



HANS RAJ COLLEGE
UNIVERSITY OF DELHI

Mahatma Hans Raj Marg, Malka Ganj, Delhi – 110007

EXPRESSION OF INTEREST

FOR

EMPANELMENT OF CONTRACTORS FOR
ANNUAL MAINTENANCE & MINOR WORKS AT HANS RAJ COLLEGE

Last date & time of submission of EOI
documents to Hans Raj College on or before : 27/06/2016 up to 3.00 p.m.

EOI to be submitted :

To
The Principal
Hans Raj College
Mahatma Hans Raj Marg
Malka Ganj
Delhi - 110007


Acting Principal
Hans Raj College
Delhi-110007

HASN RAJ COLLEGE

EXPRESSION OF INTEREST (EOI)

1. The Principal, Hans Raj College, University of Delhi invites expression of interest application from the working reputed civil contractors of University of Delhi for Annual maintenance and day to day work of civil/ furniture/ Internal electric/ plumbing and sanitary work and other minor construction works at Hans Raj College for a period one year. The estimated cost of work is 20 Lac.

- i. Last dates & Time
EOI open for issue/ download : upto 24/06/2016 up to 3.00 p.m.
- ii. Last date & time of submission
of EOI (Hard copies only) : 27/06/2016 up to 3.00 p.m.
- iii. Time & date of opening at EOI : at 3.30 p.m. on 27/06/2016

2. Applicant should have satisfactory completed atleast one similar works costing 10 lacs or two similar works costing 7 lacs or three similar works costing 5 lacs each per year during last three years in Govt. department, Delhi University/ Educational Institutions/ Autonomous Organizations.

Similar work means : Construction/ maintenance of :

- i. Civil – Building works including internal water supply, sanitary installations and drainage and AR/MO building works.
- ii. Electrical – Internal electrical installations in buildings, having valid electrical license.
- iii. HVAC works – AMC/ AR & MO works of HVAC works.
- iv. Furniture – Interior & furniture works.

3. Intending agencies should have established office at Delhi and should also submit valid PAN/TIN/ESIC/PF registration certificate/Number.
4. Information regarding last three years. List of work in hand and current orders shall also be enclosed with application.
5. The agency should possess valid license for electrical works or should have licensed electrician with them.
6. Agencies should have proper arrangements and resources for rendering skilled and unskilled labours and storing of materials. Labour camp in the campus of College is not permitted.
7. Contractors have to make their own arrangements for stores and watch and ward of their materials.
8. Contractors will by fully responsibility of following Labour and other laws for construction as applicable in Delhi.

9. Contractors are responsible for taking pre-cautions for taking safety of men and material deployed by them and shall indemnify the College incase of mishap/ accident for any civil and criminal liabilities.
10. Agencies not meeting the eligibility criteria shall summarily be rejected.
11. Hans Raj College reserved the right to restrict the number of impaneled agencies out of technically qualified agencies out EOI applications received.

Submission of EOI documents

1. EOI submitted by the agencies shall comprise of the following
 - a) Document in support of the minimum requirements as stated above.
 - b) Information in the format as specified in Annexure 1.
 - c) The schedule of rates duly filled up for items mentioned in Annexure 2 part 1, 2 and 3.
 - d) Copy of certificates form Govt. department, registration if any, PF and ESIC, Registration Certificates/ PAN/TIN number.
2. All the documents should be placed in the sealed envelope and heading as defined below shall be mark on the envelope "EOI application for empanelment of contractors for Annual Maintenance and Minor Works"
3. EOI application documents, schedule of rates and copy of partnership deed shall be placed in the separate envelopes and envelop shall be given a number and heading.

EOI Validity

1. EOI submitted shall remain valid for acceptance for a period of 60 days from the date of opening of EOI.

EVALUATION CRITERIA

The details submitted by the bidders will be evaluated in the following manner

1. The bidder should meet minimum eligibility criteria prescribed as above.
2. Even though the bidder may satisfy the above requirements, he would be liable for disqualification if he has :
 - a. Made a misleading or false representation or deliberately suppressed the information regarding any litigation, exclusion / expulsion or black listing by any agency for misappropriation or non- performance or bad work or any other reason whatsoever.
 - b. Record of poor performance/ abandoning of work or not properly completing the contracts of financial failures etc.

Clarification of Bids

1. To assist in the examination of EOI Principal is authorized or authorized the representative of the College may ask at its discretion any bidder for clarification of its EOI.
2. No bidder shall contact on any matter relating to the EOI from the time of opening of EOI to the time of empanelled is declared by the college. Any effort by the bidder to influence the EOI valuation may result in the rejection of EOI.
3. Principal, Hans Raj College, University of Delhi does not bind its self to accept the EOI and reserves the right to reject any or all of the EOI received though assigning any reason.

Empanelment Criteria

1. Hans Raj College shall prepare a list whose evaluated EOI has been determined to be suitable in accordance with the eligibility criteria as per EOI documents. The Hans Raj College reserve the right to reserve or reject any application or annul the empanelment process at any time without thereby incurring any liability to the affected applicants or specifying the ground of college decisions.
2. College shall prepare the comparative statements of rates quoted by the listed agencies who have found to be technically qualified and then arrive at minimum rates quoted for the different items as for the schedule of rates attached with EOI documents. All the listed contractors shall be informed within 10 days of opening of the bid about the minimum acceptable rates of different items.
3. All the listed contractors shall be asked to give their consent in writing whether they agreed to minimum acceptable rates arrived at by the College as intimated to them. Within three days of receipt of information from the college in this regard.
4. After receipt of the consent from the listed agencies contractors will be empanelled (maximum 5 numbers) and agencies shall be informed accordingly.
5. As and when any maintenance work/ minor construction work is required to be executed by the College on priority and the college is free to choose any empanelled agency for the work based on their ability to arrange men and materials and complete the work within the shortest possible time. Normally, college will award the work in rotation.
6. For every work contractor will have to execute agreement and given the time period for the completion of the job.

LETTER OF TRANSMITTAL

1. Contractor should submit the letter of transmittal with the EOI document alongwith the Annexure 1A, B & C performa.

PAYMENT PROCEDURE

1. Contractors shall raise the bill after satisfactory completion of work. The payment shall be made after the certification from the College representative at sight.
2. TDS or income tax and WCT shall be deducted as per government rules.
3. College will supply water and electricity at one point for executing the work.
4. Security deposit of 10% of the cost shall be deducted as a security deposit for each work and shall be released after three months of defect liability period without any interest.
5. If contractors failed to rectify and defect pointed out in the defect liability period then college can get the work rectified at its risk and cost and recovered the amount from the security deposit of the amount.
6. All works has to be executed as per CPWD specification of the work applicable as on date with upto date production slips if any. In case of any dispute regarding payments decision of the Principal shall be final and binding.

For any clarification/ queries office of the Principal can be contacted at telephone no. 011-27667458 regarding EOI applications.


PRINCIPAL
HANS RAJ COLLEGE
Acting Principal
Hans Raj College
Delhi-110007

LETTER OF TRANSMITTAL

From

To
THE PRINCIPAL
HANS RAJ COLLEGE
University of Delhi
Mahatma Hans Raj Marg
Malka Ganj
Delhi – 110009

Sub.: SUBMISSION OF EOI FOR THE EMPANELMENT OF CONTRACTORS FOR
EXECUTION OF WORKS AT HANS RAJ COLLEGE.

Madam,

Having examined the details given in press notification and the EOI, I/We hereby submit the EOI documents and other relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed forms and accompanying statements are true and correct.
2. I/We have furnished all information and details necessary for eligibility criteria and have no further pertinent information to supply.
3. I/We submit the requisite certified solvency certificate and authorize the Principal, Hans Raj College, Delhi to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize the Principal, Hans Raj College, Delhi to approach individuals, employers, firms and corporation to verify our competence and general reputation.
4. I/We submit the following certificates in support of our suitability, technical know-how & capability for having successfully completed the following works

Name of Work:

Certificate from

- 1.
- 2.
- 3.

- 1.
- 2.
- 3.

Enclosures:

Seal of applicant
Date of submission

Signature(s) of applicant(s)

ANNEXURE 1

PROFORMA 'A'

DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST 7
(Seven) YEARS ENDING LAST DAY OF THE MONTH

S. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of Rupees	Date of commencing as per contract	Stipulated date of completion	Actual date of completion	Litigation arbitration cases pending/ in progress with details	Name and address/ telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10

- Indicate gross amount claimed and amount awarded by the Arbitrator.

SIGNATURE OF BIDDER(S)

PROFORMA 'B'

PROJECTS UNDER EXECUTION OR AWAREDE

S. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of Rupees	Date of commen -cement as per contract	Stipulated date of completion	Actual date of comple tion	Litigation arbitration cases pending/ in progress with details	Name and address/ telephone number of officer to whom referene may be made	Remarks
1	2	3	4	5	6	7	8	9	10

Certified that the above list of works is completed and no work has been left out that the information given is corrected to my knowledge and belief.

SIGANTURE OF BIDDER(S)



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S.no	Description of Item of work	Unit	Rate(Rs)
1	Earth Work in excavation in by mechanical means (Hydraulic excavator) / manual means foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m: All kind of soil.	cum	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering –All work upto plinth level: 1:4:8 (1 cement: 4 coarse: 8 graded stone aggregate 40mm size)	cum	
3	Centring and shuttering including strutting , propping etc. and removal of form for Columns, pillars, piers abutments, posts and struts.	sqm	
4	Centring and shuttering including strutting, propping etc. and removal of form for: Lintels. Beams, grids bressumers and cantilevers.	sqm	
5	Providing and laying in position specifies grade of reinforced cement concrete excluding the cost of centering, shuttering, finished and reinforcement – all work upto plinth level: 1:2:4: (1 cement 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	cum	
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15 ⁰ landings, balconies, shelves, chajjas, lintels, bands' plain window sills, staircase upto floor five level excluding the cost of centering, shuttering, finished and reinforcement : 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	cum	
7	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and blinding all complete: cold twisted bars.	Kg	
8	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in: cement mortar 1:4 (1 cement: 4 coarse sand)	Cum	
9	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	
10	Half brick work with F.P.S bricks of class designation 75 in superstructure above plinth level up to floor v level: in cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	
11	Supplying and filling in plinth with jamuna sand under floors including watering, ramming, consolidating and dressing	Cum	



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	complete.		
12	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by remaining and watering, lead upto 50 m and lift upto 1.5 m.	Cum	
13	Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by engineer-in-charge) over 20 mm (average) thick base of cement mortar 1:4 (1 cement: 4 coarse sand) polishing complete with: Rai nagar plain	Sqm	
14	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	
15	Kota stone slabs 25 mm thick in risers, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	
16	12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	Sqm	
17	15 mm cement plaster on the rough side of single or half brick wall of mix: 1:4(1 cement: 4 fine sand)	Sqm	
18	Providing and laying Ceramic glazed floor tiles 300X300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS: 15622 of approved make in all colours such as white, Ivory, Grey, Fume Red Brown laid on 200 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cements and matching pigment etc. complete.	Sqm	
19	Providing and fixing Ist 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	
20	Providing and lying 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 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	Sqm	



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	Size of Tile 600X600 mm		
21	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floors tiles	Sqm	
22	Fixing glazed/Ceramic/ Vitrified floor tiles with cement based high polymer modified quick set tile adhesive (water bases) conforming to IS 15477. In average 3mm thickness.	Sqm	
23	Extra for providing edge moulding to 18 mm thick marble stone counters vanities etc. over including machine polishing to edge to give high gloss finish etc. complete as per standard design approved by engineer In Charge. Granite work.	Mtr	
24	Painting top of roofs with bitumen of approved quality at 17 kg per 10 sqm impregnated with a coat of coarse sand at 60 cum per 10 sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete : with residual type petroleum bitumen of penetration 80/100	Sqm	
25	Providing gola 75X75 mm in cement concrete 1:2:4 (1 cement 2 coarse sand: 4 stone aggregate 10 mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design: In 75X75 mm deep chase	Sqm	
26	Making khurra 45X45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C sheet 1m x 1m x 400 Micron, finished with 12 mm cement plaster 1:3 (1 cement;3 coursesand) and a coat of neat cement rounding the edges and making and finished the outlet:	Each	
27	Providing and laying brick tiles of class designation 100 over mummy roofs grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat : with F.P.S brick tiles	Sqm	
28	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate of 20 mm nominal size) over 75 mm bed by dry brick ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth	Sqm	
29	Providing the fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail T-iron 40x40x6 mm with 40 mm dis, steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	Sqm	



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30	Structural steel work in single section fixed without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete	Kg	
31	Steel work welded in built up section/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In grating, Frames, guard bar, ladders , railing, brackets , gates and similar works.	Kg	
32	Providing and fixing hand railof approved size by welding etc. to steel ladder railing , balcony railing & staircase railing including applying a priming coat of approved steel primer M.S tube.	Kg	
33	Providing and fixing M.S grills of required pattern in frames of windows etc. M.S flats, square or round bars etc. all complete fixed to steel windows by welding	Kg	
34	Providing and fixing UV resistant multiwalled (twin walled) 10 mm thick green coloured polycarbonate sheet conformed to IS 14443:1997 on steel structure	Sqm	
35	Providing and fixing anodized aluminium work for doors, windows, ventilators and partitions with extruded built up standard tublar sections/ appropriate Z sections of approved make conforming to IS : 733 and IS : 1285, fixed with rawl of plugs and screws or with fixing clips, or with expansion hold fastmers including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/penelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of engineer-in-charge.(Glazing and paneling to be paid for separately): foe fixed portion; Anodised aluminium (anodized transparent or dyed to required shade according to Is: 1868, Minimum anodic coatingof grade AC 15)	Kg	
36	Providing and fixing 12 mm thick prelaminated three layer medium density (exterior grade) particle board grade I, Type II conforming to IS: 12823 in paneling fixed in alluminium doors, windows shutters and partition frames with C.P brass/stainless steel screws etc..complete as per architectural drawings and directions of engineer-in-charge: prelaminated particle board with decorative lamination on both sides.	Sqm	
37	Renewal of old putty of glass panes and Refixing old glass panes with putty and nails.	Sqm	



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38	Providing and fixing glazing in aluminium door, windows, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per architectural drawings and the directions of engineer-in-charge. (Cost of aluminium anap beading shall be paid in basic item): with float glass panes of 5.50 mm thickness.	Sqm	
39	Providing and fixing ISI marked aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 250x16 mm	Each	
40	Providing and fixing aluminium tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS :1868)transparent or dyed to required colour or shade with necessary screws etc. 200x10 mm	Each	
41	Providing and fixing aluminium handles ISI marked modized (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 125 mm	Each	
42	Providing and fixing aluminium handles ISI marked modized (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 100 mm	Each	
43	Providing and fixing IS : 3564 marked aluminium extruded section body tubular type universal hydraulic door with double speed adjustment with necessaries and screws etc. complete.	Each	
44	Providing and fixing ISI marked flush door shutters confirming to IS :2202 (part I) non-decorative type, core of block board construction with frame of ist class hard wood and well matched commercial 3 ply veneering with verticle grains or cross bands and face veneers on the both faces of shutters :35 mm thick including ISI marked Stainless steel butt hinges with necessary screws	Sqm	
45	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size nominal size including spreading, well ramming, consolidating and grouting with jamuna sand including finishing smooth etc. complete as per direction of Engineer-in-charge	Sqm	
46	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	
47	Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction if Engineer-in-	Cum	



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	charge. In cement mortar		
48	Providing high impact polypropylene reinforced cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J. or L, hooks, bolts and nuts 8 mm dia. G.I. pain and bitumen washers or with self-drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required	Sqm	
49	Providing and fixing rabbit wire mesh of 0.71 mm dia (22 guage) of galvanized steel wire hoisting hexagonal or rectangular opening of 20-25 mm including straightening and laying the same on the surface to keep intact in position and also including cutting to proper size and necessary stitching with galvanized wire of same diameter & fixing with ¾ inch length with furniture M.S. nails/screws complete as per specification and direction	Sqm	
50	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fasteners shall be paid for separately) second class teak wood.	Cum	
51	Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows including ISI marked M.S. pressed but hinges bright finished or require size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction of Engineer-in-charge Second class teak wood 35 mm thick shutters	Sqm	
52	Providing sand stone slab for roofing and laying them in cement mortar 1:4 (1 cement : 4 coarse sand) over (structural steel sections to be paid separately) , including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete: Red sand stone slab	Sqm	
53	15 mm Neat cement plaster of mix 1:4 (1 cement : 4 coarse sand)	Sqm	
54	Dismantling old plaster or skirting raking out joints and cleaning the surface or plaster including disposal of rubbish to the dumping ground within 50 metres lead as per direction of Engineer-in-charge	Sqm	
55	Add or deduct for plaster drip course/groove in plastered surface or moulding to R.C.C projections	Mtr	



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S.No.	Description	Unit	Rate Rs.
A	EARTH WORK		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual over means (exceeding 30 cm in depth. 1.5 in width as 10 sqm on plan) including disposal of excavation earth, lead up to 50m and lift up to 1.5 m, disposed earth to be leveled and neatly dressed.		
	All kind of soil	Cum	
2	Filling available excavated earth (excluding body) in trenches, plinth, sides of foundations etc. in layer not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m	Cum	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering & shuttering – All work up to plinth level :	Cum	
	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)		
B	WATER SUPPLY		
1	Providing and fixing G.I. pipes complete with G.I fittings and clamps, including cutting and making good the walls etc.		
a)	15mm dia. Nominal bore	Meter	
b)	20mm dia. Nominal bore	Meter	
c)	25mm dia. Nominal bore	Meter	
d)	32mm dia. Nominal bore	Meter	
e)	40mm dia. Nominal bore	Meter	
f)	50mm dia. Nominal bore	Meter	
2	Making connection of G.I distribution branch with G.I. main of following size by providing and fixing tee, including cutting and threading the pipe etc. complete:		
a)	15 mm nominal bore.	Each	
b)	20 mm nominal bore.	Each	
c)	25 to 40 mm nominal bore	Each	
d)	50 to 80 mm nominal bore	Each	
3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):		
a)	15mm dia. Nominal bore	Each	
b)	20mm dia. Nominal bore	Each	
c)	25mm dia. Nominal bore	Each	



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d)	32mm dia. Nominal bore	Each	
e)	40mm dia. Nominal bore	Each	
f)	50mm dia. Nominal bore	Each	
4	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete:		
a)	15mm dia. Nominal bore	Each	
b)	20mm dia. Nominal bore	Each	
c)	25mm dia. Nominal bore	Each	
5	Painting G.I. pipes and fitting with two coats of anti-corrosive bitumastic paint of approved quality:		
a)	15mm dia. Nominal bore	Meter	
b)	20mm dia. Nominal bore	Meter	
c)	25mm dia. Nominal bore	Meter	
d)	32mm dia. Nominal bore	Meter	
e)	40mm dia. Nominal bore	Meter	
f)	50mm dia. Nominal bore	Meter	
6	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete		
a)	15mm dia. Nominal bore	Each	
b)	20mm dia. Nominal bore	Each	
c)	25mm dia. Nominal bore	Each	
d)	32mm dia. Nominal bore	Each	
e)	40mm dia. Nominal bore	Each	
f)	50mm dia. Nominal bore	Each	
7	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.	Per litre	
8	Providing and fixing on terrace (at all floor levels) polyethylene water storage tank cover	Each	
9	Providing and fixing C.P. brass fitting in toilet with extension pc, caps, CP pipe & nut-bolt, washer etc. complete of approved quality conforming I.S. standards.	Each	
a)	Angle valve	Each	
b)	CP bib cock.	Each	
c)	450 mm long copper pipe with 2 nuts & washers.	Each	
d)	Towel ring	Each	
e)	C.P. Trap jail-5" dia	Each	
f)	Flange	Each	
g)	Waste 32 mm	Each	
h)	Bottle trap	Each	



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i)	Health faucet/jet	Each	
j)	Cooler press cock	Each	
k)	W.B. pillar cock	Each	
l)	P.V.C. connection pipe	Each	
m)	Urinal spreaders	Each	
m)	Shower	Each	
o)	Phase	Each	
p)	Solid plastic seat with Lid.	Each	
10	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	Rmt	
11)	Providing and fixing gun metal non-return valve of approved quality (screwed end)		
a)	15 mm dia.	Each	
b)	20 mm dia.	Each	
c)	25 mm dia.	Each	
d)	32 mm dia.	Each	
e)	40 mm dia.	Each	
f)	50 mm dia.	Each	
12	Providing and filling sand of grading zone V or Coarser grade, all round the G.I. pipes in external works		
a)	15 mm dia. Pipe	Metre	
b)	20 mm dia. Pipe	Metre	
c)	25 mm dia. Pipe	Metre	
d)	30 mm dia. Pipe	Metre	
e)	40 mm dia. Pipe	Metre	
f)	50 mm dia. Pipe	Metre	
13	Providing and fixing G.I. tank nipple for water tank		
a)	15 mm dia.	Each	
b)	20 mm dia.	Each	
c)	25 mm dia.	Each	
d)	32 mm dia.	Each	
e)	40 mm dia.	Each	
f)	50 mm dia.	Each	
14	Cutting holes upto 15X15 cm in walls including making good the same.		
	DRAINAGE		
1	Providing, laying and jointing glazed stonewear pipe grad 'A' with stiff mixture of cement mortar in the proportion on 1:1 (1 cement : 1 fine sand) including testing of joints etc.		
a)	100 mm diameter	Meter	
b)	150 mm diameter	meter	
2	Providing and laying cement concrete 1:5:10 (1 cement : 5		



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	coarse sand : 10 graded stone aggregate 40 mm nominal size) all-around S.W. pipes including bed concrete as per standard design:		
a)	100 mm diameter S.W. pipe & P.V.C. pipe	Metre	
b)	150 mm diameter S.W. pipe & P.V.C. pipe	Metre	
3	Providing and fixing square-mouth S, W, gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (INSIDE) THE weight of cover to be not less than 4.50kg and frame to be not less than 2.70 as per standards design		
a)	180x150 mm size P type		
	With F.P.S. brick class designation 75	Each	
4	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars joint with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:		
a)	150 mm dia. R.C.C pipe	Metre	
b)	300 mm dia. R.C.C pipe	Metre	
5	Constructing brick masonry manhole in cement mortar 1: (1 cement : 2 coarse sand) R.C.C top slab with 1:2:4. Mix. I (cement : 2 coarse sans: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design:		
a)	Inside size 90x80 cm and 45 cm deep with S.F.R.C cover and frame (medium duty)	Each	
	With F.P.S bricks class designation 75		
6	Providing and fixing in position precast R.C.C manhole cover and frame of required shape and approved quality		
7	Providing and fixing in position precast R.C.C manhole cover of required shape and approved quality	Each	
8	Providing & fixing 100 mm C.I.P trap	Each	
9	Providing & fixing 100 by 80 mm floor trap complete	Each	
10	Providing and fixing 300 by 300 mm G.T. Cover	Each	
	SANITARY INSTALLATIONS		
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 controlling device (handle over) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:		
	White vitreous china pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	
2	Providing and fixing white vitreous china pedestal type water		



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	closet (European type W.C pan) with seat and lid, 10 litre, low level white P.V.C flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS 7231, with all fitting fixture complete, including cutting and making good the walls and floor wherever required:		
	W.C pan with ISI marked white solid plastic seat and lid	Each	
3	Providing and fixing white various china flat back stall urinal of size 580x380x350 mm with fillings, spreaders with union and clamps with waste fittings including painting of fittings and cutting and making good the walls and floors whenever required		
	Half stall urinal	Each	
4	Providing and fixing wash basin with C.I. brackets, 15 mm C.P brass pillar taps, 32 mm C.P. brass waste of standards pattern, including painting of fitting and brackets, cutting and making good the walls whenever required;		
	White vitreous China flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	Each	
5.	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel pug 40 mm including painting of fitting and brackets, cutting and making good the walla wherever required :		
	Kitchen sink with drain board 610x460 mm bowl depth 20 mm.	Each	
6	Providing and fixing water closet squatting pan with 100 mm sand cast iron P or S trap, including cutting and making good the walls and floors wherever required:		
	White Vitreos China Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	Each	
7	Providing and fixing white vitreous china laboratory sink with C.I. brackets C.P. brass chain with rubber plug, 40 mm C.P brass waste complete , including painting and fitting and brackets, cutting and making good the wall where ever required.		
	a) Size 450x300x150 mm b)Size 600x450x200 mm	Each Each	
8	Providing and fixing P.V.C low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231 with all fitting and fixtures complete		
	10 litre capacity- white	Each	
9	Providing and fixing P.V.C. wastepipe for sink or wash basin including P.V.C. waste fittings complete flexible pipe-32 mm dia.	Each	
10	Providing and fixing soil, waste and vent pipes		
a)	100 mm dia. Sand cast iron S&S pipe as per IS : 1729	Metre	
b)	75 mm dia. Sand cast iron S&S pipe as per IS : 1729	Metre	



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11	Providing and fixing M.S. holder-bat clamps of approved design to sand cast iron / cast iron (spun) pipe embedded in and including cement concrete block 10x10x10 cm of 1:2:4 mix(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including coat of cutting holes and making good the walls etc.		
a)	For 100 mm dia. Pipe	Each	
b)	For 75 mm dia. Pipe	Each	
12	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1;2 (1 cement : 2 fine sand) in S.C/C.I pipes:		
a)	75 mm dia. Pipe	Each	
b)	100 mm dia. pipe	Each	
13	Providing and fixing bend of required degree with across door, insertion rubber washer 3 mm thick, bolt and nuts complete		
a)	100 mm dia. Sand cast iron S&S as per IS- 1729	Each	
b)	75 mm dia. Sand cast iron S&S as per IS- 1729	Each	
14	Providing and fixing plain bend of required degree.		
a)	100 mm dia. Sand cast iron S&S as per IS- 1729	Each	
b)	75 mm dia. Sand cast iron S&S as per IS- 1729	Each	
15	Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.		
a)	100x100x100x100 mm sand cast iron S&S as per IS- 1729	Each	
b)	75x75x75x75 mm sand cast iron S&S as per IS- 1729	Each	
16	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work:		
a)	100 mm diameter pipe	Metre	
b)	75 mm diameter pipe	Metre	
17	Providing and fixing P.V.C. pipes complete including necessary cutting of pipes, jointing with solvent cement including testing, commissioning of pipe lines.		
a)	100 mm dia,	Metre	
b)	75 mm dia.	Metre	
18	Providing and fixing P.V.C. pipes complete including necessary cutting of pipes, jointing with solvent cement including testing, commissioning of pipe lines for 100 mm nominal outside diameter pipes.		
a)	Bend	Each	
b)	Door Bend	Each	



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c)	Door Tee	Each	
19	Providing and fixing P.V.C. pipes complete including necessary cutting of pipes, jointing with solvent cement including testing, commissioning of pipe lines for 75 mm nominal outside diameter pipes.		
a)	Bend	Each	
b)	Door Bend	Each	
c)	Door Tee	Each	
DISMANTLING AND DEMOLISHING			
1	Demolishing cement concrete manually/by medial means including disposal of material within 50 metres lead us per direction of Engineer-in-charge		
a)	1:3:6 or richer mix	Cum	
b)	1:4:8 or leaner mix	Cum	
2	Demolishing brick work manually/by mechanical means including sracking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-of- Charge		
	In cement mortar	Cum	
3	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge		
a)	15 mm and 40 mm nominal bore	Metre	
b)	Above 40 mm nominal lead	Metre	
10	Dismantling of flushing cistern of any size including stacking of useful material near the site and disposal of unserviceable materials within 50 metres lead	Each	



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S.NO	DESCRIPTION	UNIT	NEW WORK RATE	OLD WORK RATE
1	White washing with lime to given an even shade: (two or more coats)	Sq. ft.		
2	Colour washing with lime to given an even shade: (two or more coats)	Sq. ft.		
3	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.	Sq. ft.		
4	Finishing walls with water proofing cement paint of required shade: (one or more coats)	Sq. ft.		
5	Finishing walls with premium acrylic smooth exterior paint with silikon additives of required shade. (one or more coats)	Sq. ft.		
6	Wall painting with plastic emulsion paint of approved brand and manufacture to given an even shade : (one or more coats)	Sq. ft.		
7	Painting (two or more coats) on rain water, soil, waste and vent pipes and fitting with synthetic enamel paint of approved brand and manufacture and required. 1) 100 mm diameter pipes 2) 75 mm diameter pipes	R.ft		
8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade (one or more coats)	Sq. ft.		
9	French spirit polishing (one or more coats)	Sq. ft.		
10	Melamine polishing (one or more coats)	Sq. ft.		
11	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the platered wall surface to prepare the surface even and smooth complete	Sq. ft.		
12	Polish Easy wooden chair with material	Each		
13	polish office wooden chair with material	Each		
14	Stool- (Painting work) with material	Each		
15	Painting G.I Pipe-1/2" to 1" Diameter with material	R.ft		