

Construction of 1st and 2nd floor of Department Block No. IV at College of Engineering, Thalassery

Tender Schedule (Civil work)

Sl.No.	Quantity	Description	Unit	Rate	Amount
	80 m ³	Earth work excavation by mechanical means (Hydraulic excavator)/Manual means over areas (exceeding 30 cm depth 1.5m 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 Ordinary rock (SH- 2.7.1)	m ³	Rs.312.00 (Rs.Three hundred and twelve only)	24,960
1	50 m ³	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in 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 up to 1.5 m, including back filling, getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil (SH: 2.8.1)	m ³	Rs.172.00 (Rs.One hundred and seventy two only)	8,600
2	295 m ³	Supplying and filling contractor's own cut earth gravel conveyed from convenient place with all lead and lift including ramming and consolidating in layers as per direction of Engineer-in charge	m ³	Rs.515.00 (Rs.Five hundred and fifteen only)	1,51,925
3	30 m ³	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 sand : 8 graded stone aggregate 40mm nominal size) (SH: 4.1.8)	m ³	Rs.5629.30 (Rs.Five thousand six hundred and twenty nine and paise thirty)	1,68,879
4	32 m ³	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All works upto plinth level: 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) (SH: 4.1.6)	m ³	Rs.5993.00 (Rs.Five thousand nine hundred and ninety three only)	1,91,776

Contractor:

5	10 m3	Providing and laying in position machine batched and machine mixed design M-25 grade concrete for reinforced cement concrete works,using cement content as per approved design mix including pumping of concrete to site of laying but excluding the cost of centering shuttering finishing and reinforcement including admixtures in recommended proportions as per IS 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per the direction of engineer in charge>Note:-Cement content considered in this item is @330 kg/cum.Excess/less cement used as per design mix is payable/recoverable separately(for all work upto plinth Level I) (SH: 5.33.1) For footing of Rt.wall, footing of columns upto plinth level,plinth beam,septic tank,sump etc.	m3	Rs.7832.15 (Rs.Seven thousand eight hundred and thirty and paise fifteen)	78,321
	440 m3	Reinforced cement concrete work upto five floor level excluding cost of centering, shuttering, finishing and reinforcement: (M-20) CC 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) (SH: 5.2.2) (for columns., lintels, beams, drop slab, stair case, floor slab etc)	m3	Rs.8539.40 (Rs.Eight thousand five hundred and thirty nine and paise forty)	37,56,456
	45 m3	Reinforced cement concrete work upto five floor level excluding cost of centering, shuttering, finishing and reinforcement: (M-15) CC 1:2:4 (1 cement : 2 coarse sand : 3graded stone aggregate 20 mm nominal size) (SH: 5.5) (for slope sunshade)	m3	Rs.8,005.40 (Rs.Eight thousand and five and paise forty)	3,60,243
	10 m2	Centering and shuttering including strutting,propping etc and removal of form for: Foundations,footings,bases of columns,etc for mass concrete (SH: 5.9.1)	m2	Rs.215.00 (Rs. Two hundred and fifteen only)	2,150
	810 m2	Centering and shuttering including strutting,propping etc and removal of form for: Walls (any thickness) including attached pilasters, buttresses,plinth and string courses etc (SH: 5.9.2)	m2	Rs.424.40 (Rs.Four hundred and twentyfour and paise forty)	3,43,764

Contractor:

2250 m2	Centering and shuttering including strutting,propping etc and removal of form for: Suspended floor, roofs, landings, balconies and access platform (SH: 5.9.3)		Rs.476.70 (Rs.four hundred and seventy six and paise seventy)	10,72,575
1650 m2	Centering and shuttering including strutting,propping etc and removal of form for: Lintels,beams,plinth beams,girders,bressumers and cantilevers (SH: 5.9.5)	m2	Rs.386.40 (Rs.Three hundred and eighty six and paise forty)	6,37,560
880 m2	Centering and shuttering including strutting,propping etc and removal of form for: Columns, Pillars, Piers Abutments, Posts and struts (SH: 5.9.6)	m2	Rs.521.20 (Rs.Five hundred and twenty one and paise twenty)	4,58,656
170 m2	Centering and shuttering including strutting,propping etc and removal of form for: Small lintels not exceeding 1.5m clear span, moulding as in corni es, window sills, string courses, bands, coping, bed plates, anchor block and the like (SH: 5.9.15)	m2	Rs.215.00 (Rs. Two hundred and fifteen only)	36,550
46 m2	Centering and shuttering including strutting,propping etc and removal of form for: Stairs (excluding landings) except spiral stiarcases (SH:5.9.7)	m2	Rs.434.65 (Rs.Four hundred and theirtyfour and paise sixty five)	19,994
1500 m	Centering and shuttering including strutting,propping etc and removal of form for: Edges of slab and breaks in floors and walls under 20 cm wide (SH: 5.9.16.1)	m	Rss.126.00 (Rs.One hundred and twentysix only)	1,89,000
70,000 kg	Steel reinforcement for RCC work including straigtening ,cutting ,bending ,placing in position and binding all complete level-(Thermo-Mechanically-Treated bars) (SH: 5.22A.6)	kg	Rs.73.55 (Rs.Seventy three and paise fifty five)	51,48,500
750 m3	Laterite neatly dressed stone of size 35cm x 20cm x 20cm in cement mortar 1:6 including all cost of materials, labour, conveyance of materials, watering, curing and inclusive of scaffolding charges etc. complete: for foundation and basement	m3	Rs.4227.50 (Rs.Four thousand two hundred and twenty seven and paise fifty)	2,36,740

Contractor:

20 m3	Laterite neatly dressed stone of size 35cm x 20cm x 20cm in cement mortar 1:6 including all cost of materials, labour, conveyance of materials, watering, curing and inclusive of scaffolding charges etc. complete: for Superstructure works in Ground floor	m3	Rs.4354.10 (Rs.Four thousand three hundred and fifty four and paise ten)	87,082
175 m3	Laterite neatly dressed stone of size 35cm x 20cm x 20cm in cement mortar 1:6 including all cost of materials, labour, conveyance of materials, watering, curing and inclusive of scaffolding charges etc. complete: for Super structure works in first floor	m3	Rs.4,480.60 (Rs.Four thousand four hundred and eighty and paise sixty)	7,84,105
165 m3	Laterite neatly dressed stone of size 35cm x 20cm x 20cm in cement mortar 1:6 including all cost of materials, labour, conveyance of materials, watering, curing and inclusive of scaffolding charges etc. complete: for Superstructure works in second floor	m3	Rs.4,607.15 (Rs.Four thousand six hundred and seven and paise fifteen)	7,60,180
18 m3	Laterite neatly dressed stone of size 35cm x 20cm x 20cm in cement mortar 1:6 including all cost of materials, labour, conveyance of materials, watering, curing and inclusive of scaffolding charges etc. complete: for Superstructure works in third floor	m3	Rs.4,733.70 (Rs. Four thousand seven hundred and thirty three and paise seventy)	85,207
2 m3	Do. Do. Using stone of size 29 x 20 x 14 cm a per above specification for partition wall in first floor	m3	Rs.5,029.20 (Rs. Five thousand and twenty nine and paise twenty)	10,058
2 m3	Do. Do. Using stone of size 29 x 20 x 14 cm a per above specification for partition wall in second floor	m3	Rs.5,155.70 (Rs.Five thousand one hundred and fifty five and paise seventy)	10,311
2.6 m3	Providing wood work with well seasoned good quality IRUL WOOD 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 fastener shall be paid for seperately)- (SH: 9.1.1)	m3	Rs,72,963.30 (Rs.Seventy two thousand nine hundred and sixty three and paise thirty)	1,45,927

Contractor:

7100 kg	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with rawl plugs screws etc (SH: 9.48.2)	kg	Rs.136.90 (Rs.One hundred and thirtysix and paise ninety)	9,71,990
100 m2	Providing and fixing panelled or panelled and glazed shutters for doors ,windows and clerestery windows ,including ISI marked MS pressed butt hinges bright finished of required size with necessary screws ,excluding panelling which will be paid for seperately ,all complete as per direction of Engineer -in-charge (Good quality PINCODA wood-35mm thick shutters)-(SH: 9.5.1.1)	m2	Rs.2091.00 (Rs.Two thousand and ninety one only)	2,09,100
65 m2	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors ,windows and clerestory windows(Area of opening for panel inserts excluding portion inside grooves or rebates to be measured)Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick- using good quality IRUL WOOD (SH: 9.7.1)	m2	Rs.1651.00 (Rs.One thousand six hundred and fifty one only)	1,07,315
80 m3	Providing and fixing factory made uPVC door frame made of uPVC extruded sections of size 65mm x 55mm with wall thickness 2 mm (+/-0.2mm) corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws reinforcing hinge side vertical of the frames with PVC profile of size 28mm x 30mm having wall thickness 2 mm (+/-0.2 mm) including providing and fixing 3 nos of 125mm long stainless steel hinges to the frame ,fixing the frame with jamb with required number &size of anchor dash fasteners ,all	m	Rs.403.10 (Rs.Four hundred and three and paise ten)	32,248

Contractor:

26 m2	Providing and fixing 37 mm thick factory made PVC door shutter ,styles and rails made of PVC hollow section of size 100mm x 37mm with wall thickness 2 mm (+/-0.2mm)with inbuilt head on one side, styles and rails miltered cut and joint at the corners by means of 2 nos of plastic brackets of size 75mm x 220mm at each corner and stainless steel screws ,reinforcing the hinge side of style by inserting PVC profiles of size 28mm x 30mm, with wal thickness (+/-0.2mm).Lock rail of size 100mm x 37mm, wall thickness 2 mm (+/-0.2mm) will be fixed to the vertcal styles ,providing with PVC snapfit beads and panel of size 100mm x 20mm ,and inserting 2 nos tie bar of 6mm dia and fastening with nuts and washers complete ,all as per manufacturers specifications and direction of Engineer -in-charge (SH: 9.144)	m2	Rs.2,658.00 (Rs. Two thousand six hundred and fifty eight only)	79,740
5 m2	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm aangle iron and 3mm M.S.gusset plates at the junctions and corners, all necessary fittings complete inclusive of cutting, welding and fixing in position etc including applying a priming coat of approved steel primer: Using M.S.angles 40x40x6mm for diagonal brases (SH: 10.5.1)	m2	Rs.3348.00 (Rs.Three thousand three hundred and forty eight only)	16,740
1800 kg	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : Powder coated aluminium (minimum thickness of powder coating 50 micron) (SH.21.1.1.2)	kg	Rs.358.15 (Rs.Three hundred and fiftyeight and paise fifteen)	6,44,670

Contractor:

1700 kg	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminium (minimum thickness of powder coating 50 micron) (SH: 21.1.2.2)	kg	Rs.423.15 (Rs.Four hundred and twentythree and paise fifteen)	7,19,355
210 m2	Providing and fixing glazing in aluminium doors, windows, ventilator , shutters & partitions etc. complete with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge (cost of aluminium snap bedding shall be paid in basic item): with float glass panes of 4mm thickness (SH: 21.3.1)	m2	Rs.891.10 (Rs.Eight hundred and ninetyone and paise ten)	1,87,131
	Providing and fixing 12 mm thick prelaminated particle board flat presed three layer or graded wood particle board conforming to IS:12823 Grade I type II, in panelling fixing in aluminium 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: Pre-laminated board with decdorative lamination on both sides (SH : 21.2.2)	m2	Rs.1,155.50 (Rs.One thousand one hundred and fiftyfive and paise fifty)	86,663
5900 m2	Plastering with cement mortar 1:4 (1 cement,4 fine sand) , 12mm thick, one coat to the internal and external walls including all costs of materials and labour charges watering , curing etc complete (SH: 13.1.1)	m2	Rs.214.30 (Rs.Two hundred and fourteen and paise thirty)	12,64,370
3600 m2	Plastering(cement plaster) with CM 1:3 (1 cement, 3 fine sand) 6mm thick , to the under side of roof slab including all cost of materials and labour charges, watering, curing etc complete (SH: 13.16.1)	m2	Rs.154.40 (Rs.One hundred and fifty four and paise forty)	5,55,840
320 m2	Plastering (cement plaster) with CM 1:3 (1 cement, 3 fine sand) finished with a floaing coat of neat cement , 12 mm thick, to the top of roof slab including all cost of materials and labour charges etc complete (SH: 13.7.1)	m2	Rs.270.40 (Rs.Two hundred and seventy and paise forty)	86,528

Contractor:

550 m2	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturer(SH: 13.21) on the top of roof slab and flat sunshade etc.	m2	Rs.5.50 (Rs.Five and paise fifty)	3,025
1850 m2	Providing and laying vitriified floor tiles in defferent 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 course sand),including grouting the joints with white cement and matching pigments etc,complete(Size of tile 600 x 600 mm) (SH:11.41.2)	m2	Rs.1,548.80 (Rs.One thousand five hundred and forty eight and paise eighty)	28,65,280
100 m2	Providing and laying vitriified floor tiles in defferent 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, in skirting, steps, riser of steps etc. over 12 mm thick cement mortar 1:3(1 cement ,3 course sand),including grouting the joints with white cement and matching pigments etc,complete(Size of tile 600 x 600 mm) (SH:11.46.2)	m2	Rs.1542.00 (Rs.One thousand five hundred and forty two only)	1,54,200
85 m2	Providing and laying granite flooring using 18 mm thick granite , flooring laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Black granite area of slab above 0.50sqm (SH: 8.2.2.2)	m2	Rs.3,766.40 (Rs.Three thousand seven hundred and sixty six and paise forty)	3,20,144
200 m	Extra for Providing edge moulding to 18mm thick marble/granite stone counters, vanities etc including machine polishing to edge to give high gloss finish etc. complete a per deign approved by the Engineer-in charge Granite work (SH: 8.3.2)	m	Rs.321.20 (Rs.Three hundred and twenty one and paise twenty)	64,240

Contractor:

75 m2	Providing and laying Ceramic glazed floor tiles of size 300 x 300mm (thickness to be specified by the manufacturer), of 1st quality confirming to IS :15622, of approved make, in colours such as White,Ivory,Grey,Fume Red Brown,laid on 20mm thick cement mortar 1:4 (1 cement:4 course sand),including pointing the joints with white cement and matching pigment ,etc complete (SH:11.37)	m2	Rs.912.00 (Rs.Nine hundred and twelve only)	68,400
290 m2	Providing and fixing 1st quality ceramic glazed wall tiles confirming to IS :15622(thickness to be specified by 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 or steps and dados,over 12 mm thick bed of cement mortar 1:3 (1 cement :3 course sand)and jointing with grey cement slurry @3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete (SH: 11.36)	m2	Rs.978.20 (Rs.Nine hundred and seventy eight and paise twenty)	2,83,678
50 m2	Providing and laying designer tiles of approved quality and colour for external use laid over cement mortar 1:4, 20mm thick to correct line and level including pointing the joints with white cement and matching pigment etc. complete	m2	Rs.1087.00 (Rs.One thousand and eighty seven only)	54,350
170 m2	Providing and laying interlocking cobbles 75mm thick (standard) minimum strength 4 kg sqm over sand bed 30mm including all labour, materials etc as per direction of engineer-in-charge	m2	Rs.843.70 (Rs. Eight hundred and forty three and paise seventy)	1,43,429

Contractor:

320 kg	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.). (SH : 10.28)	kg	Rs.592.30 (Rs. Five hundred and twenty nine and paise thirty)	1,89,536
320 kg	Providing and fixing hand rail pipe over parapet wall at cut out using 40mm M.S.pipe including cutting, welding, costof materials, conveyance e, labour etc. complete	kg	Rs.104.20	33,344
9500 m2	Painting with plastic emulsion paint tow or more coat over a priming coat of cement primer one coat approved quality and manufacture to give an even shade including all of materials, labour, scaffolding etc complete. Two or more coats on new work (SH: 13.60.1)	m2	Rs.82.00 (Rs.Eighty two only)	7,79,000
370 m2	Painting steel work with Deluxe Multy Surface Paint to give an even shade, two or more coat applied @ 0.9 lit/10 sqm over an undercoat of primer applied @ 0.8 lit/10sqm of approved brand and manufacture (SH: 13.48.2)	m2	Rs.92.00 (Rs.Ninety two only)	34,040
230 m2	Painting ith synthetic enamel paint of approved brand and manufacture of requirede colour to give an even shade: Two or more coat on new work over an under coat of suitable shade ordinary paint of approved brand and manufacture (SH: 13.62.1)	m2	Rs. 106.30 (Rs.One hundred and six nd paise thirty)	24,449
300 kg	Dismantling steel work manually/by mechanical means in built up sections without dismembering and stacking within 50 m ahead as per direction of Engineer-in-charge (SH: 15.19)	kg	Rs.1.85 (Rs.One and paise eighty fiv)	555

Contractor:

450 kg	Dismantling steel work in single sections including dimembering and stacking with in 50 m lead in : Channels, angles tees and falts (SH: 115.117.2)	kg	Rs.1.07 (Rs. One and paise seven)	482
125 m2	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 m lead of: Other than G.S.Sheet	m2	Rs.38.75 (Rs.Thirty eight and paise seventy five)	4,844
15 m3	Demolishing brick/Laterite work manually/by mechanical means including stacking of serviceable materials and disposal of unserviceable material within 50 m lead as per direction of Engineer-in-charge: In cement mortar (SH: 15.7.4)	m3	Rs.978.25 (Rs.Nine hundred and seventy eight and paise twenty five)	14,674
275 kg	Refixing the existing steel truss over cut out portion over second floor roof including labour charges, cost of replacing the damaged portions while dismantling and fixing in position as per direction.	kg	Rs.2.30 (Rs.Two and paise thirty)	633
70 m2	Providing best quality Poly carbonate sheet 6mm thick sheets roofing upto any pitch and fixing with polymer coated J or L hooks ,bolts and nuts 8 mm dia GI plain and bitumen washers or with self drilling fastener and EPDM washers etc complete (excluding the cost of purlin ,rafters and trusses),including cutting sheets to size and shape wherever required (based on SH: 12.8)	m2	Rs.2,600.50 (Rs.Two thousand six hundred and paise fifty)	1,82,035
4,000 kg	Steel work in built up tubular (round,square, or rectangular hollow tubes etc)including cutting ,hoisting , fixing in position and applying a priming coat of approved steel primer,including welding and bolted with special shaped washers etc complete.(Hot finished welded type tubes) (Based on SH: 10.16.1)	kg	Rs.102.60 (Rs.One hundred and two and paise sixty)	4,10,400
350 m2	Providing Aluminium trafford profile sheet - power coated sheet of 1mm thick to line and level for roofing upto any pitch and fixing the sheet using J or L hooks, bolt and nuts 8mm dia G.I.plain and bitumen washer or with self drilling fastener and EPDM washers etc. complete (excluding cost of purlins, rafters, trusses) including cutting sheet to size and shape wherever required	m2	Rs.886.30 (Rs. Eight hundred and eightysix and paise thirty)	3,10,205

Contractor:

	2260 m2	Providing ceiling with synthetic or equivalent make laminated PVC Shweewt 6mm thick (hollow type with inter locking provision) using 25 mm x 25 mm aluminium angle at edges and 37 x25mm aluminium 'T' channels at 75 cm centre to centre and fixed to the truss work using 6mm G.,I. wire and fixing 235 mm size PVC batten on the sides of wall for fixing the frames including all labour, cost of materials, scaffolding charges etc. complete as per the direction of the Engineer-in-charge	m2	Rs.1203.70 (Rs.One thousand two hundred and three and paise seventy)	3,12,962
		Supplying and fixing following furniture fitting to doors and window including cost of fittings, screws and labour charge etc complete			
a.	125 nos	300mm Aluminium barrel tower bolt	Each	Rs.108.40 (Rs.One hundred and eight and paise forty)	13,550
b.	35 Nos.	150mm or nearest size aluminium barrel tower bolt	Each	Rs.64.85 (Rs.Sixty four and paise eighty five)	2,272
c.	30 Nos.	300mm Aluminium aldrop (heavy type)	Each	Rs.226.40 (Rs.Two hundred and twenty six and paise forty)	6,792
d.	10 Nos.	250mm Aluminium aldrop	Each	Rs.188.00 (Rs.One hundred and eighty eight only)	1,880
e.	20 Nos.	200 mm Aluminium aldrops	Each	Rs.115.80 (Rs.One hundred and fifteen and paise eighty)	2,316
f.	60 Nos.	200 mm Aluminium door handle	Each	Rs.89.20 (Rs.Eighty nine and paise twenty)	4,906
g.	40 Nos.	65mm pad lock with 7 lever -best quality	Each	Rs.265.00 (Rs.Two hundred and sixty five only)	9,275
h.	20 Nos.	50mm pad lock with 6 levers - best quality	Each	Rs.171.35 (Rs.One hundred and seventy one and paise thirty five)	2,742
i.	1600 Nos.	Steel screws - 30mm size	10 Nos.	Rs.13.80 (Rs.Thirteen and paise eighty)	22,080
j.	150 Nos	M.S.Hold fasts made out of 50 x 6mm flat 300mm long with drilled holes for providing screws.	Each	Rs.128.85 (Rs.One hundred and twenty eight and paise eighty five)	19,328

Contractor:

		Providing and fixing poly vinyl chloride(PVC) pipes,having thermal stability for hot & cold water supply, including all PVC plain&brass threaded fittings .This includes jointing of pipes & fittings,with one step PVC solvent cement ,trenching,re-filling & testing of joints complete as per direction of Engineer-in-charge, internal work work exposed on walls			
	50 m	a. 20 mm nominal outer dia PVCpipe (12 kgf/cm2)	m	Rs.125.30 (Rs.One hundred and twenty five and paise thirty)	6,265
	50 m	b. 25 mm nominal outer dia PVCpipe (10 kgf/cm2)	m	Rs.130.65 (Rs.One hundred and thirty and p[aise sixtyfive)	6,533
	100 m	c. 32 mm nominal outer dia PVCpipe (10kgf/cm2)	m	Rs.161.75 (Rs.One hundred and sixty one and paise seventy five)	16,175
	20 m	d. 40 mm nominal outer dia PVCpipe (10kgf/cm2)	m	Rs.225.30 (Rs.Two hundred and twenty five and paise thirty)	4,506
	10 m	e. 50 mm nominal outer dia PVCpipe (10kgf/cm2)	m	Rs.246.70 (Rs.Two hundred and forty six and paise seventy)	2,467
		Providing and fixing poly vinyl chloride(PVC) pipes,having thermal stability for hot & cold water supply, including all PVC plain&brass threaded fittings i/c fixing the pipe with clamps at 1m spacing.This includes jointing of pipes & fittings,with one step PVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer- in- charge, concealed work ,including cutting chases and making good the wall etc			
	30 m	a. 20 mm nominal outer dia PVCpipe(10 kgf/cm2)	m	Rs.221.50 (Rs.Two hundred and twenty one and paise fifty)	6,645
	10 m	b. 25 mm nominal outer dia PVCpipe(10 kgf/cm2)	m	Rs.226.80 (Rs.Two hundred and twentysix and paise eighty)	2,268
		Providing and fixing poly vinyl chloride(PVC) pipes,having thermal stability for hot & cold water supply, including all PVC plain&brass threaded fittings .This includes jointing of pipes & fittings,with one step PVC solvent cement ,trenching,re-filling & testing of joints complete as per direction of Engineer-in-charge, external work			

Contractor:

	50 m	c. 50 mm nominal outer dia pipes(10kgf/cm2)	m	Rs.172.00 (Rs.One hundred and seventytwo only)	8,600
	70 m	d. 62.5 mm nominal outer dia pipes(10kgf/cm2)	m	Rs.231.40 (Rs.Twohundred and thirty one nd paise forty)	16,198
		Providing and fixing poly vinyl chloride(PVC) pipes, having thermal stability for hot & cold water supply, including all PVC plain&brass threaded fittings .This includes jointing of pipes & fittings, with one step PVC solvent cement ,trenching, re-filling & testing of joints complete as per direction of Engineer-in-charge, external work			
	120 m	a. 110 mm dia (6 kgf/cm2 - for line work)	m	Rs.425.85 (Rs.Four hundred and twenty five and paise eighty five)	51,102
	100 m	b. 75 mm dia (6 kgf/cm2 - for line work)	m	Rs.240.00 (Rs.Two hundred and forty only)	24,000
	50 m	c. 63 mm mm dia (4 kgf/cm2 - for line work)	m	Rs.202.15 (Rs.Two hundred and two and paise fifteen)	10,108
		Providing and fixing poly vinyl chloride(PVC) pipes, having thermal stability for hot & cold water supply, including all PVC plain&brass threaded fittings .This includes jointing of pipes & fittings, with one step PVC solvent cement ,trenching, re-filling & testing of joints complete as per direction of Engineer-in-charge, external work			
	250 m	a. 110 mm dia (4 kgf/cm2 - for sewage line work)	m	Rs.244.90 (Rs. Two hundred and forty four and paise ninety)	61225
	2 nos.	Providing and fixing white vitreous china pedestal type water closet(European type) with seat and lid ,10 litre low level white vetreous china flushing cistern &Cpflush bend with fittings &CI brackets,40mm flush bend overflow arrangement with specials of standared make and mosquito proof coupl,ing of approved municipal design complete ,including painting of fittings and brackets,cutting and making good the walls and floors wherever required - WC pan with ISI marked black solid plastic seat and lid (SH: 17.2.2)	Each	Rs.3779.85 (Rs.Three thousand seven hundred and seventy nine and paise eightyfive)	7,560

Contractor:

14 Nos.	Providing and fixing water closet squatting pan(Indian type WC pan)with 100 mm sand cast Iron P or S trap,10 litre low levelwhite PVC flushing cistern,including flush pipe ,manually controlled device(handle lever)conforming to IS:7231, with all fittings and fixtures complete,including cutting and making good the walls and floors wherever required- White Vitreous china orissa pattern WC pan of size580 x 440mm with integral type foot rests (SH: 17.1.1)	Each	Rs.3,857.50 (R.Three thousand eih hundred and fiftyseven and paise fifty)	54,005
6 Nos.	Providing and fixing white vitreous chine flat back half stall urinal of size 580 x 380 x 350 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 waste fittings as per IS:2556, C.I.trap wiht outlet grating and other couplings in C.P.brass, including painting of fittings and cutting and making good the walls and floors wwherever required - Single half stall urinal with 5 litre PVC automatic flushing cistern (SH : 17.5.1)	Each	Rs.7,451.00 (Rs.Seven thousand four hundred and fiftyone Only)	44,706
12 Nos	Providing and fixing wash basin with CI brackets ,15 mm CP brass pillar taps,32mm CP brass waste of standared pattern ,including painting of fittings and brackets ,cuttings and making good the walls wherever require - White vetreous china wash basin 550 x 400 mm or nearest size with 15 mm CP brass pillar tap (SH: 17.7.3)	Each	Rs.2,061.35 (Rs.Two thousand and sixty one and paise thirty five)	24,736
16 Nos	Supplying and fixing mirror of superior qualityand of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing - Reectangular shape 453 x 357mm (SH: 17.32.2)	Each	Rs.805.45 (Rs.Eight hundred and five and paise forty five)	12,887
16 Noos.	Supplying and fixing PTMT 600 mm Towel rod of approved quality including all cost of materials and labour charges for fixing etc complete (SH:17.73.2)	Each	Rs.548.60 (Rs.Five hundred and forty eight and paise sixty)	8,778
	Supplying and installing following PVC ball/gate valve with ISI marking as diected by the Engineer -in charge			
5 Nos	a. 63 mm or nearest size PVC Valve	Each	Rs.178.25 (Rs.One hundred and seventyeight and paise twentyfive)	891

Contractor:

4 Nos	b. 50 mm or nearest size PVC Valve	Each	Rs.148.80 (Rs.One hundred and fortyeight and paise eighty)	595
4 Nos	c. 32 mm or nearest size PVC Valve	Each	Rs.102.35 (Rs.One hundred and two and paise thirtyfive)	409
10 Nos	d. 25 mm or nearest size PVC Valve	Each	Rs.53.80 (Rs.Fiftythree and paise eighty)	538
6 Nos	e. 20 mm or nearest size PVC Valve	Each	Rs.34.00 (Rs.Thirtyfour only)	204
20 Nos.	Providing and fixing CP brass long body bib cock of approved quality coforming to IS standards and weighing not lessthan 690gms- 15mm nominal bore (SH: 18.53.1)	Each	Rs.519.00 (Rs. Five hundred and nineteen only)	10,380
35 Nos.	Providing and fixing CP brass Angle valve for basin mixer and geyser points of approved quality conforming to IS :8931 -(15mm nominal bore)	Each	Rs.519.00 (Rs. Five hundred and nineteen only)	18,165
5 Nos.	Providing and fixing CP brass bib cock of approved quality coforming to IS::8931-(15 mm nominal bore) (SH: 18.49.1)	Each	Rs414.90 (Rs.Four hundred and fourteen and paise ninety))	2,075
24 Nos.	Providing and fixing 110 mm dia. Multiple inlet with PVC floor trap of approved quality	Each	Rs.174.25 (Rs.One hundred and twelve and paise ninety)	4,182
4,000 Litre	Providing and placing on terrace (at all floor levels)polyethylene water storage tank ISI ; 12701 marked ,with cover and suitable locking arrangements and making necessary holes for inlet ,outlet and over flow pipes but without fittings and the base support for tank.750 litre capacity (SH: 18.48)	Litre	Rs.5.60 (Rs.Five and paise sixty)	22,400

Estimate P.A.C

2,64,98,858

(Rs. Two crore sixty four lakh ninetyeight thousand eight hundred and fiftyeight only)

Sd/-
Director.

Contractor: