

KERALA CRICKET ASSOCIATION

Additional Civil Works at KCA Cricket Ground & Sports Hub SD/SDV College Alappuzha

Tender Schedule

Sl. No.	Quantity	Description	Rate in Figures	Unit	Rate in words	Amount
PART A: Construction of Sump and Pump Room						
1	100.00 sqm	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.		/sqm		
2	48.00 cum	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. Ordinary rock		/cum		
3	5.00 cum	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.		/cum		
4	5.00 cum	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)		/cum		
5	19.00 cum	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)		/cum		
6	5.00 sqm	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns sqm		/sqm		
7	84.00 sqm	Centering and shuttering including strutting, propping etc. and removal of form work for : Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.		/sqm		
8	45.00 sqm	Centering and shuttering including strutting, propping etc. and removal of form work for : Suspended floors, roofs, landings, balconies and access platform		/sqm		
9	7.00 sqm	Centering and shuttering including strutting,propping etc. and removal of form work for Lintels, beams, plinth beams, girders, bressumers and cantilevers		/sqm		
10	40.66 m	Centering and shuttering including strutting,propping etc. and removalof form work for Edges of slabs and breaks in floors and walls, Under 20 cm wide		/m		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
11	1885.80	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		
12	64.00	m ²	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. (The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.)		/m ²		
13	2.00	no	Supply and fixing C.I cover with frame for manholes 600x600mm square C.I cover (light duty) the weight of the cover to be not less than 23 kg		/no		
14	8.00	cum	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 (1cement :6 coarse sand) etc complete		/cum		
15	3.00	cum	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).		/cum		
16	217.00	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		
17	149.00	m ²	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)		/m ²		
18	49.00	m ²	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)		/m ²		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
19	108.00	m2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm		/m2		
20	1.90	m2	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using flats 30x6mm for diagonal braces and central cross piece		/m2		
21	6.00	m2	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).		/m2		
22	3.80	m2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		/m2		
23	1	LS	Electrification works associated to Sump and Pump room		/LS		
PART B: Rectification work of Compound wall							
24	10	m3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.		/m3		
25	9.8	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		
26	241.6	m2	15mm cement plaster on the rough side of the single or half brick wall of mix : 1:4 (1 cement : 4 Coarse sand)		/m2		
27	241.6	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		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
PART C: Construction of Twin Practice Wickets							
28	104.13	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		
29	4.35	m2	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns		/m2		
30	10.21	m3	Providing and laying in plain 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, Cement consumption should be of 171 kg/cum)		/m3		
31	13.45	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 : 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)		/m3		
32	200.88	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		
33	3.2	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		
34	136.1	m2	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)		/m2		
35	1046.9	kg	Steel work in GI built up tubular (round or square etc.) trusses etc, 50 mm dia, (weight - 3.23 kg/m) including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, painting two coats with epoxy paint including welding and bolted with special shaped washers etc. complete for long fencing as directed by the Engineer in charge		/kg		
36	641.27	m2	Providing and fixing 2.50 mm thick (Black / Green colour) HDPE net for practice nets/ side covering net, as required at the site measurements, mesh size 40x40 etc, including cost and conveyance of all fittings and materials to site, labour charges etc complete as per the direction of Engineer-incharge		/m2		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
PART D: Construction of Main Gate Structure							
37	4.64	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		
38	4.55	m2	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns		/m2		
39	0.38	m3	Providing and laying in plain 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, Cement consumption should be of 171 kg/cum)		/m3		
40	4.55	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 : 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)		/m3		
41	103.64	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		
42	2297.1	kg	Steel work in GI built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved epoxy primer, painting with two coats of epoxy paint including welding and bolted with special shaped washers etc. complete. (Hot finished welded type tubes)		/kg		
43	9.54	m2	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade. Granite stone of any colour and shade		/m2		
44	1	LS	Electrification works associated to Main gate works		/LS		

Sl. No.	Quantity	Description	Rate in Figures	Unit	Rate in words	Amount
PART E: Construction of External Surface Drainage						
45	2249.2	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		
46	2249.2	m3	Transporting the excavated earth within a lead of 1km including hire charges of lorry /tipper ,loading & unloading charges etc.. Complete as per the direction of Engineer in charge	/m3		
47	258.24	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		
48	3437.8	m2	Centering and shuttering including strutting, propping etc. and removal of form for all heights -Walls (any thickness) including attached pilasters, butteresesses, plinth and string courses etc.	/m2		
49	410.2	m3	Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	/m3		
50	39379	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		
51	1822.8	m3	Backfilling & consolidation the earth with light tonnage type machine roller/ hand roller as per the direction of the Engineer in Charge	/m3		
52	425	Eac h	Placing in position of Precast RCC Rectangular Covers on drains of sizes 1000x500x180mm, including cost of cartage, all lead & lift,handling at site , wall top levelling course etc... all complete as per direction of Engineer in charge	/Each		
53	875	Eac h	Placing in position of Precast RCC Rectangular Covers on drains of sizes 800x500x180mm, including cost of cartage, all lead & lift,handling at site , wall top levelling course etc... all complete as per direction of Engineer in charge	/Each		
54	48	m	Providing &fixing 110mm dia 4kgf PVC Pipes fixing in side wall for drain ,to collecting drain water to the drain as per the direction of Engineer in charge	/m		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
55	30	m	Providing & fixing 150mm dia 6kgf PVC Pipes fixing in side wall for drain ,to collecting drain water to the drain as per the direction of Engineer in charge		/m		
56	184.13	kg	Providing and fixing GI Square Gratings of dimension 300mm x300mm x6mm(inside) with cover(heavy duty considered)		/kg		
57	5	Each	Providing, Fixing, testing and commissioning 6 inch diameter PVC Non Return Valve including additional PVC fittings & labours complete as per direction of Engineer in charge		/Each		
PART F: Capacity Enhancement of Existing Pond							
58	180	m3	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. Ordinary rock		/m3		
59	10	days	Dewatering shall be carried out using a 5 HP diesel or electric pump to maintain dry conditions in excavated areas for the duration of construction activities. The pump shall have the necessary capacity to handle site-specific groundwater ingress. Installation shall include appropriate suction and discharge hoses, with suction hoses equipped with strainers to prevent debris entry. Hoses shall be securely clamped and laid out to avoid kinks or obstructions to flow. The pump shall be positioned on stable ground above the high water level, yet close enough for effective suction. Discharged water shall be directed to approved drainage points to prevent site flooding and comply with environmental guidelines. Upon completion of dewatering, the contractor shall demobilize all equipment and accessories, restoring the site to its original condition.		/days		
60	218	m3	Dry rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 Stones shall be laid carefully without mortar, ensuring stable and tight interlocking of stones to maintain structural integrity. No cement mortar shall be used in the masonry, and stones shall be selected and placed to minimize voids. All stones shall be fitted tightly, utilizing smaller stones as fillers where needed, to achieve a compact and robust construction.		/m3		
61	30	m3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)		/m3		
62	60	m2	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns sqm		/m2		

Sl. No.	Quantity	Description	Rate in Figures	Unit	Rate in words	Amount
PART G: Construction of Toilet Block and Surround Filling						
63	70.00	m2	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	/m2		
64	17.00	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		
65	1.75	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		
66	13.00	m2	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns	/m2		
67	21.00	m2	Centering and shuttering including strutting, propping etc. and removal of form for all heights - Columns, Pillars, Piers, Abutments, Posts and Struts	/m2		
68	10.50	m2	Centering and shuttering including strutting, propping etc. and removal of form for all heights - Lintels, beams, plinth beams, girders, bressumers and cantilevers	/m2		
69	2.50	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		
70	0.50	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		
71	365.00	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		
72	6.50	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		
73	16.00	m3	Supplying and filling surroundings and basement with good earth including consolidating each deposited layer by ramming and watering in layers not exceeding 20 cm in depth,	/m3		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
74	85.00	m2	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)		/m2		
75	1.00	m2	Providing and fixing GI rectangle tube grills for windows/ ventilators 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		
76	170.00	kg	Steel work in GI 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		
77	17.00	m2	Providing trafford, coloured trafford sheet roofing 0.50 mm thick or nearest available thickness of approved make (Jindal, Hindalco,Oraliium etc) including vertical or curved surface, cost of materials, labour etc complete as per the direction of departmental officers at site		/m2		
78	1.00	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		
79	8.00	m2	Providing and laying Ceramic glazed floor tiles of size 300x300 mm or available size (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 thejoints with white cement and matching pigments etc., complete.		/m2		
80	24.00	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		
81	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		
82	8.00	nos	Supplying and fixing 15mm CP angle cock 15 mm of approved quality as per the directions of the departmental officers at site.		/nos		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
83	2.00	nos	Supplying and fixing 15mm CP long body tap of approved quality as per the directions of the departmental officers.		/nos		
84	3.00	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		
85	3.00	nos	Supplying and fixing gents urinal pan of approved size and quality as per the directions of the departmental officers.		/nos		
86	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		
87	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		
88	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		
89	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		
90	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 25mm dia 8Kgf/cm2- External work - Exposed on wall		/m		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
91	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 20mm dia 10Kgf/cm ² - Concealed work, including cutting chases and making good the wall etc.		/m		
92	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 20mm dia 10Kgf/cm ² - Internal work - Exposed on wall		/m		
93	5.00	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/cm ² Exposed on wall		/m		
94	5.00	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/cm ²		/m		
95	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/cm ²		/m		
96	2.00	m	Providing and fixing terminal guard PVC Cowl - 75mm		/m		
97	3.00	nos	Providing and fixing PVC gate valve of approved quality : 25 mm nominal bore		/nos		
98	2.00	nos	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore.		/nos		
99	1.50	m ²	Painting with Synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		/m ²		
100	85.00	m ²	Applying one coat of water thinnable Cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer (outside +Inside)		/m ²		
101	85.00	m ²	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)		/m ²		

Sl. No.	Quantity		Description	Rate in Figures	Unit	Rate in words	Amount
102	500.00	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		
103	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		
104	3.00	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		
105	1.00	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		
106	1.00	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		
##	1	LS	Electrification works associated to Toilet Block		/LS		
			TOTAL				
			GST @18%				
			Add for Rounding				
			TOTAL (Incl GST)				

Rupees (in Words):

Place :

Date :

Sign & Seal:

Name & Address of

Contractor:

KERALA CRICKET ASSOCIATION

Additional Civil Works at KCA Cricket Ground & Sports Hub SD/SDV College Alappuzha

ABSTRACT OF ESTIMATE

PART A	Construction of Sump and Pump room	
PART B	Rectification work of Compound walls	
PART C	Construction of twin practice wickets	
PART D	Construction of Main gate structure	
PART E	Construction of external surface drainage	
PART F	Capacity enhancement work for existing pond	
PART G	Construction of Toilet Block and surround filling	
	TOTAL	
	GST	
	Add for rounding	
	TOTAL (Incl GST)	

Rupees (in Words):

Place :

Sign & Seal of Contractor :

Date :

Name & Address of Contractor :

KERALA CRICKET ASSOCIATION

Additional Civil Works at KCA Cricket Ground & Sports Hub SD/SDV College Alappuzha

GENERAL APPROVED MAKE OF MATERIALS

SI no	Item	Approved make
Civil Works		
1	Wall tiles	Kajaria/Cera/Somany
2	Wall and ceiling painting	Jotun/Berger/Asian
3	Floor tiling internal- to be fixed using 3mm spacer and joints to be filled using cementitious joint filler	Kajaria/Cera/Somany
4	Floor tiling toilets	Kajaria/Cera/Somany
5	Floor tiling external	Kajaria/Cera/Somany
6	False ceiling channel	Trusteel/Gyproc
7	Doors Wooden	Anjily/Teak
8	Door/Window UPVC	Fenesta/Prominance/Simta
9	Glass window	Saint gobain
10	Fixed glass with glass door with upvc frame	Fenesta/Prominance/Simta
11	Ventilators	Aluminum- Series 20
12	Granite- Threshold and Countertop	Jet black
13	Steel reinforcement	Tata steel/ Jindal/ JSW/Tulsyan
14	Built up tubular sections- GI	Tata steel/Jindal
15	Roofing sheet- Trufford sheet	Everest/Jindal
16	Cement (OPC 33 Grade)	Ultratech/Ambuja/ACC
17	Granite stones	Jet black
Waterproofing		
1	Wet areas	Fosroc/MYK Lactcrete/Roff
2	Roof area	Fosroc/MYK Lactcrete/Roff
3	Substructure	Fosroc/MYK Lactcrete/Roff
Electrical Works		
1	Switch/socket/MCB/ELCB	Schnider/ABB/Legrand
2	Wires	Polycab/Havells/RR
3	Conduits	Balco/Astral
4	Lights	Philips/Havells/Samsung
Plumbing Works		
1	Sanitary items	Jaguar/Cera/Johnson/Kholer
2	Pipes- UPVC/PVC/ASTM	Astral/Goodwill/ Balco/Finolex
3	CP fittings	Jaguar/Cera/Johnson/Kholer

Note: Selection of materials including CP/Sanitary/Switches/ Lights are subject to approval from the KCA officials