

JAMIA HAMDARD
HAMDARD NAGAR, NEW DELHI - 110062

TENDER DOCUMENT
FOR
Providing and laying chequered tiles and
other miscellaneous works at Pro.V.C.Lodge.

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

**Ref. No.
Dated: 06/7/18**

**LIMITED TENDER NOTICE
(ONLY FOR EMPANELLED CONTRACTORS OF JAMIA HAMDARD)**

The Sr. Consultant Jamia Hamdard, New Delhi invites sealed items rate Limited tender, from empanelled contractors/agencies of Jamia Hamdard. The tender document can be obtained from the Office of the A.E(C) from 06-07-18 to 12-07-18 up to 3.00 p.m after satisfying themselves eligible for the work as per tenders term & condition.

NAME OF WORK: **Providing and laying chequered tiles and other miscellaneous works at Pro.V.C.Lodge.**

ESTIMATED COST: **Rs. 3,35,985.00**

EARNEST MONEY: **Rs 6700.00**

TENDER COST (Non –refundable) **Rs 1000.00**

TIME PERIOD: **15 Days.**

(No soft copy submission)

The contractors may drop the tenders in the tender box placed in purchase section on or before 12-07-18 up to 3.00 p.m along with demand draft of earnest money in sealed envelope clearly specifying the name of work. The D.Ds shall be in favor of Jamia Hamdard payable at New Delhi. The tenders shall be opened on 12-07-18 at 3.30 p.m in presence of available interested parties. Jamia Hamdard reserves the right to reject any or all tenders or split the tenders without assigning any reason.

Registrar

Requirements to be fulfilled

- a) No subletting or subcontracting of the work will be permitted.
- b)
 - i) The Tenderer/Bidder will not withdraw his/their Tender after opening of bid and if done so; his/their EMD may be forfeited.
 - (ii) The Bidder has not been black listed by any of the Govt. Deptts./Govt. Institutions etc. during last three years.
 - (iii) There is no complaint against the Tenderer / Bidder such as 'delayed supply, non-supply/non-completion of work, non- submission of performance bank guarantee and refusal of supply etc. and for which 'no punishment of any type' has been given by any of the Govt. Deptts. / Govt. Institution etc.
 - (iv) Names of all companies/firms where the bidder is the promoter / director / partner and/or proprietor.

Name of companies / firms, where the bidder was/is operating their Bank Accounts.
Bank Account No. of the bidder's Company/Agency and names of authorized persons (with copy their identification), who were/are operating its Bank account .

The offer shall remain open for at least 90 days from the date of opening of Technical Bids. The Cost of tender (if down loaded from web site) and Earnest money shall be accepted only in the form of demand draft/Pay order drawn in favour of the Jamia Hamdard failing which the bid will summarily be rejected.

GENERAL TERMS AND CONDITIONS

Name of Work: - Providing and laying chequered tiles and other miscellaneous works at Pro.V.C.Lodge.

1. The work shall be carried out following standard and accepted norms of sound engineering practice.
2. The CPWD General Terms and conditions and CPWD specifications with latest amendments & CPWD Manual provisions shall be applicable in execution of the project and shall form part of the contract.
3. The cost of tender is Rs. 1000.00 (**Non-refundable**). The tender document can be purchased from the University office and the above mentioned cost of the tender document will have to be paid through a separate Demand-Draft drawn in favour of Jamia Hamdard payable at New Delhi along with Bid, failing which the bid will summarily be rejected.
4. Earnest Money Deposit (EMD) of Rs. 6700.00 (Rupee Six Thousand Seven Hundred Only) has to be enclosed along with the Bid. The EMD shall be only in the form of Demand Draft drawn in favour of Jamia Hamdard, payable at New Delhi, failing which the bid will summarily be rejected. No Cheque / Cash shall be accepted as EMD.
5. The rates shall be inclusive of duties and cartage etc. No escalation of taxes shall be payable by the **Jamia Hamdard**. during the contract period. The G.S.T will be paid extra as applicable.
6. The tenders shall attach copy of PAN Card.
7. Duly sealed tenders shall be dropped in the tender box placed at the Purchase Section of the Administration building.
8. The conditional bids shall not be considered under any circumstances and rejected without any notice or assigning any reasons therefore.
9. All bids once submitted shall be the property of Jamia Hamdard. and bidders will lay no claim whatsoever on the same.
10. Sr. Consultant Jamia Hamdard. reserves the right to reject any or all the tenders in full or

in part without assigning any reasons whatsoever, and the decision of the University in this regard will be binding on all the bidders. Tenderers not complying with any of the provisions stated in this tender document are liable to be rejected. Sr Consultant , Jamia Hamdard , reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender.

11.No T & P shall be supplied by the University.

12. Income tax shall be deducted from the contractor bill as per Govt. of India rules.

13. Jamia Hamdard welfare fund charges are leviable @0.25% of the amount of bill claimed.
14. (i) Security shall be deducted @ 5 % of value of work done and total amount of security shall be released after expiry of the defect liability period of SIX MONTH effective from date of completion.
15. Earnest money deposited by the successful tender shall be converted in to security deposit & is adjustable against the actual amount to be deducted under clause 14 above.
16. The time allowed for completion of work shall be **(15 days)** which shall be reckoned from 3 (Three) day from the date of work order.
17. Time allowed for the work shall be strictly followed otherwise the contractor shall be liable to pay compensation at the rate of **1.5%** of the tendered value of the work per week of delay on the part of the contractor. The decision of Engineer-in-charge about the delay shall be final and binding. However, for any reason beyond the control of the contractor the extension of time shall be granted upon application by the contractor in prescribed format. No claim for any compensation during the extended period shall be entertained and the University's decision in this regard shall be final.
18. No escalation in any form either of material or labour shall be payable by the University. The bidder shall also absorb any statutory escalation/increase of wages /material cost if any, anticipated during the contract tenure, including extended tenure.
19. All material brought at site shall be as per contract specification & schedule of quantities and shall be got entered in the site book and approved by Engineer-In-charge before being used.
20. Mandatory tests have to be carried out as asked for by the Sr. Consultant/Engineer-In-Charge.
Nothing extra shall be paid for such purpose.

21. In case the successful bidder resiles from the offer within one month of the work offer, the earnest money will be forfeited. Similarly if successful bidder fails to commence the work after issue of award letter, the amount of earnest money will also be forfeited.
22. Any violation of instruction/agreement or suppression of facts will attract cancellation of agreement without any reference or any notice period and in such case the amount of earnest money will be forfeited.
23. If agency at any time makes default during currency of work or does not execute any part of the work with due diligence or Commits default in complying with any of the terms and conditions of the contract and does not initiate any remedy for it or takes effective steps for its remedy or Fails to complete the work(s) or items of work within date of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in their behalf by the Engineer-in-Charge.

The Engineer- in-Charge without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to the Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.

24. Sr, Consultant, Jamia Hamdard reserves the right to terminate the contract without any reference or any notice period on account of poor workmanship, non-compliance of set norms/specifications for the works, delay in progress of work, violation of any contract provisions by the contractor, failure to start the work at Jamia Hamdard. within 10 days from date of issue of Letter of Intent (L.O.I). In such cases the contractor is liable to pay Liquidated Damages @ 5% of tendered value besides security deposit.
25. Decision of Sr. Consultant Jamia Hamdard in regard to interpretation of the terms and conditions and the Agreement shall be final and binding on the Agency.

26. The tenderer shall be solely responsible for any accident/medical/health related liability/compensation for the personnel deployed by it at Jamia Hamdard . The Jamia Hamdard shall have no liability in this regard.
27. The personnel provided by the agency will not claim to become the employees of Jamia Hamdard and there will be no Employee and Employer relationship between the personnel engaged by the Agency and Jamia Hamdard .
28. No tent or hut shall be allowed to be put up for workers to stay within the campus. The contractor is deemed to have inspected the site and thoroughly acquainted himself with the site conditions, availability of storage space for materials etc.
29. The tenderer should take extra precaution to ensure that there is absolutely no damage to the surrounding structure/existing system etc. If any damage made by agency, it will be got repaired/replaced/rectified by the agency itself at no extra cost.
30. The tenderer should make special note of the fact that the Renovation/remodelling/repair works are to be carried out in the existing functional building and the agency will adopt necessary barricading / covering of the area under execution with no / least disturbance to adjoining / surrounding areas of the building under use for teaching / research, etc. The tenderer shall depute their own security staff for watch and ward of their materials supplied/ installed at site till the final handing over of the complete work and temporary lockable shed/Almirah etc. shall be arranged by contractor at his own risk and cost. No accommodation/ staff/ lockable space will be provided by Jamia Hamdard under any circumstances.
31. It may here be noted, that the entire staff and labour of the Agency will follow all the security instructions issued by Jamia Hamdard from time to time and these instructions may include the provisions to make suitable barricades or temporary wall fence to ensure that the labour confines itself to the area of the work ONLY. Serious action will be taken in case any of the contractor's workmen are found to be tampering with the Laboratory equipment and property of the University. Suitable damages will be

recovered from the contractor's bills if anyone is found to do so. All decisions of the Engineer-in Charge in respect of the same will be final and binding on the contractor.

32. On completion of all work, Agency shall remove all surplus materials & leave the site in a broom clean condition, failing which the same shall be done at Agency's risk & cost.
33. The Agency shall ensure compliance of all statutory laws & bye laws of the central govt./ state govt./Municipal authorities related to the employment of their staff and all obligations under Minimum Wage Act, Workman Compensation Act, Provident Fund & Miscellaneous Provision Act, Bonus Act & Contract Labour Act 1970 etc. Jamia Hamdard will not be responsible for such purposes in anyway.
34. Any claim, dispute or difference arising out of or in connection with this agreement and which cannot be settled by mutual consultations, shall be referred to sole Arbitration or an Arbitrator to be appointed by the Sr. Consultant Jamia Hamdard . The award of the Arbitrator shall be final and binding between the parties as per the terms and conditions of the Agreement to be executed on award of contract. The Arbitrator proceeding shall be governed by the Arbitration and Conciliation Ordinance dated 26th March, 1996 and shall be conducted in Delhi. The agreement drawn shall be subjected to the jurisdiction of the courts at Delhi.
35. Shop Drawing:- (i) The shop drawing for all works as required by Engineer-in-charge shall be submitted in quadruplicate at no extra cost by the contractor and in the manner so required by them. The contractor shall proceed with the works only after approval by the Engineer-in-charge. Such drawings shall be coordinated with all disciplines if work

GENERAL CONDITIONS FOR SUBMISSION OF TENDER

1.0 Submission of Tender:

Tenders should be submitted in sealed envelopes. The tender duly filled in should be sent to above mentioned address either by post or hand delivered in the tender box kept in the Stores Branch, Jamia Hamdard . Jamia Hamdard will not be responsible for tenders lost in postal transit or otherwise.. It should not be handed over to any employee of the Jamia Hamdard . No tender shall be accepted later than the time schedule specified above. Tender once submitted will remain with the Jamia Hamdard and will not be returned to the bidder.

2.0 Price Bid :

In this bid the bidder is required to quote his items rates/prices for the “**Providing and laying chequered tiles and other miscellaneous works at Pro.V.C.Lodge.**

in the schedule of work attached. The scope of work & technical specifications are provided for your reference. The quoted prices shall be including all the taxes levied by statutory Govt. bodies. It is mandatory on bidder to quote all items rate as asked for in the **BOQ/ Schedule of work.** Failure to adhere to this condition may lead to rejection of tender. The bidders should quote unconditional rates, neatly written without any overwriting and duly signed & stamped in all pages. The bidder should clearly indicate price quoted for each item both in figures and in numbers.

3.0 Earnest Money :

An earnest money of Rs.6700.00 has to be enclosed along with the Bid. The EMD shall be only in the form of Bank Draft in favour of “ Jamia Hamdard ”, payable at New Delhi. No Cheques / Cash shall be accepted as EMD.

4.0 Validity of Tender:

Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of **90 days** from the date of opening of Technical Bid.

4.1 The tenders conditions shall be guided by CPWD guidelines

Declaration by the Tender

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them.

Encls:

1. DD/Pay Order No

2. Terms & conditions (**each page must be signed and stamped with the seal**)

3. Financial Bid.

(Signature of Tenderer with seal)

Name:

Address:

Date:

Phone No:

5.0 Information about the tenderer

A. In case of individual

- i. Name of Business; His age and father's name
- ii. Whether his business is registered
- iii. Date of commencement of business
- iv. Whether he pays Income Tax over Rs.10, 000/- per year.

B. In case of Partnership

- i. Name of Partners
- ii. Whether the partnership is registered
- iii. Date of establishment of firm
- iv. If each of the partners of the firm pay income tax over Rs.10, 000/- a year and if not which of them pays the same.
- v. Copies of partnership deed, if any.

C. In case of Company Limited by Shares or Company Limited by Guarantees.

- i. Amount of paid up capital
- ii. Name of Directors
- iii. Date of Registration of Company
- iv. Copies of the last two (2) years balance sheet of the Company.
- v. Certified copies of Memorandum and Articles of Association of Company.

SIGNATURE
OF TENDERER WITH SEAL DATE:

6.0 Exceptions and Deviations

NAME OF WORK :

NAME OF

TENDERER :

_____ AS
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pointed out in the Notice Inviting Tender, Tenderer may stipulate here exceptions and deviations to the tender conditions, if considered unavoidable.

Sl. No.	Page No. of Tender document	Cl. No. of Tender document	Subject Deviation
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IGNATURE OF

TENDERER DATE :

PLACE
:

SPECIAL CONDITIONS OF CONTRACT

1. OWNER :

The name and address of the Owner / Engineer-in-Charge responsible for the preparation of the Contract documents are as follows:-

OWNER:

JAMIA HAMDARD UNIVERSITY, NEW DELHI

2. SITE

2.1 The site is **Tenders for Providing and laying chequered tiles and other miscellaneous works at Pro.V.C.Lodge.**

2.2 CONTRACTOR TO SATISFY HIMSELF ABOUT SITE CONDITIONS

Before tendering, the Contractor shall visit and examine the site and satisfy himself as to the site conditions the correct dimensions of the work and facilities for obtaining the special articles called for in the contract documents and shall obtain generally his own information on all matters affecting the continuation and progress of the works. No extra charge made in consequence of any misunderstanding or incorrect information on any of these points or on the grounds of insufficient description will be allowed.

2.3 POSSESSION

The work covered by this contract shall be commenced within Six days after the receipt of Performance Bank Guarantee. The Contractor shall there upon commence the works and regularly and diligently proceed with the same and complete the same in stages on or before the contract date for completion.

SCOPE OF WORK

3.1 SCOPE

The general character and the scope of work is illustrated and defined by the Schedule of Quantities, drawings and Specifications herewith attached.

3.2 EXTENT

The Contractor shall carry out and complete the said work in every respect in accordance with the contract, and with the directions of and to the satisfaction of the Engineer-in-charge and Sr. Consultant , JAMIA HAMDARD .

4.0 CONTRACT DRAWINGS

Drawings forming part of the contract are listed under. Other drawings and details issued and shop drawings approved during the currency of the contract shall also form part of the contract. The Contractor shall keep at least one copy each of drawings, conditions of contract, specifications, instructions and schedule of quantities at the site of works available for reference by any authorized representative Sr. Consultant, **JAMIA HAMDARD /ARCHITECTS**, at all times during the progress of the works.

5.0 TYPE OF CONTRACT

The Contract shall be an item rate contract. The Contractor shall be paid at the contract rates, for the actual quantity of work carried out by him in accordance with the Contract documents as measured.

5.1 SCHEDULE OF QUANTITIES

The quantities given in the Schedule of Quantities are provisional and are meant to indicate the intent of the work and provide a uniform basis for tendering. The Contractor shall be paid for the actual quantity of work executed by him in accordance with Contract Documents at the contract rates.

6.0 WATER AND ELECTRICITY FOR CONSTRUCTION

Water for use at site of work shall be arranged by the contractor. The contractor shall make his own arrangement for any temporary service piping taps as required for his use on the works and shall remove the same on completion. Electricity required for the job shall be made available and shall be charged as per CPWD norms or the contractor may arrange for the same at their own cost. However, necessary piping, valve, wiring, cabling, lamps, switches & sockets, main switches, halogen/tube light fitting and tapping from existing line/connection including labour have to be arranged by the contractor at their own risk & cost.

7.0 PAYMENT OF CONTRACTORS BILL

Subject to the provisions of terms and conditions of the contract, Sr, Consultant, JAMIA HAMDARD, shall affect Contract payments against RA Bills shall be released to the contractor as below:

RA Bills: 75% of the recommended payments duly certified by the Engineer-in-Charge within fifteen (15) working days of the submission of the bill and balance within one month of submission of Final Bills.

Final Bill: Within one (1) months of submission of the Bill with the final completion certificate and as per the terms and conditions of the Contract.

Note: All Bills are required to be supported by Detailed Measurement Sheet and Analysis of Rates for Extra Items and its approval along with the Bill. The Bills shall be submitted in

specified format which should indicate quantities executed in all RA Bills and cumulative Quantities besides current bill quantities along with tendered quantity/unit/rates. There may occur deviations from the above noted schedule of payments in exigent circumstances.

8.0 MOBILIZATION ADVANCE (M.A.)

8.1 If specifically requested by the tenderer in the offer itself, a maximum of 10% (Ten percent) of contract value will be paid to Contractor as Mobilization Advance (MA).

8.2 All other terms of MA, rate interest chargeable, recovery of MA shall be as per CPWD/GCC

9.0 SCHEDULE OF RATES TO BE INCLUSIVE

Schedule of Rates shall be deemed to include and cover all costs, taxes, octroi, expenses and liabilities of every description and all risks of every kind (FOR Site) to be taken in executing, completing and handing over the work to the Owner by the contractor. The contractor shall be deemed to have known the nature, scope, magnitude and the extent of the works and materials required, through the contract documents may not fully and precisely furnish them. He shall make such provision in the Schedule of Rates as he may consider necessary to cover the cost of such item of work and materials as may be reasonable and necessary to complete the works. The opinion of the Architects as to the items of work which are necessary and reasonable for completion of work shall be final and binding on the contractor, although the same may not be shown on or described specifically in contract documents.

10.0 Generality of this present provision shall not be deemed to cut down or limited in any way because in certain cases it may and in other cases it may not be expressly stated that the Contractor shall do or perform a work or supply articles or perform services at his own cost or without additional payment or without extra charges or words to the same effect or that it may be stated or not stated that the same are included in and covered by the Schedule of Rates.

11.0 SCHEDULE OF RATE TO COVER CONSTRUCTIONAL PLANT, MATERIALS, LABOUR, ETC.

Without in any way limiting the provisions of the preceding sub-clause the schedule of Rates shall be deemed to include and cover the cost of all constructional plant, temporary works (except as provided for herein specifically) pumps, materials, labour, insurance, fuel, stores and appliances to be supplied by the contractor and all other matters in connection with each item in every respect maintained and as shown or described in the contract documents or as may be ordered in writing during the continuance of the contract.

12.0 SCHEDULE OF RATES TO COVER ROYALTIES, RENTS, PROVIDEND FUND, AND CLAIMS

The Schedule of Rates shall be deemed to include and cover the cost of all royalties and fees for all articles, processes, protected by letters, patent or otherwise incorporated in or used in connection with the works, also all royalties, rents and other payments in connection with obtaining materials of whatsoever kind for the works and shall include an indemnity to

SR. CONSULTANT , JAMIA HAMDARD which the contractor hereby give against all actions, proceedings, claims, damages, costs and expenses arising from the incorporation or the use on the works of any such articles, processes or materials. Octroi or other Municipal or local Board charge, if levied on materials, equipment or machineries to be brought to site and removed from site for use on work or after completion of the work, shall be borne by the contractor. The contractor should be registered for Provident Fund and would be required to make the deductions on the salaries paid to the workers and deposit the same to the concerned department.

13.0 SCHEDULE OF RATES TO COVER TAXES AND DUTIES

No exemption or reduction of customs duties, excise duties sales tax, VAT or any part duties, transport carriages, stamp duties or Central or State Government or other body including one company or dues, taxes or charges (from or of anybody including the company), whatsoever will be granted or obtained all of which expenses shall be deemed to be included in and cover by the Schedule of rates. The contractor shall also obtain and pay for all permits, or other privileges necessary to complete work. In case where SR. CONSULTANT, JAMIA HAMDARD wishes to avail Tax/Duty exemptions as applicable to the contractors shall comply with the instructions from SR. CONSULTANT , JAMIA HAMDARD .

14.0 SCHEDULE OF RATES TO COVER RISKS OF DELAY

The schedule or Rates shall be deemed to include and cover the risk of all possibilities of delay and interference with the contractor's conduct of the works which occur from any cause including orders of SR. CONSULTANT , JAMIA HAMDARD in the exercise of his powers and on account of extension of time granted due to various reasons and for all other possible or probable causes of delay.

15.0 SCHEDULE OF RATES CANNOT BE ALTERED

For work under unit rate basis, no alteration will be allowed in the schedule of rates by reason of works or any part of them being modified, altered, extended, diminished or omitted. The schedule of rates are fully inclusive rates which have been fixed by the Contractor and agreed to by SR. CONSULTANT , JAMIA HAMDARD and cannot be altered.

LIST OF APPROVED MAKES- CIVIL WORKS

1 Ordinary Portiant Cement	L&T ,Ultra Tech,ACC, or other brads approved by the Architect
2 Steel Reinforcement Bars	TISCO,SAIL RINL,Rathi udyog Ltd.
3 Structural Steel Sections	TISCO, SAIL RINL, Supreme...
4 Stone Aggregate (Blue/Black)	Sohna, Pali or other Approved
5 Water proof Shuttering	Century,Green,Duro/Haryana Plywood
6 Paints/O.B.D	ICI,Asian,Berger,Nerolac
7 Water proof Paint	Apex(Asian),Super Snowcem (kellick Nixon),
8 White Cement	Birla,JK Cement
9 Waterproofing	Structural Water proofing Co,Dr.Fixit,Overseas Water Proofing
10 Silicon Sealants	Dow Corning/GE
11 Glass and mirror	Saint Gobain/Guardian/Asahi
12 The Adhesives	Weber, Lafarge, Keisel, Balendura
13 Expansion joint covers	CS,Inpro
14 Glass	Saint Gobain, Guardian, Glaverbel,

B.O.Q

Providing and laying chequered tiles and other miscellaneous works at Pro V C Lodge.						
S.No	D.S.R. No	DESCRIPTION	Unit	Qty.	Rate	Amount
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
		All kinds of soil	Cum	26.00		
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	6.00		
3	4.1.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level				
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size	Cum	5.00		
	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size	Cum	1.50		
4	4.2.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
		1:1½:3 (1 cement:1½ coarse sand:3 graded stone aggregate 20 mm nominal size)	Cum	0.40		

5	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	1.05		
6	5.22.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level				
		Cold twisted bars	Kg	15.00		
7	6.1.2	Brick work with common burnt non modular bricks of class designation 7.5 in foundation and plinth in:				
		Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	4.00		
8	6.26	Brick work with common burnt clay machine moulded F.P.S. (non modular) bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).				
		From ground level upto plinth level	Cum	6.00		
9	7.23	Stone work (machine cut edges) for wall lining etc. (vener work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) :				
		30 mm thick	Sqm	10.00		

10	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
		Marble work	metre	25.00		
11	11.19.2	Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :				
		Medium shade pigment using 50% white cement, 50% ordinary cement	Sqm	62.00		
12	11.28.1	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1cement : 5 coarse sand) with joints finished flush.				
		Red sand stone	Sqm	10.00		
13	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.				
		Size of Tile 600x600 mm	Sqm	5.00		
14	14.1.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead :				
		With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	5.00		

15	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
		Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	3.00		
16	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
		In cement mortar	Cum	0.10		
17	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		
18	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge	Sqm	52.00		
19	19.3.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :				
		150 mm diameter S.W. pipe	metre	40.00		
20	19.19.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality 19.19.1 L D- 2.5	Each	1.00		

21	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :	Each	5.00		
22	13.31	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement: 3 fine sand) :				
		Flush / Ruled/ Struck or weathered pointing	Sqm	15.00		
23	E1	Providing and laying the PVC pipe of 150mm diameter of approved quality and make complete with all necessary fittings .	Rmt	45.00		
24	E2	Removing the existing Mild steel shade of approximate size of 20.5x15.5 and refixing the same as existing on the location as directed complete with all necessary material and labour complete as required.	Sqft	317.75		
		Total				

Signature of Contractor with Seal.