

REF:DAV/02240/2025					September 3rd, 2025		
ABSTRACT OF COST FOR PHE WORKS (BOYS TOILET)							
AT D.A.V PUBLIC SCHOOL, MAHESHKHUNT (KHAGARIA)							
FOR FINANCIAL APPROVAL ONLY							
BASED ON S.O.R. B.C.D.GOV.T. OF BIHAR EFFECTIVE FROM 2022/MR							
SL.NO.			DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
			CIVIL WORKS				
1	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:					
	15.7.4	In cement mortar	Cum	1.05			
2	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.					
	15.23.1	For thickness of tiles 10 mm to 25 mm	Sqm	72.46			
3	15.60	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 50 m initial lead. for all leads including all lifts involved	Cum	1.70			
4	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :					
	6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	3.48			
5	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete	Sqm	105.35			
6	11.38	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such shades except white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete	Sqm	23.41			
7	8.2	Providing and fixing 18 mm 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 20 mm thick base cement mortar 1:4 (1 cement : 4coarse 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.					
	8.2.2	Granite of any colour and shade					
	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	2.97			
8	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type,core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:					
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	10.45			

9	10.44	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer In charge	Kg	67.16			
10	5.3	Reinforced cement concrete work in beams,suspended floors, roofs having slope upto 15, landings,balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	Cum	0.12			
	A	SANITARY INSTALLATION					
11	SOR. 17.1	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 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 pattern W.C pan of size 580 x 440 mm with integral type foot rests.	Each	4.00			
12	SOR 17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P flush bend with fittings & C.I brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required:					
	17.3.1	W.C pan with ISI marked white solid plastic seat and lid	Each	12.00			
13	SOR 17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions G.I. clamps, complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:					
	17.4.3	Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern	Each	4.00			
14	SOR 8.10	Providing and fixing stone slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth.					
	8.10.1	White Agaria Marble Stone	Sqm	4.50			
15	MR	Providing and fixing counter basin size- (mm) 190x550x430 (Jaquar,CAT NO- FLS-wht-5701) including fixing and all accessories as per manufacturers specification and direction of Engineer-in-charge.	Each	8.00			
16	SOR 17.7	Providing and fixing wash basin with C.I brackets, 15mm C.P brass pillar taps, 32mm C.P brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					
	17.7.1	White Vitreous China Wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps.	Each	4.00			

17	SOR 17.31	Providing and fixing 600X450mm beveled edge mirror of superior glass complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws & washers complete.	Each	12.00			
18	SOR 17.34	Providing and fixing Toilet Paper holder					
	17.34.2	Vitreous china	Each	12.00			
19	SOR 17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.					
	17.70.1	Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260 gms.	Each	4.00			
20	SOR 17.71	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not less than 105 gms.	Each	12.00			
21	SOR 17.72	Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colour. Weighing not less than 88 gms.	Each	8.00			
22	MR	Providing and fixing PVC Soil ,Waste & vent pipes all complete					
		110 mm dia	metre	124.00			
		40 mm dia	metre	40.00			
23	MR	Providing and fixing PVC fittings all complete as/specification & direction of E/I					
		110 mm vent cowl	Each	3.00			
		110 mm plain bend	Each	18.00			
		110 mm door bend	Each	3.00			
		110 mm dia X 45 Bend	Each	14.00			
		110 X 110 mm dia plain - y	Each	26.00			
		110 X 110 mm dia door tee	Each	9.00			
		110 X 110 mm dia plain tee	Each	4.00			
		110 mm pipe clip	Each	48.00			
		110 X 110 mm dia p-trap	Each	22.00			
		40 mm elbow	Each	40.00			
		40 mm plain tee	Each	20.00			
	B	WATER SUPPLY					
24	SOR 18.7	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.					
		Internal work - Exposed on wall					
	18.7.2	20 mm Nominal outer dia pipes	Metre	9.00			
	18.7.3	25 mm Nominal outer dia pipes	Metre	18.00			
	18.7.4	32 mm Nominal outer dia pipes	Metre	38.00			
	18.7.5	40 mm Nominal outer dia pipes	Metre	33.00			
	18.7.6	50 mm Nominal outer dia pipes	Metre	20.00			
25	SOR 18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.					
		Concealed work, including cutting chases and making good the					
	18.8.1	15 mm Nominal outer dia pipes	Metre	15.00			
	18.8.2	20 mm Nominal outer dia pipes	Metre	120.00			
	18.8.3	25 mm Nominal outer dia pipes	Metre	75.00			
26	SOR. 18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality.					

	18.17.2	32 mm Nominal bore	Each.	1.00			
	18.17.3	40 mm Nominal bore	Each.	3.00			
27	SOR 18.21	Providing and fixing uplasticised PVC connection pipe with brass unions.					
	18.21.2	45 cm length					
	18.21.2.1	15 mm Nominal bore	Each.	36.00			
28	SOR 18.46	Providing and fixing G.I. union in G.I.pipe including cutting and threading the pipe and making long screws etc.					
	18.46.4	32 mm dia. Nominal bore	Each.	2.00			
	18.46.5	40 mm dia. Nominal bore	Each.	6.00			
		C.P. BRASS FITTINGS					
29	SOR 18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS :8931.					
	18.49.1	15 mm Nominal bore	Each	16.00			
30	SOR 18.53	Providing and fixing C.P brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931					
	18.53.1	15 mm Nominal bore	Each	30.00			
31	SOR 18.58	Providing and fixing PTMT grating of approved quality and colour.					
	18.58.2	Rectangular type with openable circular lid					
	18.58.2.1	150 mm nominal size square 100 mm diameter of the inner hinged round grating	Each	26.00			
32	M/R	Providing and fixing Grab bar (jaguar WAC-WHT-BAI090) & (jaguar WAC-WHT-BG0800)	Each	4.00			
	C	DRAINAGE					
33	SOR 2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 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	All kinds of soil					
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia	Metre	32.40			
34	SOR 19.01	Providing, laying and jointing glazed stoneware pipes class SP-1 'A' with stiff mixture of cement mortar in the proportion of 1:1(1 cement: 1 fine sand) including testing of joints etc. complete.					
	19.1.2	150mm diameter	Metre	2.40			
35	SOR 19.02	Providing and laying cement concrete 1:5:10(1 cement: 5 coarse sand:10 graded stone aggregate 40mm nominal size) all-round S.W pipes including bed concrete as per standard design.					

	19.2.2	150mm diameter S.W pipe	Metre	2.40			
36	SOR 19.4	Providing and fixing square mouth SW gully trap grade A complete with CI grating brick masonry chamber with water tight CI cover with frame of 300X300mm size(inside) the wt. of cover to be not less than 4.50kg. And frame to not less than 2.70 kg. as/standard design					
	19.4.3	180x150mm size p type					
	19.4.3.1	With F.P.S. bricks designation 7.5	Each	2.00			
37	SOR 19.6	Providing and laying non -pressure NP2 class R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 including testing of joints etc.					
	19.6.2	150 mm dia R.C.C. pipe	Metr.	30.00			
38	SOR 19.7	Constructing brick masonry manhole in cement mortar 1:4(1 cement: 4 coarse sand) R.C.C top slab with 1:2:4 mix (1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand:8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3(1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement: 2 coarse sand:4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:					
	19.7.1	Inside size 90x80cm and 45cm deep including C.I cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)					
	19.7.1.1	With common burnt clay F.P.S (non modular) bricks of class designation 7.5	Each	2.00			
39	SOR 19.8	Extra for depth for manholes					
	19.8.1	Size 90x80cm					
	19.8.1.1	With F.P.S bricks class designation 7.5	Metre	0.20			
40	SOR 19.30	Constructing brick masonry chamber for underground C.I inspection chamber and bends with 75 class designation bricks in cement mortar 1:4(1 cement: 4 coarse sand) C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg(weight of cover 23 kg and weight of frame 15 kg) R.C.C top slab with 1:2:4 mix (1 cement: 2 coarse sand:4 graded stone aggregate 20mm nominal size) foundation concrete 1:5:10(1 cement: 5 fine sand:10 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:					
	19.30.1	Inside dimensions 455x610mm and 45cm deep for single pipe line:					
	19.30.1.1	With F.P.S bricks	Each	2.00			
41	SOR 19.31	Extra for depth beyond 45cm of brick masonry chamber:					
	19.31.1	For 455x610mm size					
	19.31.1.1	With F.P.S bricks	Metre	0.20			
		TOTAL					
		Note:-					
	1)	Rate inclusive of GST					
	2)	Carriage cost not included in the estimate as per instruction of DAV CMC, Delhi					

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ABSTRACT OF COST FOR PHE WORKS (GIRLS TOILET)					
AT D.A.V PUBLIC SCHOOL, MAHESHKHUNT (KHAGARIA)					
FOR FINANCIAL APPROVAL ONLY					
BASED ON S.O.R. B.C.D.GOV.T. OF BIHAR EFFECTIVE FROM 2022/MR					
SL.NO.	DESCRIPTION		UNIT	QTY.	RATE
	CIVIL WORKS				
1	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
	15.7.4	In cement mortar	Cum	1.05	
2	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
	15.23.1	For thickness of tiles 10 mm to 25 mm	Sqm	72.46	
3	15.60	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 50 m initial lead, for all leads including all lifts involved	Cum	1.70	
4	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :			
	6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	3.48	
5	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete	Sqm	105.35	
6	11.38	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such shades except white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	Sqm	23.41	
7	8.2	Providing and fixing 18 mm 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 20 mm thick base cement mortar 1:4 (1 cement : 4coarse 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			
	8.2.2	Granite of any colour and shade			
	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	2.97	

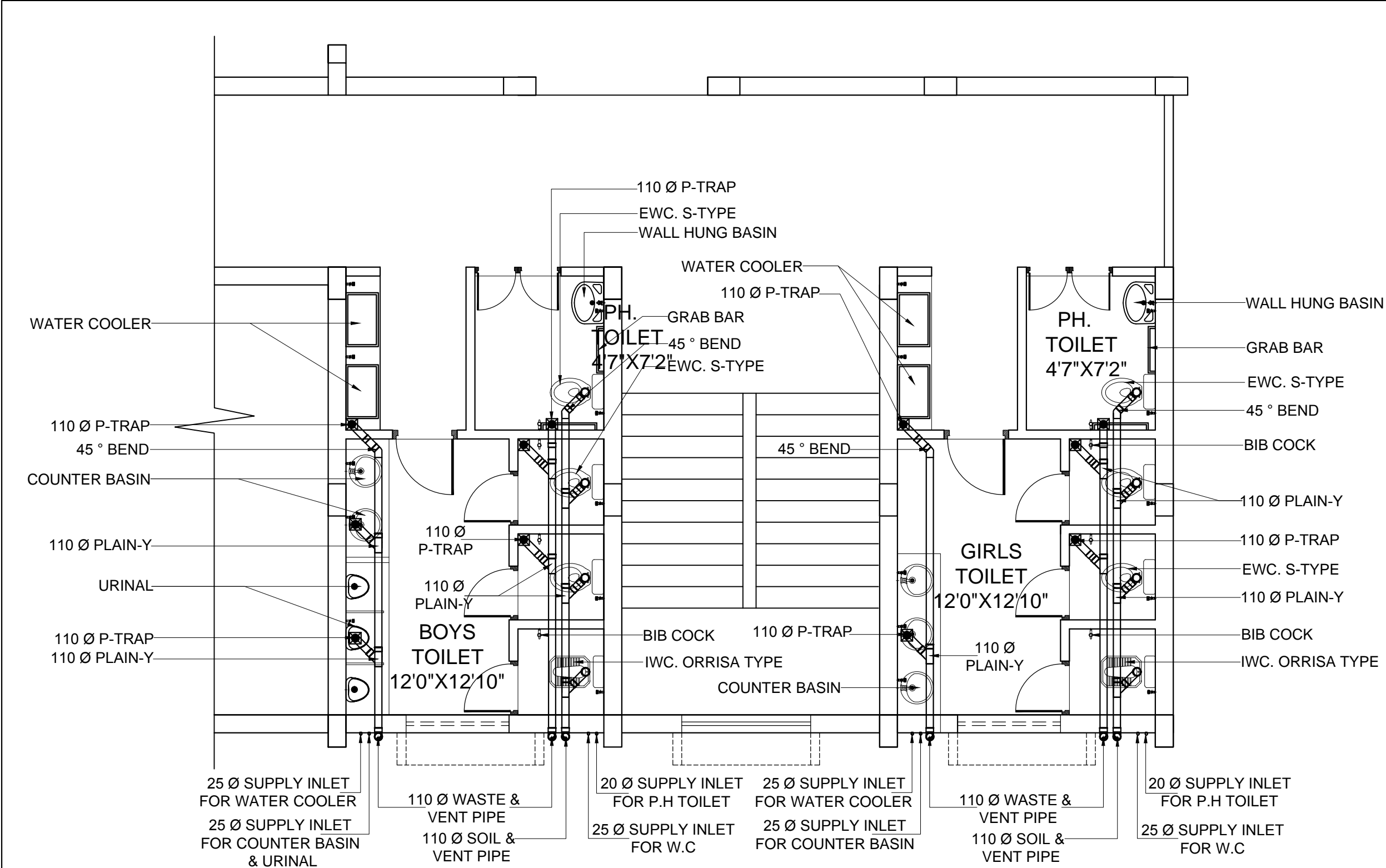
8	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	10.45		
9	10.44	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer_In_charge.	Kg	67.16		
10	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	Cum	0.12		
	A	SANITARY INSTALLATION				
11	SOR. 17.1	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 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 pattern W.C pan of size 580 x 440 mm with integral type foot rests.	Each	4.00		
12	SOR 17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P flush bend with fittings & C.I brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
	17.3.1	W.C pan with ISI marked white solid plastic seat and lid	Each	12.00		
13	MR	Providing and fixing counter basin size- (mm) 190x550x430 (Jaquar, CAT NO- FLS-wht-5701) including fixing and all accessories as per manufacturers specification and direction of Engineer-in-charge.	Each	12.00		
14	SOR 17.7	Providing and fixing wash basin with C.I brackets, 15mm C.P brass pillar taps, 32mm C.P brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
	17.7.1	White Vitreous China Wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps.	Each	4.00		
15	SOR 17.31	Providing and fixing 600X450mm beveled edge mirror of superior glass complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws & washers complete.	Each	16.00		
16	SOR 17.34	Providing and fixing Toilet Paper holder				
	17.34.2	Vitreous china	Each	12.00		
17	SOR 17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.				

	17.70.1	Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260 gms.	Each	4.00		
18	SOR 17.71	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not less than 105 gms.	Each	12.00		
19	SOR 17.72	Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colour. Weighing not less than 88 gms.	Each	8.00		
20	MR	Providing and fixing PVC Soil ,Waste & vent pipes all complete				
		110 mm dia	metre	124.00		
		40 mm dia	metre	40.00		
21	MR	Providing and fixing PVC fittings all complete as/specification & direction of E/I				
		110 mm vent cowl	Each	3.00		
		110 mm plain bend	Each	18.00		
		110 mm door bend	Each	3.00		
		110 mm dia X 45 Bend	Each	14.00		
		110 X 110 mm dia plain - y	Each	26.00		
		110 X 110 mm dia door tee	Each	9.00		
		110 X 110 mm dia plain tee	Each	4.00		
		110 mm pipe clip	Each	48.00		
		110 X 110 mm dia p-trap	Each	18.00		
		40 mm elbow	Each	40.00		
		40 mm plain tee	Each	20.00		
	B	WATER SUPPLY				
22	SOR 18.7	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.				
		Internal work - Exposed on wall				
	18.7.2	20 mm Nominal outer dia pipes	Metre	9.00		
	18.7.3	25 mm Nominal outer dia pipes	Metre	18.00		
	18.7.4	32 mm Nominal outer dia pipes	Metre	38.00		
	18.7.5	40 mm Nominal outer dia pipes	Metre	33.00		
	18.7.6	50 mm Nominal outer dia pipes	Metre	20.00		
23	SOR 18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 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.				
		Concealed work, including cutting chases and making good the				
	18.8.1	15 mm Nominal outer dia pipes	Metre	15.00		
	18.8.2	20 mm Nominal outer dia pipes	Metre	105.00		
	18.8.3	25 mm Nominal outer dia pipes	Metre	72.00		
24	SOR. 18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality.				
	18.17.2	32 mm Nominal bore	Each.	1.00		
	18.17.3	40 mm Nominal bore	Each.	3.00		

25	SOR 18.21	Providing and fixing uplasticised PVC connection pipe with brass unions.				
	18.21.2	45 cm length				
	18.21.2.1	15 mm Nominal bore	Each.	32.00		
26	SOR 18.46	Providing and fixing G.I. union in G.I.pipe including cutting and threading the pipe and making long screws etc.				
	18.46.4	32 mm dia. Nominal bore	Each.	2.00		
	18.46.5	40 mm dia. Nominal bore	Each.	6.00		
		C.P. BRASS FITTINGS				
27	SOR 18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS :8931.				
	18.49.1	15 mm Nominal bore	Each	16.00		
28	SOR 18.53	Providing and fixing C.P brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
	18.53.1	15 mm Nominal bore	Each	30.00		
29	SOR 18.58	Providing and fixing PTMT grating of approved quality and colour.				
	18.58.2	Rectangular type with openable circular lid				
	18.58.2.1	150 mm nominal size square 100 mm diameter of the inner hinged round grating	Each	22.00		
30	M/R	Providing and fixing Grab bar (jaguar WAC-WHT-BAI090) & (jaguar WAC-WHT-BG0800)	Each	4.00		
	C	DRAINAGE				
31	SOR 2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 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	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia	Metre	27.40		
32	SOR 19.01	Providing, laying and jointing glazed stoneware pipes class SP-1 'A' with stiff mixture of cement mortar in the proportion of 1:1(1 cement: 1 fine sand) including testing of joints etc. complete.				
	19.1.2	150mm diameter	Metre	2.40		
33	SOR 19.02	Providing and laying cement concrete 1:5:10(1 cement: 5 coarse sand:10 graded stone aggregate 40mm nominal size) all-round S.W pipes including bed concrete as per standard design.				
	19.2.2	150mm diameter S.W pipe	Metre	2.40		
34	SOR 19.4	Providing and fixing square mouth SW gully trap grade A complete with CI grating brick masonry chamber with water tight CI cover with frame of 300X300mm size(inside) the wt. of cover to be not less than4.50kg. And frame to not less than 2.70 kg. as/standard design				
	19.4.3	180x150mmsize p type				
	19.4.3.1	With F.P.S. bricks designation 7.5	Each	2.00		
35	SOR 19.6	Providing and laying non -pressure NP2 class R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 including testing of joints etc.				
	19.6.2	150 mm dia R.C.C. pipe	Metr.	25.00		

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[illegible]



PLUMBING LAY-OUT 1ST, 2ND & 3RD FLOOR

NOTES

1. THIS DRAWING SHOULD BE READ WITH OTHER RELEVANT P.H.E. AND ARCHITECTURAL DRAWINGS.
2. FOLLOW WRITTEN DIMENSIONS ONLY, DO NOT SCALE THIS DRAWING.
3. ALL DIMENSIONS ARE IN MILLIMETRE ONLY, OTHERWISE SPECIFIED.
4. SYMBOLS CARRY USUAL MEANING.
5. STANDARD PIPES & FITTINGS SHALL BE USED.
6. PROVIDE PROPER FINISHING IN ROUNDINGS OF 75 MM RADIUS IN ALL THE CORNERS AND ALL THE FACES INSIDE THE SUNKEN SLABS
7. PROVIDE A 25 TO 32 Ø FOR THE DRAINAGE OF SEEPAGE WATER IN EACH SUNKEN SLAB.
8. PROVIDE A SLOPE (1:50) IN SURFACE FINISHING OF INSIDE THE SUNKEN SLAB TOWARD THE ABOVE MENTIONED DRAINAGE SPOUT.
9. KEEP THE BIB COCK FOR THE WATER CLOSETS (W.C.) AT RIGHT HAND SIDE WALL AS FAR AS POSSIBLE.
10. KEEP THE HOT WATER POINTS AT LEFT HAND SIDE & NORMAL WATER POINTS AT RIGHT HAND SIDE OF THE USER.
11. THE DISTANCE OF THE BIB COCK FOR THE WATER CLOSETS SHALL BE 900 TO 1000 FROM THE REAR WALL.
12. THE DISTANCE OF CENTRE-POINT OF THE TRAP OVER WHICH WATER CLOSETS ARE TO BE FIXED SHALL BE 200 TO 300 FROM THE REAR WALL.
13. THE MINIMUM DISTANCE OF CENTRE-LINE (AXIS) OF THE WATER CLOSETS SHALL BE 450 FROM THE SIDE WALLS.
14. THE MINIMUM DISTANCE OF CENTRE-LINE (AXIS) OF THE SHOWER SHALL BE 450 FROM THE SIDE WALLS.
15. ALL THE POINTS OF WATER SUPPLY SHALL BE SUCH THAT IT IS ALWAYS AT PERFECT RIGHT ANGLE TO THE WALL'S SURFACES.
16. THE MINIMUM DISTANCE OF CENTRE-LINE (AXIS) OF THE WASH BASINS & URINAL BASINS SHALL BE 350 FROM THE SIDE WALLS, AND MINIMUM CENTRE TO CENTRE DISTANCE BETWEEN THESE BASINS IN CASE OF ROW OF FIXTURES SHALL BE 750.
17. SIZE OF WATER SUPPLY PIPES SHOWN ARE IN MILLI METRE (mm) NOMINAL BORE EQUIVALENT TO G.I. PIPES SYSTEM.
18. SIZE OF S.W.R. PIPES & FITTINGS SHALL BE EQUIVALENT TO 110 Ø OF uPVC SYSTEM.
19. MINIMUM SIZE OF WASTE PIPES FOR BASINS SHALL BE EQUIVALENT TO 40 Ø OF uPVC SYSTEM.
20. SIZE OF WATER SUPPLY INLET PIPES FOR INTERNAL PLUMBING WORKS OF INDIVIDUAL TOILETS & KITCHENS SHALL BE EQUIVALENT TO 15 Ø NOMINAL BORE G.I., OTHERWISE MENTIONED.

LEGEND:-

SN.	SYMBOL	
1		110 Ø SOIL PIPE
2		110 Ø WASTE PIPE
3		110 Ø R.W.P.
4		40 Ø WASTE PIPE FROM WASHING MACHINE
5		75 Ø BALCONY DRAINAGE PIPE
6		INLET FROM DOWN COMMER
7		FLOOR JALI OVER P-TRAP
8		SHOWER
9		WALL HUNG BASIN
10		COUNTER BASIN
11		IWC. ORISSA TYPE
12		EWC. S-TYPE

CLIENT:-
DAV PUBLIC SCHOOL AT MAHESHKUT

PROJECT:-
DAV MAHESHKUT

ARCHITECTS:-
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k&a
Kapoor and associates
ARCHITECTURE | INTERIOR DESIGN | URBAN DESIGN

P.H.E CONSULTANT:-
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Tel: 09835641066, e.mail- env.eng@rediffmail.com

SHEET TITLE:-
PLUMBING LAY-OUT 1ST, 2ND & 3RD FLOOR

DATE:- 28-08-2025	SCALE:-
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DRAWN	
APPROVED	
RELEASED FOR CONSTRUCTION PLAN	
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School No. 65470
Affiliation No. 330472

DAV Public School

Dayanand Nagar, Maheshkhunt, Khagaria, Bihar

School Code: BR-056

Affiliated to CBSE, New Delhi up to Secondary Level

TENDER NOTICE

TENDER FOR REPAIR/RENOVATION OF BOY'S AND GIRL'S TOILETS

Sealed Quotations are invited for the following works as per BOQ from recognized and registered firms:-

- 1) Complete renovation and construction of Boy's Toilets of the School.
- 2) Complete renovation and construction of Girl's Toilets of the School.

CRITERIA OF TENDER & ELIGIBILITY FOR THE FIRMS:

- 1) The Contractor/Firm should be an Indian Firm engaged in civil work and Registered as per existing norms from Government Department.
- 2) The Firm should have minimum Two years of experience in the field and worked with Govt. Deptts/PSUs/MNCs/etc.
- 3) Firm should not have been blacklisted by the Departments/Ministries of the Govt. of India /DAVCMC, New Delhi & Declaration in this regard is to be submitted.
- 4) For bidding, the firms are required to submit the following self-attested and duly rubber stamped (on each page) photocopies of the following documents relating to their firm:
 - a) Registration Certificate as per existing norms from Government Department;
 - b) Copy of GST Registration Certificates;
 - c) Copy of latest GST return;
 - d) Copy of PAN Card,
 - e) Declaration regarding blacklisting
- 5) The rate should be quoted in Indian Rupees (in both words and figures) only.
- 6) Offered rates will be negotiable.
- 7) **Standard quality materials to be used as per drawing/BOQ /specification made by the Architect.**
- 8) The work must be completed within due allotted time under any circumstances.
- 9) Tender[Both Financial & Technical Bid] in a **CLOSED & SEALED ENVELOPE** should be addressed to ---

THE PRINCIPAL, DAV PUBLIC SCHOOL, DAYANAND NAGAR ,
MAHESHKHUNT , KHAGARIA BIHAR-851213,
and must reach on or before 25/12/2025; by 03:00 P.M

Note: Tender in a closed and sealed envelope must be sent through Registered Post/Courier or can be submitted by hand.

- 10) In the event of failure on the part of work by the Bidder/Firm, the rest work may get completed from another firm and the previously engaged bidder/firm will have to reimburse the extra expenditure incurred thereafter.
- 11) Payment against Bill/Invoice shall be released only after completion of the work to the satisfaction of the architect & competent authority. No interest will be payable on the delayed payments. Payment will be made directly to the firm through Multi-city cheque or RTGS only. No request for other mode of payment will be entertained. **No advance payment will be made in any case. However, part payment can be done on satisfaction of the Architect.**
- 12) The Tenderer will be bound by the details furnished by him/her while submitting the tender or at subsequent stage. In case, any of documents furnished by him/her found to be fictitious at any stage, it would be deemed to be a breach of terms of contract making him/her liable for legal action besides termination of the contract.
- 13) No charges such as Octopi, packing, forwarding, freight insurance, loading and unloading, entry tax, demo, etc. will be allowed. All these are to be borne by the bidder only.
- 14) The Tenderer is not bond to accept the lowest bidder rather he/she is free to accept the bid on the basis of experience and technical viability.
- 15) This office has right to amend any T&C Listed in the documents as per the changes notified by the Govt. and has right to add or delete any Para for quality management of the work.
- 16) The details of the work to be done are available in the school's website <https://davmaheshkhunt.org>
- 17) The defect and liability period shall be for 12 months. 10% of final approved bill amount of the contractors shall be retained as retention money up to 12 months from the date of handing over/Finalisation of the work.

HIMANSHU NARAYAN
Headmaster

ASHWANI KUMAR SINGH
Manager