

KERALA CRICKET ASSOCIATION

NAME OF WORK : CONSTRUCTION OF GROUND EQUIPMENT SHED AND LABOUR TOILETS AT S D COLLEGE CRICKET GROUND, ALAPPUZHA

TENDER SCHEDULE

Item No	Quantity	Unit	Details of work	Rate in figures	Unit	Rate in words	Amount
1	510.00	m2	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared		/m2		
2	510.00	m2	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.		/m2		
3	55.00	m3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains, including dressing of sides and ramming of bottoms, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m and lift upto 1.5m.		/m3		
4	123.00	m2	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete.		/m2		
5	70.00	man- hr	Manual dewatering using bucket, coir etc. complete from the foundation pits. For 1 man.hr		/man- hr		
6	5.50	m3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)		/m3		
7	37.00	m2	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns		/m2		

8	97.88	m2	Centering and shuttering including strutting, propping etc. and removal of form for all heights - Columns, Pillars, Piers, Abutments, Posts and Struts		/m2		
9	72.00	m2	Centering and shuttering including strutting, propping etc. and removal of form for all heights - Lintels, beams, plinth beams, girders, bressumers and cantilevers		/m2		
10	13.00	m3	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)		/m3		
11	5.50	m3	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size)		/m3		
12	1880.00	kg	Steel reinforcement for R.C.C. work including straightening, cutting, bending,placing in position and binding all complete upto plinth level - Thermo-Mechanically Treated bars of grade Fe-500D or more.		/kg		
13	39.00	m3	Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 (1 cement :6 coarse sand) etc		/m3		
14	55.00	m3	Supplying and filling in basement with good earth including consolidating each deposited layer by ramming and watering in layers not exceeding 20 cm in depth,		/m3		
15	400.00	m2	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)		/m2		
16	5.00	m2	Providing and fixing M.S. grills window/doors of required pattern in frames of with M.S. angles, flats, square or round pipes,bars etc. including priming coat with approved steel primer all complete, fixed in position by welding including cost of all materials, labour charges etc. complete.		/m2		

17	1918.20	kg	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing 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)		/kg		
18	160.00	m2	Providing trafford, coloured trafford sheet roofing 0.35 mm thick of approved make (Jindal, Hindalco,Oranium etc) including vertical or curved surface, cost of materials, labour etc complete as per the direction of departmental officers at site		/m2		
19	25.00	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.		/kg		
20	40.00	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, 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 - For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)		/kg		
21	32.00	kg	For Shutters of doors, windows & ventilators including providing and fixing himax hinges/ pivots, wind stays and locking handles etc and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required Powder coated aluminium (minimum thickness of powder coating 50 micron)		/kg		

22	5.25	m2	Providing and fixing Glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge : With float glass panes of 5.50 mm thickness		/m2		
23	2.00	m2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum 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 particle board with decorative lamination on one side and balancing lamination on other side		/m2		
24	1.00	No	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good with handle on both side etc. complete.		/No		
25	9.00	m2	Supplying and fixing Rolling Shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters - 80x1.20 mm M.S. laths with 1.20 mm thick top cover		/m2		
26	2.00	nos	Providing and fixing ball bearing for rolling shutters.		/nos		
27	9.00	m3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size) - Flooring Base		/m3		

28	24.00	m2	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality, of approved make, in all colours, shades, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse,sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.		/m2		
29	41.00	m2	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.		/m2		
30	3.00	nos	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P.brass pillar taps		/nos		
31	7.00	nos	Supplying and fixing 15mm CP angle cock 15 mm of approved quality as per the directions of the departmental officers at site.		/nos		
32	5.00	nos	Supplying and fixing 15mm CP long body tap of approved quality as per the directions of the departmental officers.		/nos		
33	1.00	no	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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 W.C. pan of size 580x440 mm with integral type foot rests		/no		

34	2.00	no	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid		/no		
35	3.00	nos	Providing and fixing Trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: PVC trap with grating		/nos		
36	15.00	m	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of crosssection 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.		/m		
37	4.50	m2	Providing and fixing to existing door frames. 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.		/m2		
38	10.00	m	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 40mm dia 10Kgf/cm2- exposed wall work, including cutting chases and making good the wall etc.		/m		

39	20.00	m	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 25mm dia 8Kgf/cm2- External work - Exposed on wall		/m		
40	20.00	m	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 20mm dia 10Kgf/cm2- Concealed work, including cutting chases and making good the wall etc.		/m		
41	20.00	m	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 20mm dia 10Kgf/cm2- Internal work - Exposed on wall		/m		
42	20.00	m	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge . 50mm pipe 8 kgf/cm2- Exposed on wall		/m		
43	25.00	m	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement ,trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 6 Kgf/cm2		/m		
44	15.00	m	Providing and fixing PVC pipes, fittings including jointing of pipes with one step PVC solvent cement , trenching , refilling and testing of joints complete as per direction of Engineer-in-Charge - 110 mm pipe 6kgf/cm2		/m		
45	3.00	m	Providing and fixing terminal guard PVC Cowl - 75mm		/m		
46	3.00	nos	Providing and fixing PVC gate valve of approved quality : 25 mm nominal bore		/nos		
47	2.00	nos	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore.		/nos		

48	15.00	m2	Painting with Synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		/m2		
49	400.00	m2	Applying one coat of water thinnable Cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer (outside +Inside)		/m2		
50	200.00	m2	Wall painting with Acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work (Inside)		/m2		
51	200.00	m2	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)		/m2		
52	1000.00	lr	Providing and placing on terrace polyethylene water storage tank, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.		/lr		
53	3.00	nos	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.		/nos		
54	2.00	nos	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm		/nos		
55	2.00	no	Supplying and installation of 40 flush uses readymade concrete septic tank including freight charges loading, unloading, installation as directed by the departmental officers at site.		/no		
56	2.00	no	Constructing a soak pit of size 90 x 90 x 120 cm with solid block masonry in cm 1:5 , laid with vetical joints nor filled with mortar to a depth of 30 fcm from ground level and covered filled with brick bats up to a depth 30 cm beliw from ground level and covered with RCC 1: 1 1/2:3 slab having thickness 8 cm including cost of all materials, labour charges for excavation , fixing , back filling etc complete.		/no		

57			Electrification		%		
			TOTAL				
						Add GST @ 18 %	
						TOTAL	

Rounded to Rs.

Rupees in words :

Signature of
Cotractor:

Name and adress

Place :

Date :