



**Shyama Prasad Mukherji College
University of Delhi**

Tender

Renovation of Canteen Kitchen



श्यामा प्रसाद मुखर्जी महिला महाविद्यालय SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN



दिल्ली विश्वविद्यालय University of Delhi

पंजाबी बाग (पश्चिम), नई दिल्ली-110026 PUNJABI BAGH (West), New Delhi-110026

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संदर्भ सं. Ref. No *SPMC/2018/Tender/965*

दिनांक Dated *15/11/2018*.....

NOTICE INVITING TENDER

Shyama Prasad Mukherji College is inviting item rate tender from the contractors enlisted with C.P.W.D., MES, Railway and working contractors of Delhi University for the following work, so as to reach the office of the undersigned upto 3:00 p.m. on 28.11.2018. The tenders will be opened on the same day i.e. 28.11.2018.

1. Description of work : Renovation of Canteen Kitchen
2. Site of work : Canteen premises
3. Scope of work : Renovation work
4. Owner Address : Shyama Prasad Mukherji College
Punjabi Bagh (West), Delhi - 110026
5. Details of tender
 - a. Estimated cost of work : Rs. 8,96,351
 - b. Tender Fee : Rs. 500.00 (non-refundable)
 - c. Date and time of start of sale of tenders: 16.11.2018 at 9:00 a.m.
 - d. Last Date and time of sale of tenders: 28.11.2018 at 1:00 p.m.
 - e. Last Date of submission of Tender : 28.11.2018 at 3:00 p.m.
 - f. Earnest Money Deposit : Rs. 18,000/-
(E.M.D)

6. The detailed tender document can be seen and downloaded from the college website <http://spm.du.ac.in> or obtained from the college on all working days during working hours on or before 28.11.2018 upto 1:00 P.M. after payment of Rs. 500/- as tender fee through demand draft payable to Principal, Shyama Prasad Mukherji College. The tender documents which are downloaded from the college website should be submitted alongwith the tender fee by way of demand draft. All the downloaded tender documents which are submitted without tender fee will be rejected / disqualified.

Sadhvi
Principal (Acting)

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3. Site of work : Canteen premises
4. Scope of work : Renovation work
5. Owner Address : Shyama Prasad Mukherji College
Punjabi Bagh (West), Delhi - 110026
6. Details of tender
 - a. Estimated cost of work : Rs. 8,96,351
 - b. Time of Completion : 40 Days
 - c. Tender Fee : Rs. 500.00 (non-refundable)
 - d. Date and time of start of sale of tenders: 16.11-2018 at 9:00 a.m.
 - e. Last Date and time of sale of tenders: 28.11.2018 at 1:00 p.m.
 - f. Last Date of submission of Tender : 28.11.2018 at 3:00 p.m.
 - g. Time of opening of tender : 28.11.2018 at 3.30 p.m.
 - h. Earnest Money Deposit (E.M.D) : Rs. 18,000/-
 - i. Defect Liability Period (DLP) : Six months
7. The tender document can be seen and downloaded from the college website <http://spm.du.ac.in> or obtained from the college on all working days during working hours on or before 28.11.2018 upto 1:00 P.M. after payment of Rs. 500/- as tender fee through demand draft payable to Principal, Shyama Prasad Mukherji College. The tender documents which are downloaded from the college website should be submitted alongwith the tender fee by way of demand draft. All the downloaded tender documents which are submitted without tender fee will be rejected / disqualified.
8. The Contractor shall be requested to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of irrevocable bank guarantee bond of any scheduled bank or state bank in accordance with the form prescribed or in cash or in form of Govt. Security, fixed deposit receipt etc. as in the case of recovery of security deposit within 7 days (seven days) of the issue of letter of intent but before award of work. This period can be further extended by the Principal Shyama Prasad Mukherji College up to a maximum period of 7 days on written request of the contractor.
9. 5% of the bill will be deducted by the college on each running bill and shall be retained as Security Deposit. The amount so deducted shall be returned after the Defect Liability Period of six months. The DLP will be counted from the date of completion of work and handing over to the college.

10. 1% of the bill will be deducted towards water and electricity charges from each running account bill.
11. Compensation for delay of work @1.5% per month of delay to be computed on per day basis and levied on the contractor on delay of work.
12. Labour laws to be complied by the contractor. The contractor shall obtain a valid license under the Contract Labour (R&A) Act 1970 and the contract labour (Regulation and Abolition) Central Rules 1971 before the commencement of work and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour Act 1986.
13. Only those Contractors who have adequate resources by way of finance, technical manpower and tools and have the attitude to produce quality work within the stipulated time period need to submit their tenders. The Tenderer must submit along with tender documents, the following particulars:
 - a. A list of plant and machinery proposed to be employed on the works.
 - b. Names, qualifications and experience of Engineers / Supervisors proposed to be put on this job.
 - c. List of works executed in the last three years, mentioning the value of work executed.
 - d. Certificates of virtual completion of the recent jobs completed by the tenderer.
 - e. Latest Income Tax Clearance Certificate
14. Interested Contractors, Firms, Companies are advised to submit the tender alongwith Tender Fee and EMD. No exemption shall be given to anybody by any way.
15. Tenderer is advised to inspect the site, examine the drawings and make all investigations regarding the extent of work, its scope and conditions under which the work is to be executed. No claim for any extra payments of any kind on account of lack of information about the site conditions shall be entertained.
16. This document is to be returned duly completed and signed by an authorized signatory. If the Contractor does not intend to tender, blank document shall be returned. No alterations of any kind shall be made in the document, but if the tenderer deems it essential to explain any aspect, he may do so through a separate covering letter.
17. The rates shall be quoted neatly both in figures and words. Erasures and alterations made while filling the tenders must be attested by authorized initials.
18. The tenderer may be required to produce documents regarding partnership and/or Articles of Association of the Company along with the tender document.
19. On the written acceptance of the tender by the Owner, the tenderer shall be required to enter into a formal agreement to commence work within 7 (seven) days of acceptance. Failure on the part of the Contractor to do so, shall forfeit his claim and the Owner may entrust the work to any other agency.
20. Earnest money deposited by the Contractor shall be liable to be forfeited in case the Contractor does not commence the work within 7 (seven) days of the date of issue of written acceptance of the tender by the Owner.
21. The offer of the tenderer shall remain open for a period of 60 days from the stipulated date of submission of tender.
22. Tender documents will be supplied to the intending tenderer as under :

One set of tender documents consisting of tender form, conditions, specifications and schedule of quantities, tender drawings.
23. The Owner reserves the right to reject any or all of the tenders, either in whole or in part, without assigning any reason for so doing.

24. Earnest money deposited by tenderers shall be returned after 30 days of the date of award of work to the successful tenderer. This deposit shall not bear any interest.
25. The tenderer is requested to submit tenders to the college office in writing before 3.00 p.m., 28.11.2018.
26. Tender issued to M/s. _____
On _____


Principal (Acting)
SHYAMA PRASAD MUKHERJI COLLEGE
UNIVERSITY OF DELHI, DELHI

IMPORTANT NOTES FOR THE TENDER

1. Prospective tenderers are requested to read the document carefully before quoting the rates.
2. The rates for each item must be written in figures as well as in words clearly. No rubbing shall be allowed. If any corrections are to be made, the same shall be initiated by the tenderer.
3. It will be presumed that the prospective tenderer has visited the site and all the necessary data collected which is required for submission of the tender.
4. The drawings attached with this tender document are only SCOPE DRAWINGS, and are for BID PURPOSE ONLY.
5. TENDERERS are to sign or initial all pages of this tender document along with the drawings in token of having gone through the details.
6. The quantities given in the SCHEDULE are approximate. The contractor shall be paid for the actual quantities of work executed by him in accordance with the drawings at the contract rates
7. The owner reserves the rights for accepting any tender whether it is lowest or not.

I have read the above notes carefully and after going through the tender document, I submit the same.

PLACE

DATE

TENDERER / CONTRACTOR
COMPANY SEAL

PREAMBLE

1. The form enclosed with this tender state the work to be carried out as well as the date for submitting and opening tenders and the time allowed to carry out the work; also the percentage at which the Security Deposit shall be deducted from the bills of the successful tenderer.
2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof, or by a person holding a power of attorney, authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act.
3. Receipts for payments made on account of a work, when executed by a firm must be signed by the several partners or by a person having the authority to give effectual receipts for the firm.
4. Any person who submits a tender shall quote item wise rates stating at what rate he is willing to undertake each item of work. Tenders which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other condition of any sort will be liable to be rejected. Tenders shall have the name of the work to which they relate written outside the envelope.
- 4.a) The rate(s) and / or amount(s) must be quoted in decimal coinage in Rupees clearly, along with rates in figures.
5. The Owner inviting tenders shall have the right of rejecting all or any of the tenders.
6. The tenderer shall maintain secrecy of tender documents, drawings, or any other record connected with the work given to them. The unsuccessful tenderer shall return all drawings and other documents given to them.
7. The rate quoted by the Contractor in item rate tenders shall be the correct basis and not the amount worked out by them. The rate quoted in words will be correct basis and not the rate shown in figures in case of discrepancy between them.
8. If it is found that the tender is not submitted in a proper manner, or contains too many corrections or unrealistic rates or amounts the owner may reject the same.
9. The Contractor shall execute all the works referred in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered.
10. The tenderer should carefully examine all drawings / documents and in case of any doubt obtain clarifications which with affect his tender as no allowance, whatsoever, will be made beyond the contract for any alleged ignorance thereof.
11. All items of work under the contract shall be executed strictly in accordance with the description of the item in the Schedule of Quantities, relevant Drawings and read in conjunction with the appropriate Indian Standard Specifications.
12. The rate for each item of work included in the Schedule of Quantities (irrespective of the description of the item) shall unless expressly stated otherwise include cost of:

- a. All materials, fixing materials, accessories, operations, appliances, tools, plants, equipment, transport, labour and incidentals required in preparation for in the full and entire execution and completion of the work called for in the item and as per specification and drawings.
 - b. Waste on materials and labour.
 - c. Loading, transporting, unloading, handling /double handling, hosting to all levels, setting and fixing in position, protecting, disposal of debris and all other labours necessary in and for the full and entire execution and to fully complete the job in accordance with contract documents, good practice and recognized principles.
 - d. Liabilities, obligations and risks arising out of conditions of contract.
 - e. All requirements of specifications, whether such requirements are mentioned in the item or not. The specifications and drawings where available are to be read as complimentary and to and part of the schedule of quantities and any work called for in one shall be taken as required for all.
 - f. In the event of conflict between schedule of quantities and other documents including the specifications the most stringent shall apply and the interpretation of the Architect shall be final and binding.
13. The contractor shall be paid for the actual quantities of work executed by him in accordance with the drawings at the contract rates.
14. In the event of an error occurring in the amount column of the schedule as result of wrong extension of unit rate and quantity, the unit rate quoted by the tenderer shall be regarded as firm and the extensions shall be amended on the basis of the rates.

CONDITIONS OF CONTRACT

1. The successful contractor will have to execute an agreement with the Shyama Prasad Mukherji College authorities on the University printed form which can be seen before tendering in the office of the undersigned.
2. Time allowed for the work from the 7th day after the date of written order to commence the work and the work to be completed in 40 days.
3. The work shall be carried out as per C.P.W.D. specifications in force for works at Delhi with up to date correction slips unless otherwise specified in the nomenclature of the individual item of works.
4. Rates quoted for the items, should be written in words and figures.
5. Before tendering, the contractor shall visit the site and satisfy himself of the local conditions, the accessibility of the site of full extent and implication of the operation the nature of the ground and supply conditions affecting labour and execution of the contract. No claim on these issues will be entertained. All existing services in and around the plot (like storm water drain, approach road etc.) will be kept by the contractor in good order. Any damage to lawns, services, existing structure etc. will have to be made good by the contractor at his own cost.
6. The site as shown in the layout plans, shall be cleared of all loose stones, materials rubbish of all kinds, as well as bush wood. All holes or hollows whether originally existing or others, shall be carefully filled in with earth, well rammed & leveled as directed. Nothing extra will be paid on this account.
7. Inconvenience of Public: The Contractor shall not deposit materials on any site which will cause inconvenience to the public. The Principal, Shyama Prasad Mukherji College may require the contractor to remove any material which are considered by her to be dangerous or inconvenient to the public or cause them to be removed, at the contractor's cost.
8. Contractor will fully co-operate with the other agencies operating on this work.
9. All the materials to be used on the work shall be of reputed makes/ISI marked, as per the samples approved by the Principal, Shyama Prasad Mukherji College.
10. The contractor can see the drawings, specifications and contract conditions of the work, in the office of the undersigned, on any working hour before tendering.
11. The contractor shall see the site of work-any approach road etc. if required will have to be made by him at his own cost.
12. In case of error in descriptions of any D.S.R item, given in the schedule, the description given in the CPWD schedule of rates shall be final, unless otherwise specified in the individual item and no claim on account of error shall be made.

EXTRAS AND VARIATIONS

If at any time whilst the works are in hand it shall be deemed expedient by the Owner to order material or work of a different description from that specified, or to increase the dimensions or extent of the work, or to alter their situation or vary the form or dimension of the works, or of any parts thereof, or to substitute one class of work for another, he shall have full power to do so, and to order and direct any such variations and/or additions and the work involved in any such variations and/or additions shall be executed by the Contractor. No such variations

and/or additions shall in any way annual this contract, or extend the time of completion provided for herein but such addition or variation shall be paid for or deducted from the account of the Contractor, as the case may require.

The rates for such additional, altered, or substituted work (under this clause) shall be worked out in accordance with the following provisions in their respective order:

- i) If the rates for the additional, altered or substitutes work are specified in the contract for the work, the contractor is bound to carry out the additional, altered, or substituted work at the same rates as are specified in the contract for the work.
- ii) If the rates for the additional, altered, or substituted work are not specifically provided in the contract for the work, then such rates will be derived from the rates for a similar class of work as are specified in the contract for work.
- iii) If the altered, additional or substituted work cannot be derived from similar class of work as laid down in (ii) above, then the rates for such items of work shall be computed on the basis of the Analysis of rate as provided in the CENTRAL PUBLIC WORKS DEPARTMENT SCHEDULE – (LATEST REVISION). Water and Electricity charges, even if provided in C.P.W.D Analysis will NOT be allowed since same are deemed to be included in the 20% (Twenty percent) to be added towards establishment, overheads, Water and Electricity charges and Contractor's Profit.
- iv) If the rates for the altered, additional or substituted work cannot be determined in the manner specified in the Sub – Clauses i) ii) or iii) above, then the rates for such work shall be worked out on the basis of actual consumption of materials, and labor and equipment used etc. as detailed below.
 - a) Cost of materials, at current market rates, actually incorporated in the work.
 - b) Direct Cost of labor and equipment used at current prevailing rates.
 - c) Profits and Direct and Indirect overheads calculated at 20 (twenty) percent of the cost of Material [(a) + (b)] and labor and equipment used which shall include charges for Tools and Plant, water, power, supervision etc.
The final rate payable to the Contractor will be equal to cost vide para (a) plus cost vide para (b) plus cost vide para (c).

But if the Contractor and the Owner cannot agree as to the rate to be paid, the Owner may order and direct the same to be done by such person or persons for the purpose of carrying out such work as is required.

Before any extra work, or work of an altered value or class is undertaken by the Contractor, he shall procure an order in writing from the Owner for carrying out such extra or variation of work, and the Contractor shall not be entitled to any payment for such extra work or variations unless he produces, if required to do so, the written order for the same, as aforesaid, and he shall not be entitled to plead that the Owner omitted to provide such written order, as it is to be distinctly understood that the responsibility for obtaining such order shall be with the contractor.

The Contractor shall not be entitled to any rates other than the rates set out in the Scheduled of Quantities, on the plea that the work was in a different position, or of a different class from, or in a more difficult position than, that shown on the plan or described in the specifications or Schedule of Quantities, or carried out under circumstances not contemplated in the Specifications or Schedule of Quantities, unless an agreement entitling him to payment at other than the rates set out in the Schedule of Quantities, shall have been previously made and signed by the Architect and the Contractor.

14. If for any reason, some building plans or any other details concerning the work are not available at some stage of the work or if there is any delay in supply of any materials which is to be supplied by the Department as per terms of the contract or there is delay or interruption in availability of site work, no claim of any sort will be admissible to the contract. However, necessary extension of time for completion of the work due to genuine hindrances in the work will be given.
15. This tender shall remain open for acceptance for a period of 10 days from the date of opening of tender, if any tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to the Shyama Prasad Mukherji College, then the Shyama Prasad Mukherji College without prejudice to any other right or remedy be at liberty to forfeit the Earnest money.
16. The acceptance of the tender will rest with the Shyama Prasad Mukherji College, University of Delhi, Delhi who do not bind themselves to accept the lowest tender, reserve, to themselves the authority to reject, any or all the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled is liable to be rejected.
17. The contractor shall sign all pages of the tender documents including these conditions. Incomplete tenders are likely to be rejected.
18. VAT on the work contract shall be deducted on gross value of work done as applicable by the Govt. of National Capital Territory of Delhi. VAT/Labour Cess will be deducted as applicable under the guidelines of Govt of NCT Delhi and GST as per applicable.
19. The Contractor shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of irrevocable bank guarantee bond of any scheduled bank or state bank in accordance with the form prescribed or in cash or in the form of Govt. Security, fixed deposit receipt etc. as in the case of recovery or security deposit within 15 days of the issue of letter of intent but before award of work. This period can be further extended by the Principal, Shyama Prasad Mukherji College up to a maximum period of 7 days on written request of the contractor.



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UNIVERSITY OF DELHI, DELHI

SCHEDULE OF QUANTITIES

S. No.	Item	Qty.	Unit	Rates	Amount (Rs.)
1	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement: 5.2.3 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20mm nominal size)	2	cum		
2	Centering and shuttering including strutting, propping etc. and removal of form for : 5.9.3 Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	32	sqm		
3	Steel reinforcement for R.C.C. work including straightening, cutting bending, placing in position and binding all complete upto plinth level. 5.22.6 Thermo-Mechanically Treated bars.	120	kg		
4	Providing and fixing 18mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20mm thick base 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. 8.2.2.2 Area of slab over 0.50 sqm	35	sqm		
5	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 12mm thick bed of cement mortar 1:3 (1cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sqm, including pointing in white cement mixed with pigment of matching shad complete.	225	sqm		
6	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade the slab, including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand): 11.26.1 25mm thick	120	sqm		
7	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in - charge.	1	cum		
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : 6.12.2 Cement mortar 1:4 (1 cement :4 coarse sand)	20	sqm		

9	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50m: 2.10.1.2 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	32	metre		
10	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 19.2.2 150 mm diameter S.W. pipe	32	metre		
11	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: 19.27.1 With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3	each		
12	Distempering with oil bound washable distemper of approved brand and manufacture to given an even shade: 13.14.1 New work (two or more coats) over and including water tinnable priming coat with cement primer	900	sqm		
13	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	300	sqm		
14	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: 13.62.1 Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	50	sqm		
15	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering- All work up to plinth level: 4.1.8 1:4:8 (1cement :4coarse sand : 8 graded stone aggregate 40 mm nominal size)	6	cum		
16	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 & shade, 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.	60	sqm		
17	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved.	5	cum		

18	12mm cement plaster of mix : 13.1.1 1:4 (1 cement: 4 fine sand)	30	sqm		
19	Dismantling old plaster or skirting raking out joints and cleaning the surgance for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	200	sqm		
20	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 520 metres lead: 15.12.2 Of area beyond 3 sq. metres	2	each		
21	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	100	sqm		
22	Demolishing brick work manually/by mechanical means including stacking of serviceable material and diposal of unserviceabke material within 50 metres lead as per direction engineer-in-charge. 15.7.4 In cement mortar	4	cum		
22	Providing & laying drain pipe 150 mm dia PVC pipe	32	metre		
23	Providing & fixing floor drain G.T 300 x 300 mm with bricks in cement mortar 1:4 with precast RCC vertical grating complete as per standard design (open surface drain)	2	metre		
24	Providing and fixing water closet squatting pan (Indian tyoe W.C. pan) with 100mm 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: 17.1.1 White Vitreous china Orissa patern W.C. pan of size 585x480 mm with integral type of foot rests	1	each		
25	Providing an fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : 17.7.5 White Vitregous China Angle back wash basin size 600x480 mm with single 15 mm C.P. brass pillar tap	1	each		
26	Providing and fixing Stainless Steel A ISI 304 (18/8) Kitchen sink as per IS: 13983 with C.I brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making giid the walls wherever required: 17.10.2.1 610x510 mm bowl depth 200 mm	2	each		
27	Providing and fixing chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 18.7.1 15 mm nominal outer dia Pipes	20	each		

28	Providing and fixing chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 18.7.2 20 mm nominal outer dia Pipes	20	each		
29	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc, complete: 18.13.2 50 to 80 mm nominal bore	1	each		
30	Providing and fixing brass bib cock of approved quality: 18.15.1 15 mm nominal bore	4	each		
31	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 18.7.1 25mm nominal bore	2	each		
32	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000	per litre		
33 5	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. 10.25.2 In gratings, frames, guard bar, ladder, railing, brackets, gates and similar works	70	Kg		
34	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waster fitting as per IS: 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required: 17.5.1 Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	1	each		
35	Providing and fixing brass stop cock of approved quality: 18.16.1 20 mm nominal bore	3	each		
36	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet: 18.22.1 150 mm diameter	1	each		
37	Mirror polishing on marble work/Granite work/stone work wherever required to give high gloss finish complete.	350	sqm		
	TOTAL				

