.1.1	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	4.00		
14/17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
15/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	17.00		
b	20 mm nominal outer dia Pipes	metre	10.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
16/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		
17/5.22.1	Steel reinforcement for R.C.C. work i/c straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	48.00		
18/17.6.1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	4.00		
19/18.56.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	6.00		
20/18.54.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	6.00		
21/18.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	16.00		
22/17.32.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450	sqm	3.70		
23/18.21.2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
24/13.8	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	56.00		

25/13.43	Applying one coat of water thin able cement primer of approved brand and manufacture on wall surface :Water thin able cement primer	sqm	56.00		
26/13.41	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin able priming coat with cement primer	Sqm	56.00		
27/14.54 .1	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	12.00		
28	Removing khangar in sunken portion	Cft	468.00		
29	Refilling khangar in sunken portion Available	Cft	468.00		
30	Providing and laying khangar	Cft	40.00		
31	Re-fixing of available urinal	each	4.00		
32	Providing and fixing Exhaust fan with louvers .Size of 18" (AS per electrical approved rate)	each	6.00		
33	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqm, pvc insulated copper conductor cable in surface /recessed pvc conductor /casing & capping as required along with 5 amp switch on board complete in all respect.	each	6.00		
34	Removing and re-fixing of available wash basin fixing on ms angle and RCC counters.	job	6.00		
	Anatomy & Physiology Female Toilet (At Right side back block for renovation work)				
35/15.51	Dismantling of road gully chamber / Naini trape and P or S trape of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	10.00		
36/18.76 .1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	8.00		
37/15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	107.06		
38/15.52	Dismantling of flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	20.00		
39/17.18 .1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	8.00		
40/17.60 .1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	4.00		
41/15.45 .1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre .	mtr	10.00		
42/15.2. 2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	2.90		
43/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth leve1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	2.90		
44/22.5	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	46.46		

45/11.26 .1	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	28.98		
46/11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	92.00		
47/8.2.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and pre-polished, machine cut for kitchen platforms, vanity counters, window sills, fascia and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble 8.2.1.1 Area of slab upto 0.50	Sqm	2.90		
48//17.1. 1	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	4.00		
49/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
50/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	17.00		
b	20 mm nominal outer dia Pipes	metre	10.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
51/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		
52/5.22. 1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	48.00		
53/17.6. 1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	4.00		
54/18.56 .2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	6.00		

55/18.54 .1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	6.00		
56/18.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	16.00		
57/17.32 .4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	3.70		
58/18.21 .2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
59/13.8	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	56.00		
60/13.43	Applying one coat of water thin able cement primer of approved brand and manufacture on wall surface :Water thin able cement primer	sqm	56.00		
61/13.41	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin able priming coat with cement primer	Sqm	56.00		
62/14.54 .1	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	12.00		
63	Removing khangar in sunken portion	Cft	468.00		
64	Refilling khangar in sunken portion Available	Cft	468.00		
65	Providing and laying khangar	Cft	40.00		
66	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	6.00		
67	Providing and fixing Exhaust fan with louvers .Size of 18" of approved Crompton make	Each	6.00		
68	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	Each	6.00		
Toilet block Ground floor staff Male toilet near lift for renovation work (Right side front block)					
69/15.51	Dismantling of road gully chamber / Naini traps and P or S traps of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	8.00		
70/18.76 .1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	each	4.00		
71/15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	71.02		
72/15.52	Dismantling of flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	16.00		
73/17.18 .1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	each	12.00		
74/17.60 .1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	4.00		
75/15.45 .1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre.	mtr	12.00		
76/15.2. 2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	3.72		
77/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		

78/22.5	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	20.00		
79/11.26 .1	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	20.00		
80/11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	52.04		
81/17.1. 1	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	2.00		
82/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	0.00		
83/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	8.00		
b	20 mm nominal outer dia Pipes	metre	4.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
84/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		
85/5.22. 1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	30.00		
86/17.6. 1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	2.00		

87/18.56 .2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	4.00		
88/18.54 .1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	2.00		
89/18.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	10.00		
90/17.32 .4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape	sqm	2.32		
91/18.21	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	10.00		
92/13.8	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	40.00		
93/13.43	Applying one coat of water thin able cement primer of approved brand and manufacture on wall surface :Water thin able cement primer	sqm	40.00		
94/13.41	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin able priming coat with cement primer	Sqm	40.00		
95/14.54 .1	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	8.00		
96	Removing khangar in sunken portion	Cft	300.00		
97	Refilling khangar in sunken portion Available	Cft	300.00		
98	Providing and laying khangar	Cft	10.00		
99	Refixing of available urinal	each	4.00		
100	Providing and fixing Exhaust fan with louvers .Size of 18" (AS per electrical approved rate)	each	4.00		
101	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
102	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
	G. floor Female toilet near lift (Right side front block)				
103/15.5 1	Dismantling of road gully chamber / Naini trape and P or S trape of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	8.00		
104/18.7 6.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	4.00		
105/15.2 5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	70.62		
106/15.5 2	Dismantling of flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	16.00		
107/17.1 8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	6.00		
108/17.6 0.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	2.00		
109/15.4 5.1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre .	mtr	6.00		
110/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.86		

111/4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
112/22.5	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	20.00		
113/11.2 6.1	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	20.00		
114/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	52.04		
115/17.1 .1	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	2.00		
116/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	0.00		
117/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	8.00		
b	20 mm nominal outer dia Pipes	metre	4.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
118/4.1. 3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		
119/5.22 .1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	30.00		

120/17.6 .1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	2.00		
121/18.5 6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	4.00		
122/18.5 4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	2.00		
123/18.6 3	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	10.00		
124/17.3 2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	2.32		
125/18.2 1.2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	10.00		
126/13.8	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	40.00		
127/13.4 3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	40.00		
128/13.4 1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	40.00		
129/14.5 4.1	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	8.00		
130	Removing khangar in sunken portion	Cft	300.00		
131	Refilling khangar in sunken portion Available	Cft	300.00		
132	Providing and laying khangar	Cft	10.00		
133	Providing and fixing Exhaust fan with louvers .Size of 18" (AS per electrical approved rate)	each	4.00		
134	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
135	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
Toilet block Ground floor male toilet for Renovation Near dean office staff toilet (left side front block)					
136/15.5 1	Dismantling of road gully chamber / Naini trape and P or S trape of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	8.00		
137/18.7 6.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	each	4.00		
138/15.2 5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	71.02		
139/15.5 2	Dismantling of flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	16.00		
140/17.1 8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	each	4.00		
141/17.6 0.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	2.00		

142/15.4 5.1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre .	mtr	6.00		
143/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.86		
144/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
145/22.5	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	20.00		
146/11.2 6.1	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	20.00		
147/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	52.04		
148/17.1 .1	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	0.00		
149/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
150/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	8.00		
b	20 mm nominal outer dia Pipes	metre	4.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
151/4.1. 3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		

152/5.22 .1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	30.00		
153/17.6 .1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	2.00		
154/18.5 6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	4.00		
155/18.5 4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	2.00		
15621/1 8.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	10.00		
157/17.3 2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing Rectangular shape 1500x450 mm	sqm	2.32		
158/18.2 1.2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	10.00		
159/13.8	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	40.00		
160/13.4 3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	40.00		
161/13.4 1	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	40.00		
162/14.5 4.1	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	8.00		
163	Removing khangar in sunken portion	Cft	300.00		
164	Refilling khangar in sunken portion Available	Cft	300.00		
165	Providing and laying khangar	Cft	10.00		
166	Refixing of available urinal	each	4.00		
167	Providing and fixing Exhaust fan with louvers .Size of 18" (AS per electrical approved rate)	each	4.00		
168	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
169	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
Ground floor Female toilet for renovation Near dean office staff toilet (Left side front block)					
170/15.5 1	Dismantling of road gully chamber / Naini trape and P or S trape of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	8.00		
171/18.7 6.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	4.00		
172/15.2 5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	70.62		
173/15.5 2	Dismantling of flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	12.00		
174/17.1 8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	2.00		
175/17.6 0.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	2.00		

176/15.4 5.1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre .	mtr	6.00		
177/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.86		
178/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
179/22.5	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	20.00		
180/11.2 6.1	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	20.00		
181/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	52.04		
182/17.1 .1	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	2.00		
183/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
184/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	8.00		
b	20 mm nominal outer dia Pipes	metre	2.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
185/4.1. 3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		

186/5.22 .1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	30.00		
187/17.6 .1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	4.00		
188/18.5 6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	4.00		
189/18.5 4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	2.00		
190/18.6 3	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	8.00		
191/17.3 2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	2.32		
192/18.2 1.2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	8.00		
193/13.8	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	40.00		
194/13.4 3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	40.00		
195/13.4 1	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	40.00		
196/14.5 4.1	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	8.00		
197	Removing khangar in sunken portion	Cft	300.00		
198	Refilling khangar in sunken portion Available	Cft	300.00		
199	Providing and laying khangar	Cft	10.00		
200	Providing and fixing Exhaust fan with louvers .Size of 18" (AS per electrical approved rate)	each	4.00		
201	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
202	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
Toilet block for Renovation Ground floor Medicine Deptt. male toilet (Left side Back block)					
203/15.5 1	Dismantling of road gully chamber / Naini traps and P or S traps of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	10.00		
204/18.7 6.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	each	8.00		
205/15.2 5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	107.06		
206/15.5 2	Dismantling of flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	26.00		
207/17.1 8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	each	8.00		
208/17.6 0.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	4.00		

209/15.4 5.1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre .	mtr	10.00		
210/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	2.90		
211/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	2.90		
212/22.5	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	46.46		
213/11.2 6.1	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	28.98		
214/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make ,in all colours, shades except burgundy, bottle green, 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	92.00		
215/8.2. 1	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre moulded and pre polished, machine cut for kitchen platforms, vanity counters, window sills , facia and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab up to 0.50	Sqm	2.96		
216/17.1 .1	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	4.00		
217/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I .brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
218/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	17.00		
b	20 mm nominal outer dia Pipes	metre	10.00		

c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
219/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		
220/5.22.1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level .Mild steel and Medium Tensile steel bars	Kg	48.00		
221/17.6.1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	4.00		
222/18.5.6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	6.00		
223/18.5.4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	6.00		
224/18.6.3	Providing and fixing PTMT angle stop cock 15mm nominal bore ,weighing not less than 85gms	each	16.00		
225/17.3.2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	3.70		
226/18.2.1.2.1	Providing and fixing plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
227/1.8	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	56.00		
228/13.4.3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	56.00		
229/13.4.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	56.00		
230/14.5.4.1	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	12.00		
231	Removing khangar in sunken portion	Cft	468.00		
232	Refilling khangar in sunken portion available	Cft	468.00		
233	Providing and laying khangar	Cft	40.00		
234	Refixing of available urinal	each	4.00		
235	Providing and fixing Exhaust fan with louvers .Size of 18"	each	6.00		
236	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	6.00		
237	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	6.00		
Ground floor Medicine Deptt. Female toilet for Renovation (Left side Back block)					
238/15.5.1	Dismantling of road gully chamber / Naini traps and P or S traps of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	10.00		
239/18.7.6.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	10.00		
240/15.2.5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	107.07		

241/15.5 2	Dismantling of flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	20.00		
242/17.1 8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	8.00		
243/17.6 0.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet	each	4.00		
244/15.4 5.1	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 & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter metre.	mtr	10.00		
245/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	2.90		
246/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	2.90		
247/22.5	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	46.46		
248/11.2 6.1	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	28.98		
249/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	92.00		
250/8.2. 1	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre moulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , fascias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab up to 0.50	Sqm	2.96		
251/17.1 .1	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	4.00		
252/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		

253/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	17.00		
b	20 mm nominal outer dia Pipes	metre	10.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	8.00		
254/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		
255/5.22.1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	48.00		
256/17.6.1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern	each	4.00		
257/18.5.6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	6.00		
258/18.5.4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	6.00		
259/18.6.3	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	16.00		
260/17.3.2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	3.70		
261/21.2.1	Providing and fixing un plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
262/13.8	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	56.00		
263/13.4.3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	56.00		
264/13.4.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	56.00		
265/14.5.4.1	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	12.00		
266	Removing khangar in sunken portion.	Cft	468.00		
267	Refilling khangar in sunken portion Available	Cft	468.00		
268	Providing and laying khangar	Cft	40.00		
269	Providing and fixing Exhaust fan	each	6.00		
270	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	6.00		
	Total				

SCHEDULE--B

Schedule of Quantities for Repair of Washrooms at HIMSR Building

2nd or 3rd floor Pharmacology Deptt .& Forensic Medicine staff Male toilet block for repair works only (Right side front block)					
S.No.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
1/15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead. each	each	16.00		
2/17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	8.00		
3/15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	10.00		
4/15.2.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.00		
5/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
6/22.5	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	4.00		
7/11.26.1	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	4.00		
8/11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	10.00		
9/17.1.1	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	2.00		
10/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	0.00		
11/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				

a	15 mm nominal outer dia Pipes	metre	2.00		
b	20 mm nominal outer dia Pipes	metre	4.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	16.00		
12/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.22		
13/5.22.1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	60.00		
14/18.56.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	8.00		
15/18.54.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	4.00		
16/18.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	8.00		
17/17.32.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	8.00		
18/18.21.2.1	Providing and fixing un plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	10.00		
19/13.8	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	80.00		
20/13.43	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	80.00		
21/13.41	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	80.00		
22/14.54.1	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	16.00		
23	Refixing of available urinal	each	2.00		
24	Providing and fixing Exhaust fan with louvers .Size of 18"	each	4.00		
25	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
26	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
2nd or 3rd floor Pharmacology deptt .& Forensic Medicine Female toilet (right side front block)					
27/15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	10.00		
28/17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	10.00		
29/15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	10.00		
30/15.2.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.00		
31/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		

32/22.5	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	4.00		
33/11.26 .1	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	4.00		
34/11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	10.00		
35/17.1. 1	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	2.00		
36/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
37/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	2.00		
b	20 mm nominal outer dia Pipes	metre	4.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	16.00		
38/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm size)	cum	0.22		
9/5.22.1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	60.00		
40/18.56 .2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	8.00		
41/18.54 .1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	4.00		
42/18.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	8.00		
43/17.32 .4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	6.00		

44/18.21 .2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	10.00		
45/13.8	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	80.00		
46/13.43	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	80.00		
47/13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	80.00		
48/14.54 .1	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	16.00		
49	Providing and fixing Exhaust fan with louvers .Size of 18"	each	4.00		
50	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
51	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
	2nd & 3rd floor Pharmacology Deptt .& E-Resource center library Male toilet block (Right side back block for repair works)				
52/15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	20.00		
53/17.18 .1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	10.00		
54/15.2. 2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	2.00		
55/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	2.00		
56/22.5	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	4.00		
57/11.26 .1	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	4.00		
58/11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make,in all colours, shades except burgundy, bottle green, 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	10.00		
59/17.1. 1	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	6.00		

60/17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
61/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	2.00		
b	20 mm nominal outer dia Pipes	metre	2.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	20.00		
62/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	2.00		
63/5.22.1	Steel reinforcement for R.C.C. work i/c straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	100.00		
64/18.56.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	12.00		
65/18.54.1	Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	12.00		
66/18.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	16.00		
67/17.32.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	7.40		
68/18.21.2.1	Providing and fixing un plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
69/13.8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and make, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	100.00		
70/13.43	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	100.00		
71/13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	100.00		
72/14.54.1	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	24.00		
73	Refixing of available urinal	each	4.00		
2nd & 3rd floor Pharmacology Deptt. & forensic Medicine Female toilet (Right side back block)					
74/15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	16.00		
75/17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	16.00		

76/22.5	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	4.00		
77/11.26 .1	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	8.00		
78/11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	8.00		
79/17.1. 1	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	2.00		
80/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	4.00		
81/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	2.00		
b	20 mm nominal outer dia Pipes	metre	0.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	20.00		
82/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm size)	cum	1.00		
83/5.22. 1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	100.0 0		
84/18.56 .2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	12.00		
85/18.54 .1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	12.00		
86/18.63	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	8.00		
87/17.32 .4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	8.00		

88/18.21 .2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
89/13.8	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	100.0 0		
90/13.43	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	100.0 0		
91/13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin able priming coat with cement primer	Sqm	100.0 0		
92/14.54 .1	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	24.00		
93	Providing and fixing Exhaust fan with louvers .Size of 18"	each	4.00		
94	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
95	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
2nd or 3rd floor Male staff toilet block for repair at Pathology &forensic Medicine (Left side front block)					
96/15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead. each	each	10.00		
97/17.18 .1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.10 litre capacity - White	Each	8.00		
98/15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	20.00		
99/15.51	Dismantling of road gully chamber / Naini traps and P or S traps of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	Each	8.00		
100/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.00		
101/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
102/22.5	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	10.00		
103/11.2 6.1	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	6.00		
104/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	8.00		

105/17.1 .1	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	0.00		
106/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	4.00		
107/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	2.00		
b	20 mm nominal outer dia Pipes	metre	4.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	12.00		
108/4.1. 3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm size)	cum	0.22		
109/5.22 .1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	60.00		
110/18.5 6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	4.00		
111/18.5 4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	4.00		
112/18.6 3	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	8.00		
113/17.3 2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	2.32		
114/18.2 1.2.1	Providing and fixing un plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	4.00		
115/13.8	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	80.00		
116/13.4 3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	80.00		
117/13.4 1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	80.00		
118/14.5 4.1	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	16.00		
119	Refixing of available urinal	each	4.00		
120	Providing and fixing Exhaust fan with louvers .Size of 18"	each	4.00		
121	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
122	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		

2nd or 3rd floor Female staff toilet block at Pathology & forensic Medicine (Left side front block)					
123/15.5 2	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	4.00		
124/17.1 8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	4.00		
125/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.00		
126/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
127/22.5	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	4.00		
128/11.2 6.1	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	6.00		
129/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	12.00		
130/17.1 .1	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	2.00		
131/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each			
132/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	2.00		
b	20 mm nominal outer dia Pipes	metre	4.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	12.00		

133/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm size)	cum	0.22		
134/5.22.1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	30.00		
135/18.5.6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	4.00		
136/18.5.4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	2.00		
137/18.6.3	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	8.00		
138/17.3.2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	2.32		
139/18.2.1.2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	8.00		
140/13.8	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	80.00		
141/13.4.3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	80.00		
142/13.4.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	80.00		
143/14.5.4.1	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	16.00		
144	Providing and fixing Exhaust fan with louvers .Size of 18"	each	4.00		
145	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	4.00		
146	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	4.00		
2nd & 3rd floor male toilet block for Repair at Pathology & forensic medicine (Left side Back block)					
147/15.5.2	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead. each	each	16.00		
148/17.1.8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	10.00		
149/15.2.5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	10.00		
150/15.2.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.00		
151/4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
152/22.5	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	4.00		

153/11.2 6.1	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	4.00		
154/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	6.00		
155/17.1 .1	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	2.00		
156/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
157/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	2.00		
b	20 mm nominal outer dia Pipes	metre	2.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	16.00		
158/4.1. 3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm size)	cum	0.22		
159/5.22 .1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	100.0 0		
160/18.5 6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	6.00		
161/18.5 4.1	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	6.00		
162/18.6 3	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	16.00		
163/17.3 2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	8.00		
164/18.2 1.2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
165/13.8	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	100.0 0		
166/13.4 3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	100.0 0		
167/13.4 1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	100.0 0		

168/14.5 4.1	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	24.00		
169	Refixing of available urinal	each	4.00		
170	Providing and fixing Exhaust fan with louvers .Size of 18"	each	6.00		
171	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	6.00		
2nd & 3rd floor female toilet block for Repair at Pathology & forensic medicine (Left side Back block)					
172/15.5 2	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead. each	each	4.00		
173/17.1 8.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity - White	Each	8.00		
174/15.2 5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	10.00		
175/15.2 .2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1.00		
176/ 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.00		
177/22.5	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	4.00		
178/11.2 6.1	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	4.00		
179/11.3 6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, 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	6.00		
180/17.1 .1	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	2.00		
181/ 17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	0.00		

182/18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
a	15 mm nominal outer dia Pipes	metre	0.00		
b	20 mm nominal outer dia Pipes	metre	0.00		
c	25 mm nominal outer dia Pipes	metre	0.00		
d	32 mm nominal outer dia Pipes	metre	12.00		
183/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm size)	cum	0.22		
184/5.22.1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Mild steel and Medium Tensile steel bars	Kg	48.00		
185/18.5.6.2	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	4.00		
186/18.5.4.1	Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	4.00		
187/18.6.3	Providing and fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85gms	each	8.00		
188/17.3.2.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	sqm	8.00		
189/18.2.1.2.1	Providing and fixing un-plasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	Each	16.00		
190/13.8	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	100.00		
191/13.4.3	Applying one coat of water thin-able cement primer of approved brand and manufacture on wall surface :Water thin-able cement primer	sqm	100.00		
192/13.4.1	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :13.41.1 New work (two or more coats) over and including water thin-able priming coat with cement primer	Sqm	100.00		
193/14.5.4.1	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	24.00		
194	Providing and fixing Exhaust fan with louvers .of Size of 18" Crompton make	each	6.00		
195	Providing and fixing wiring for the light point /fan point, exhaust fan point with piano type 2x1.5 sqmm, pvc insulated copper conductor cable in surface /recessed pvc conduit /casing & capping as required along with 5 amp switch on board complete in all respect.	each	6.00		
196	Removing and refixing of available wash basin fixing on ms angle and RCC counters.	job	6.00		
	Total amount				