

ARMY PUBLIC SCHOOL, JAMMU CANTT

**SPECIFICATION OF CONSTRUCTION OF BATHROOMS FOR
BALVATIKA (BOYS & GIRLS)**

REQUEST FOR PROPOSAL (RFP) : Construction of Combined Washroom for Balvatika Wards

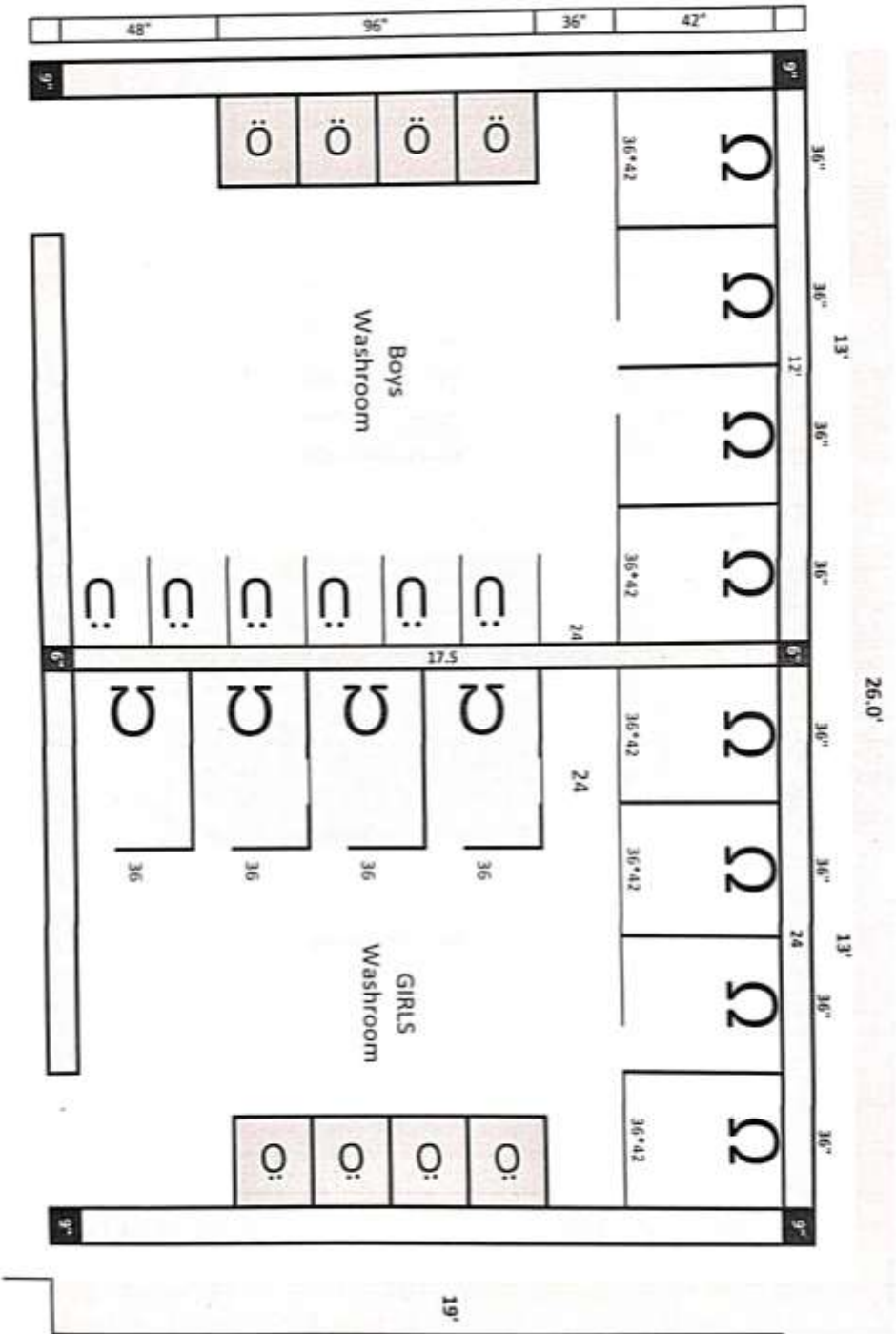
Sno	Descriptions	A/U	Qty	Rate	Amount
	CONSTRUCTION OF GIRLS & BOYS WASHROOM :- as per given drawing ,specifications and direction of School Management of APS Jammu Cantt. Complete work as per drawing with details as follows.:- .	Nos	1		Washroom size 26.0" x 19..0 ft
A	<u>Civil Works</u>				
1	Earth work foundation Clearing/uprooting of rank vegetation , grass, brush wood , trees and sampling of girth upto 1ft below the ground level , Earth excavation by in foundation trenches or drains. including dressing of sides and ramming of bottoms, and disposal of surplus malwa upto a distance of 50 m outside the periphery of the area cleared . Earth work of foundation and re filling of excavation of earth etc..	Cuft	494		
2	PCC Foundation : Providing and laying in position Cement Concrete of specified grade including curing . All work upto plinth level with ration 1:3:6 . (1 Cement :3 Coarse sand : 8 graded stone aggregate) (108ft X 1ft X 2ft)	Cuft	215		
3	RCC Pillar : Steel Reinforced cement concrete work in pillars, beams, suspended areas, finishing and reinforcement with 1: 1.5: 3 (1 cement : 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal) using Mild steel Fe500 grade TMT bars of 12 and 16 mm dia , cut to length, bent to shape required, hooking ends, binding with mild steel wire not less than 0.90mm dia or securing with clips including pinning in existing brick wall. (Make: TATA/Jindal/SAIL).	Cuft	120		
4	Septic Tank (10*12*10) : Supply and Making of septic baffle wall(tank (Size 10ft *12*10ft) having half inch brick wall work with Cement concrete base 1:2:4 ratio with 4 inch , 6 inch RCC slab with main hole 2X2, 110 mm nominal bore pipe for inlet and 75 mm for outlet & ventilation, Cover & Access hole (450mm X600 mm) or 500 mm dia for circular unit. top of septic tank is covered with 100mm thick RCC slab , minimum 6" below ground level with proper flow and Cleaning arrangement for septic tank	Cuft	1200		
5	Brick work:- Providing and laying masonry 9" First Class brickwork of common burnt clay (non modular) bricks of class designation 7.5 including curing in cement mortar1:4 (1 Cement: 4 coarse sand) in 9" Inch thickness wall ,joints raked to .5 inch. Clear and Height of room 10ft	Cuft	660		
6	Brick work:- Providing and laying masonry 4.5" First Class brickwork of common burnt clay bricks (non modular) of class designation 7.5 with 1:4 cement mortar including curing in cement mortar1:4 (1 Cement: 4 coarse sand) in 4.5" Inch thickness of wall ,joints raked to .5 inch Clear and Height 10ft	Cuft	85		

7	RCC Slab:- P/L in Steel Reinforced Cement concrete (130-150 mm thick Rcc slab) type B1 in beams, suspended floors, roofs, with ratio 1: 1.5: 3 (1 cement : 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal) using Mild steel Fe500 grade TMT bars 10 mm, 12mm and 16 mm dia , cut to length, bent to shape required, hooking ends, binding with mild steel wire not less than 0.90mm dia or securing with clips including pinning in existing brick wall. (Make: TATA/Jindal/SAIL)	Sqft	616		
8	Plaster :- S/L in of 12 mm thick Cement plaster over entire surface other than tiling surface with cement mortar ratio 1::4 .	Sqft	950		
9	Floor Tiles :- S/F of 8 to 10 mm thick approved quality polished antiskid vitrified tiles of size 600 mm X 600 mm (Make: Somany/Bajaj/ Kajaria) laid to the desire pat ran, slope & colour on 20mm thick 1.3 ration cement mortar (1 cement : 3 coarse sand) with grey cement slurry as directed by school management.	Sqft	600		
10	Wall Tiles Internals :- S/F of 1st quality ceramic glazed wall tiles (300mm *450 mm) confirming to IS 15622 on wall having approved shade, colour of general size, make: Somany/Bajaj/ Kajaria) laid to the desire pattern , slop & colour on 20mm thick 1 :3 ratio cement mortar (1 cement : 3 coarse sand) with grey cement slurry upto the Height of 5 ft. internal Area .	Sqft	650		
11	Wall Tiles External :- S/F of 1st quality ceramic glazed wall tiles (300mm *450 mm) confirming to IS 15622 on wall having approved shade, colour of general size, make: Somany/Bajaj/ Kajaria) laid to the desire pattern , slop & colour on 20mm thick 1 :3 ratio cement mortar (1 cement : 3 coarse sand) with grey cement slurry fully on external area having some children drawing /design on it.	Sqft	990		
12	Door & Window :- S/F powder coated aluminum doors (6ft X 3ft) and ventilations windows (3 ft X 1.5 ft) X2, including opening for exhaust fan built up with standard tubular sections weighting not less then 0.55 Kg/m and other sections of approved make, with 5 mm Average glass with all complete fittings like earl ,door stopper , handle hinges' ,gasket , door frame & shutter etc.	Sqft	51		
13	SS Hand Railing . Supply and fixing of factory made Stainless Steel G-304 hand railing at both side of door entrance (4 Rft) , in handicapped washroom, near washbasin with circular hollows pipe sections with smooth finishing all complete fittings like bend fasner, welding polishing etc.	RFT	28		
14	Paint & whitewash :- S/applying approved Quality whitewash and emulsion Paint of approved shade /colour and quality (3 in 1), shade to give a smooth finish on the surfaces with filling materials (putty), scrapping, sand papering, scaffolding above wall tiles . etc. complete including all other necessary related works as per specific actions and schedule as per drawing or as directed by school administration.	Sqft	650		
15	Passage Concrete Flooring with drainage system : Supply and laying of 75 MM Cement concrete flooring for passage (150ft *8 ft) with 1:2:4 ratio with proper drainage slop system, finishing with floating coat of neat and clean cement including all cost tranportations carriage etc.	Cuft	300		

B	<u>Electrical Works</u>				
16	Supply and fixing of 12 Module GI Switch board having modular base and cover sheet on it with 6 amp switches & socket .(Make Anchor Penta / gena)	nos	2		
17	Supply and Fixing of LED TUBE LIGHT of 20 watt with proper wiring	nos	4		
18	Supply and Making of wiring for light Point with 1.5 sqmm / 1100 V grade FR PVC insulated unsheathed multi stranded copper conductor concealed in wall/floor with 25 mm dia PVC conduit and making good to surface complete. Make Finolex/Havells/RR/ Grandlay /Plaza	Points	8		
19	Supply and Fixing 1100 V grade FR PVC insulated unsheathed multi stranded copper conductor of size 2* 2.5 sqmm for main supply with SPN 40 Amps Make Finolex/Havells/RR/ Grandlay /Plaza	Mts	30		
20	Supply and Fixing of exhaust fan heavy duty 12" with louvers openings with suitable fixing arrangement. Make: Crompton/ Bajaj/ Havells	No	2		
C	<u>Plumbing Works:-</u>				
21	Modular Toilet Cabin : Supply & Fixing of factory made Modular Toilet Cabin of HPL board with door having dimensions size (900 X1200X1500 mm) with some kids design of approved shade & colour complete fittings	no	12		
22	EWC :- Providing and Fixing of EWC seats (Make: Cera/ Hindware) with complete fitting.	nos	12		
23	Urinals :- Providing and Fixing of urinals with glass partition (thickness of glass 10 mm .(Make: Cera/ Hindware) with complete fitting.	nos	8		
24	WASH BASIN :- Providing and Fixing of Modern Wash Basin with Cabinet size 18x24 inch white Vitreous China owwel type basin with a pair of 15 mm pillar cock ,C.P. brass pillar taps, C.I. brackets, C.P. brass waste pipe of standard pattern, including fittings , cutting and making of unit operational & wherever require for (Make: Cera /equivalent)	Nos	6		
25	Granite Washbasin Cabinet :- Providing and making Modern Wash Basin Cabinet of granite (high grade (G3)) having 15 to 20 mm thickness of approved colour and patron with top side polished surface laid on 20 mm thick 1.4 ration cement mortar and joint with chemical and cement slurry to surface of specified area as per details ,including necessary requirement, scrapping material, labors cost and (Cabinet size 8ft X 2 X 1.6ft)	Sqft	36		
26	Water Storage Tank of Plastic 3 layers(Branded) 1000 Liter kept above the terrace area with complete fittings, joints elbow nipples, flat valve. Kept on foundation etc.	nos	2		
27	Supply and fix PVC (SWR) pipes :- P/F of rigid pvc drain & rain water pipe conforming to IS 13592 Type A , 110 mm bore in any length, with rubber ring joints, laid in trenched or in floor or in wall and hunching with PCC 1: 3: 6 type C	Mtr	35		

28	Supply and fix PVC (SWR) P or S trap, 110 mm elbow bends ,sockets Elbow bore in any position and fixed with cement concrete(. complete work). Make: Prince/Supreme/Universal	no	100		
29	Supply and fix SWR drain pipe, 150 mm dia (Inner dia) laid in trenches, jointed, connected to Manholes including concrete bed to drain pipes including packing under, hunching against the sides of pipes after they are laid and tested complete,	Mts	24		
30	Towel RACK :- Providing and fixing SS towel rack of 2 ft	Nos	2		
31	Mirror :- P/ Fixing of decorative type looking Mirror of size 2 x 6 ft (5 mm thick) with PVC/ Wooden frame, fixed on wall with proper fittings	Sqft	24		

Combined Washroom For Balvatika Students



SPECIFICATION FOR LAYING AND INSTALLATION OF SYNTHETIC 08 LAYER BASKETBALL COURT WITH ALLIED ACCESSORIES

S. No	Specification	Qty	Remarks
1.	<p><u>Outdoor Asphalt Base</u></p> <p>(a) Carry out anti-termite and weedicide on the total area by spraying.</p> <p>(b) Compaction of the sub base will be by 8-10 ton roller.</p> <p>(c) Lay a layer of 85mm/65mm compacted water bound macadam in one/two layers respectively. WBM to be densely compacted by keying and inter locking the stones to ensure that no settlement takes places.</p> <p>(d) Lay a 30 mm compacted thick hot mix Asphalt BM course.</p> <p>(e) Lay a 20 mm compacted thick hot mix A.C course.</p> <p>(f) Seal Coat with stone dust H. An open saucer drains at a lower end 1.6" Retaining or Edge wall for support.</p>	6500 Sq ft	
2.	<p><u>Installation of Synthetic 08 Layer Basketball Court</u></p> <p>(a) Layer of resurface</p> <p>(b) Heavy Cushion</p> <p>(c) Layer fine cushion 2 layer color</p> <p>(d) Marking of two layer Basketball court</p> <p>(e) 02 Years warranty</p>	Complete work	
3.	<p><u>Flood Lighting LED.</u></p> <p>(a) 100 w, 4 Led flood light fixtures on the four poles.</p> <p>(b) One double door weather proof distribution board with MS sheet.</p> <p>(c) Four Poles with MCBs.</p> <p>(d) Full wiring from out control panel to poles and fixture complete.</p>	02 Nos	

4.	<p><u>Basketball Pole and Accessories.</u></p> <p>(a) Poles : 8" round pipe with 3.2 mtr distance from the board.</p> <p>(b) 25 mm back fiver glass board with international standard die made and ring.</p> <p>(c) Frame coated die made frame with built in brackets for mounting.</p> <p>(d) Dunking Rim with spring mechanism.</p>	02 Nos	
5.	<p><u>Drain System.</u></p> <p>Providing & fixing required drain system along the court.</p>	1 JOB	