

**KERALA CRICKET ASSOCIATION**

Name of work :PUBLIC HEALTH ENGINEERING SYSTEM WORKS OF PAVILION BLOCKS FOR KCA, MANGALAPURAM,  
THIRUVANANTHAPURAM.

**QUOTATION SCHEDULE**

Item No	Quantity	Unit	Details of work	Rate in figures	Unit	Rate in words	Amount
A			<b>SANITARY FIXTURES.</b>				
1	12.00	Nos	Supply, Fixing, Testing and Commissioning at site Wall Mounting type water closet with P trap & its all fittings like rag bolts, solid plastic Seat cover etc complete including cutting and making good the walls and floors wherever required. Etc complete.		/each		
2	12.00	Nos	Supply, Fixing, Testing and Commissioning at site Concealed flushing cistern with brass screws, nuts , and washers complete including cutting and making good the walls and floors wherever required. Etc complete.		/each		

3	1.00	Nos	Supplying, Fixing, Testing and Commissioning at site Handicapped Wall mounting water closet with P trap & its all fittings like rag bolts, solid plastic seat cover etc. , and Concealed flushing cistern, brass screws, nuts , and washers . Flat back Wash Basin with accessories Flexible Connection tube, 32 mm C.P. brass waste coupling, rag bolts. With 1 health faucet, 2 Angle valves, 1 Pillar tap, 1 Bottle trap, 1 Grab bars,1 Hand rail & complete including cutting and making good the walls and floors wherever required. Etc complete.		/each		
4		Nos	Supply, Fixing, Testing and Commissioning at site Wash Basin with accessories Flexible Connection tube, 32 mm C.P. brass waste coupling of standard pattern, and union including cutting and making good the walls wherever required complete.		/each		
4.01	16.00	Nos	Wash basin Counter Top		/each		
4.02	5.00	Nos	Flat back washbasin half pedestal with spring set complete.		/each		
4.03	-	Nos	Wash basin - Corner wash		/each		
5	52.00	Nos	Supply, Fixing, Testing and Commissioning Angle valves as per the specification and drawings to the satisfaction of the project manager.		/each		
6	RO	Nos	Supply, Fixing, Testing and Commissioning at site Concealed stop cock (brass) of 20mm size complete in all respects.		/each		
7	12.00	Nos	Supply, Fixing, Testing and Commissioning at site ablution Health Spray Faucet with wall hook and 1.2 mtr. Chrome plated PVC hose pipe, etc. complete in all respects. (EWC & Dirty utility)		/each		

8		Nos	Supply, Fixing, testing and commissioning of Wall mixer and over head shower with shower arm, shower rose, wall flange , all accessories etc, complete.		/each		
8.01	6.00	Nos	Wall mixer unit		/each		
8.02	6.00	Nos	Shower arm and shower rose		/each		
9		Nos	Supply, Fixing, testing, and commissioning CP Brass shower set with Concealed Stop cock (Concealed and exposed part ) shower arm and rose with accessories complete in all respects.( For Swimming Pool Area)		/each		
10	19.00	Nos	Supply, Fixing, best quality Mirror (600x450mm) of approved make, 5 mm thick glass with 100% silver Mirror with anti crack filling etc complete...		/each		
11	6.00	Nos	Supply, Fixing at site C.P soap dish fixed in position by means of screws and rawl plug in the walls complete including cutting and making good the walls wherever required.		/each		
12	2.00	Nos	Supply, Fixing, testing and commissioning Basin Mixer for flat back, table top and under counter wash basins with all accessories. (Short Body)		/each		
13	19.00	Nos	Supply, Fixing, testing and commissioning Pillar Tap for flat back and counter top wash basins with all accessories. (Short Body)		/each		
14	7.00	Nos	Supply, Fixing, testing and commissioning at site C.P. Brass Bib Cocks long noze with wall flange and aerator including cutting and making good the walls wherever required.		/each		

15	6.00	Nos	Supply, Fixing at site 60 cm (24") long Towel rail with CP flanges, fixed with SS screws complete.		/each		
16	21.00	Nos	Supply, Fixing at site CP Towel ring with CP flanges, fixed with SS screws complete. (OPD & Nursing station)		/each		
17	21.00	Nos	Supply, Fixing, testing and commissioning at site 40mm dia CP / PVC BOTTLE Trap For Wash Basin & Kitchen Sink of approved make complete		/each		
18	13.00	Nos	Supply, Fixing, CP Exposed type toilet paper holder (Toilet Area)		/each		
19	13.00	Nos	Supply, Fixing CP Robe hook. (Common area toilet)		/each		
20	2.00	Nos	Supply, Fixing, testing and commissioning at site Stainless Steel Sink with Single Drain board and bowl 900x450mm and depth 200mm manufactured from 1mm thick stainless steel,18G high grade indestructible chrome nickel steel with top quality polish, 40mm dia full threaded CP waste coupling, with all accessories etc complete.		/each		
21	2.00	Nos	Supply, Fixing, testing and commissioning at site Single bowl Stainless Steel Sink without drain board 610x450mm and depth 255mm manufactured from 1mm thick stainless steel,18G high grade indestructible chrome nickel steel with top quality polish, 40mm dia full threaded CP waste coupling, with all accessories etc complete. (For Nursing station)		/each		

22	2.00	Nos	Supply, Fixing, Testing, and commissioning Sink cock wall mounted / floor mounted with swivel casted spout and wall flange, trending cutting and making good the walls whatever required etc. complete		/each		
23		Nos	Supply, Installing, Testing & Commissioning Electric water heater (Geyser) with all controls like Thermostat, pressure relief valve, check valve with CP copper connection pipes with wall flanges of approved make etc., complete.		/each		
23.01	2.00	Nos	Up to 10ltr capacity (Horizontal type)		/each		
23.02	1.00	Nos	Urinal - Providing, Fixing, Testing and Commissioning at site of approved shape and size, with Integral P-Trap and with Integrated Electronic Flushing System with Passive and Extra Sensitive Infra Red Sensor (Battery / AC Operated, as per final requirement), overall size: 610 x 390 x 370mm, with a Total Flushing Rate of 0.60 LPF including painting of fittings and brackets, cutting and making good the walls wherever required		/each		
23.03	1.00	Nos	Supplying and fixing approved quality white vitreous china urinal division plate 700 x 340 including cost and conveyance of all material, labour charge, lead, lift, all taxes etc. complete as directed by the Engineer-in-Charge.		/each		
			<b>Total for Sanitary Fixtures</b>			<b>Rs.</b>	
<b>B</b>			<b>SOIL, WASTE, VENT &amp; RAIN WATER PIPES</b>				

24			Supplying, Fixing, testing and commissioning at site in position uPVC pipe (SWR-Type B) (IS:13592) With Rubber Ring or Solvent Welded fittings with bosses where required e.g. tees, bends, coupling, door bends, junctions, cowls, etc., complete. (Soil & Waste in Shaft)				
			IN SHAFT (PASTING ONLY)				
24.01	15.00	m	110 mm O.D. (SWR Type B- IS-13592)		/m		
24.02	35.00	m	75 mm O.D. (SWR Type B- IS-13592)		/m		
24.03	25.00	m	63 mm O.D ( 4Kgf/cm2) Vent pipe in shaft		/m		
24.04	25.00	m	63 mm O.D ( 4Kgf/cm2) Vent pipe in ceiling		/m		
24.05	45.00	m	75 mm O.D ( 4Kgf/cm2) Vent pipe from STP		/m		
25			Supplying, Fixing, testing and commissioning at site in position uPVC pipe (SWR-Type A) (IS:13592) or ( IS : 4985 ) With Rubber Ring or Solvent Welded fittings with bosses where required e.g. tees, bends, coupling, etc. complete. (For Rain water pipes in shaft & Ceiling)				
			IN SHAFT (PASTING ONLY)				
25.01	RO	m	75 mm O.D (SWR Type A- IS-13592) Balcony Rain water pipe in shaft		/m		
25.02	95.00	m	110 mm O.D (SWR Type A- IS-13592) Rain water pipe in shaft		/m		

26			Supplying, Fixing, testing and commissioning at site in position uPVC pipe of 6Kgf/cm <sup>2</sup> including PVC fittings with bosses where required e.g. tees, bends, coupling and adapters and jointing with adhesive approved by fitting manufactures including cutting and making good the walls and floors or surface mounted with clamps as required at site universal clamps & anchor fasteners(8mm) , threaded rod(8mm),nuts ,washers, wherever required etc. complete.				
			(For Internal Soil &Waste line) (PASTED ONLY)				
26.01	25.00	m	40 mm O.D. (6Kgf/cm <sup>2</sup> IS:4985)		/m		
26.02	30.00	m	50 mm O.D. (6Kgf/cm <sup>2</sup> (IS:4985)		/m		
26.03	60.00	m	75 mm O.D. (SWR Type B- IS-13592)		/m		
26.04	65.00	m	110mm O.D (SWR Type B- IS-13592)		/m		
26.05	-	m	32 mm O.D. (8Kgf/cm <sup>2</sup> (IS:4985) for sunken spout		/m		
27			Supplying, Fixing, testing and commissioning at siteu PVC pipe of 6Kgf/cm <sup>2</sup> including PVC fittings suitablefor solvent welded joints, including all necessary fittings like Tee, Elbow, Adaptors, etc, Chasing and making good the walls wherever required, providing necessary brass ended terminal fittings (For Condensate A/c drain)				
27.01	75.00	m	25 mm ID (¾") dia (Concealed)		/m		

28	16.00	Nos	Supplying, Fixing, testing and commissioning at site in position Deep Seal UPvc fabricated Multi floor trap (7"), with suitable supporting on GI slotted rails (1.6mmthick) full threaded rod, anchor fasteners etc. complete in all respects. 50/75 mm dia outlet (In Ceiling)		/each		
29	13.00	Nos	Supplying,Fixing, testing and commissioning at site in position UPvc fabricated Multi floor trap (4") with 50/75 mm dia outlet (In Sunken slab & floor raising areas)		/each		
30	29.00	Nos	Supplying,Fixing, Testing and commissioning at site in position 150x150mm square C.P cast brass or stainless steel anti cockroach grating cover ss (304) of matching size of UPvc fabricated floor trap / multi inlet trap complete in all respects		/each		
31	2.00	Nos	Supplying,Fixing, testing and commissioning at site in position Concealed floor trap (7" UPvc fabricated Multi Trap, with Stainless Steel Square frames (150x150mm) SS (304), Rubber Seal and flat round cover with screw. etc. complete in all respects. (For Urinals)		/each		
32		Nos	Supplying, Fixing, testing at site in position 160mm dia square /circular grating Terrace rain water outlet (Cast Iron)		/each		
32.01	6.00	Nos	(for 110mm dia pipe)		/each		
33		Nos	Supplying, Fixing, testing at site in position PVC Roding Eye (6kg/cm2) Complete in all respects.		/each		
33.01	2.00	Nos	110 mm dia		/each		



33.02	3.00	Nos	75 mm dia		/each		
			<b>Total for soil waste,vent &amp; rain water pipes</b>			<b>Rs.</b>	
<b>C</b>			<b>WATER SUPPLY (INTERNAL AND EXTERNAL)</b>				
34			Supplying,Fixing, testing and commissioning at site SDR-11 grade Chlorinated Polyvinyl chloride (CPVC) pipes conforming to ASTM D:1785 & CPVC fittings suitable for solvent welded joints, including all necessary fittings like Tee, Elbow, Adaptors, etc, Chasing and making good the walls wherever required, providing necessary brass ended terminal fittings testing the entire pipe- work for a pressure not less than 5kg/cm <sup>2</sup> to the satisfaction of project engineer ( Concealed /Exposed Hot/ Cold water supply)				
34.01	165.00	m	¾ "(20mm) dia. (Internal / Concealed) Cold & Hot water supply		/m		
34.02	30.00	m	¾ "(20mm) dia. (Exposed on wall /ceiling) Cold water supply		/m		
34.03	20.00	m	1 "(25mm) dia. (Exposed on wall /ceiling) Cold water supply		/m		
35			Supplying,Fixing at site in position uPVC Pipes (as per ASTM D – 1785 sch-40 ) of approved make For Cold Water Supply, complete with all necessary (ASTM D – 2466/2467) fittings (elbows, unions, tees, reducers, couplings, nipples etc) (Internal /External / In shaft)				
35.01	20.00	m	¾" (20mm) dia (External / in Shaft)		/m		
35.02	-	m	1" (25mm) dia (External / in Shaft)		/m		

35.03	30.00	m	1¼"(32mm) dia (External / in Shaft)		/m		
35.04	35.00	m	1 ½" (40mm) dia (External / in Shaft)		/m		
35.05	7.00	m	2" (50mm) dia (External / in Shaft)		/m		
			Ringmain at Terrace				
35.06	115.00	m	2" (50mm) dia		/m		
35.07	25.00	m	2½" (65mm) dia		/m		
36			Supplying, Fixing at site in position uPVC Pipes (as per ASTM D – 1785 sch-80 ) of approved make For Pumping line from ( Sump Tank To Over head Tank ) complete with all necessary (ASTM D – 2466/2467) fittings (45° elbows, unions, couplings, etc)				
36.01	65.00	m	1¼"(32mm) dia (Domestic water supply)		/m		
36.02	25.00	m	2½" (65mm) dia (Flush water supply)		/m		
37			Supplying, Fixing, testing and commissioning at site in positions Automatic Air Release Valves, ball valves of approved quality and make on the top of the vertical water supply pipes as per specification and drawings				
37.01	2.00	Nos	¾"(20mm) dia		/each		
38			Supplying, fixing, testing and commissioning at site in position Brass Y strainer of approved quality and make as per specification and drawing				
38.01	2.00	Nos	2" (50mm) dia		/each		

38.02	2.00	Nos	3" (80mm) dia		/each		
39			Supplying, Fixing at site in position full way lever operated brass ball valve of brass body with forged brass hard chrome plate (PN 10) of approved make with necessary MTA fittings in position as per drawings				
39.01	10.00	Nos	¾" (20mm) dia		/each		
39.02	5.00	Nos	1" (25mm) dia		/each		
39.03	2.00	Nos	1 ¼ " (32mm) dia.		/each		
39.04	3.00	Nos	2" (50mm) dia		/each		
39.05	2.00	Nos	2" (50mm) dia (For OHT Cleanout)		/each		
40			Supplying, Fixing, testing and commissioning at site in positions as detailed in drawings, Brass Non Return Valves (spring loaded dual plate) complete in all respects.				
40.01	1.00	Nos	1 ¼ " (32mm) dia.		/each		
40.02	2.00	Nos	2 ½" (65mm) dia (Dual plate-DI)		/each		
40.03	2.00	Nos	3" (80mm) dia (Dual plate-DI)		/each		
41			Supplying, Fixing, testing and commissioning at site Puddle Flange fabricated from Upvc ASTM Grade sch- 40 pipes & uPVC sheet (600 mm long)				
41.01	2.00	Nos	2 " (50mm) dia		/each		

41.02	2.00	Nos	2 ½" (65mm) dia		/each		
41.03	2.00	Nos	3" (80mm) dia		/each		
42			Supplying, Fixing, testing and commissioning at site GI Slotted Rail Brackets, hangers, supports with necessary drilling holes to suit the insertion of pipe clamps, de burring etc., as per detailed drawing for supporting soil, waste & rain water pipes & water supply pipes in shaft and ceiling with suitable GI clamps, bolts, threaded rods, anchor bolts nuts & washers fixed on shaft walls/outer walls etc., complete as directed by the employer.				
42.01	40.00	m	Electro Galvanized - (In shaft, Ceiling and dry interior areas)		/m		
42.02	20.00	m	Hot dip galvanized - (Fully exposed to weather and wet areas)		/m		
			<b>Total for water supply ( internal and external)</b>			<b>Rs.</b>	
<b>D</b>			<b>EXTERNAL SEWERAGE</b>				

43			Supplying and Laying of pipes and conveying to position including earth work excavation and refilling the soil; cleaning, laying and jointing to true lines and gradients, with proper bedding uPVC pipe of IS 4985(6kgf/cm <sup>2</sup> ) including jointing the pipe as per specification, testing the pipe line after installation all per provisions of IS: 1742-1983 (Code of practice for building drainage) complete as directed by the Employer				
43.01	35.00	m	75mm OD (6/kg/cm <sup>2</sup> )		/m		
43.02	185.00	m	110mm OD (6/kg/cm <sup>2</sup> )		/m		
43.03	15.00	m	160mm OD (6/kg/cm <sup>2</sup> )		/m		
43.04	10.00	m	200mm OD (6/kg/cm <sup>2</sup> )		/m		
44			Constructing brick masonry Manhole / Inspection chambers with bricks of class 75 in cement mortar 1:5 including plastering inside and outside with cement mortar 1:3, 12mm thick (1cement:3 coarse sand) inside with a floating coat of neat cement 12mm thick, and making channels in cement concrete 1:2:4 etc. complete)				
44.01	4.00	Nos	Internal size 450X450mm depth not exceeding 600mm		/each		
44.02	6.00	Nos	Internal size 600X600mm depth not exceeding 900mm		/each		

44.03	6.00	Nos	Internal size 900X900mm depth not exceeding 1500mm		/each		
45	5.00	Nos	Constructing Gully Trap Chamber 300X300mm internal size including 100mm thick 1:4:8 PCC base, 115mm thick brick masonry in CM 1:5, plastering internally and externally with CM 1:3 and providing 110mm dia PVC Square Gully Trap		/each		
46			Supplying and fixing Ductile Iron (Hinged Type) cover and frame. (As per EN – 124 standard)				
			<b>For Gully Trap</b>				
46.01	5.00	Nos	300X300mm size - LD-B125- 8 kg wt.		/each		
			<b>For Inspection chamber</b>				
46.02	4.00	Nos	450X450mm size 58 kg wt. -C-250 (HD)		/each		
46.03	6.00	Nos	600X600mm size 62 kg wt. -C-250 (HD)		/each		
46.04	6.00	Nos	900X900mm size 125 kg wt. -C-250 = 25.0MT (HD)		/each		
			<b>For Sump Tank</b>				
46.05	2.00	Nos	600X600mm size 62 kg wt. -C-250 (HD)		/each		
46.06	2.00	Nos	900X900mm size 125 kg wt. -C-250 = 25.0MT (HD)		/each		
			<b>For Overhead Tank</b>				
46.07	2.00	Nos	450X450mm size 22 kg wt. -A-15 (LD)		/each		
46.08	2.00	Nos	600X600mm size 40kg wt. -A-15- (LD)		/each		

47			Drilling with Core Cutting machine in RCC beams, slabs floors etc., for laying pipes and rendering the same in RCC 1:2:4, finishing the same to the satisfaction of the Owner or his authorized representative etc., including nominal reinforcement wherever required, complete. The quoted rate shall also include for providing (conbextra GP -2/GP – 10) based water proofing compound for sealing the joints around the pipes. (Slab Thickness – 10cm / 12cm)				
47.01	10.00	Nos	32mm dia (Sunken spout)		/each		
47.02	10.00	Nos	40mm dia (Wash Basin & Urinal)		/each		
47.03	5.00	Nos	50mm dia (Kitchen Sink & Washing Machine)		/each		
47.04	25.00	Nos	110mm dia (EWC & Floor trap)		/each		
			<b>Total for external sewerages</b>			<b>Rs.</b>	
<b>E</b>			<b>PUMP AND ACCESSORIES</b>				
48	1.00	Nos	Supply, installation, testing & Commissioning of openwell submersible pump suitable HP capable to deliver 2.2 LPS @ 24mtr head with wall mounting Automatic pump protector control panel with inbuilt float switch connector for the working of pumpset automatically according to the demand. The conroller should have LCD screen / Volt meter/ ampear meter / dry run protection / over and under voltage protection / under and overload protection / tank full indication etc .		/each		

			<b>Total for pump and accessories</b>			<b>Rs.</b>	
			<b>ABSTRACT</b>				
A			SANITARY FIXTURES.				
B			SOIL, WASTE, VENT & RAIN WATER PIPES				
C			WATER SUPPLY (INTERNAL AND EXTERNAL)				
D			EXTERNAL SEWERAGE				
E			PUMP AND ACCESSORIES				
			TOTAL				
						Add GST @ 18 %	
						TOTAL	
			<b>Rounded to</b>		<b>Rs.</b>		

Rupees in words :

Signature of  
Contractor:  
Name and address

Thiruvananthapuram:

Date :