

KERALA CRICKET ASSOCIATION

**CONSTRUCTION OF ELECTRICAL SUBSTATION BUILDING, RECTIFICATION OF PROTECTION WALL AND REPAINTING OF INDOOR COURT AT KCA GROUND
KRISHNAGIRI, WAYANAD**

Tender Schedule

Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
			Part I : Substation Building				
1.01	240.00	cum	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil		/cum		
1.02	50.00	cum	Extra for every additional lift 1.5 m or part there of in excavation / banking excavated or stacked materials. All kinds of soil		/cum		
1.03	13.00	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 : 8 graded stone aggregate 40 nominal size)		/cum		
1.04	20.00	cum	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. All works upto plinth level - Concrete of M25 grade		/cum		

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Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
1.05	21.00	cum	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. All works above plinth level upto floor V level - Concrete of M25 grade		/cum		
1.06	1.00	cum	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards 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) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).		/cum		
1.07	25.00	sqm	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete		/sqm		
1.08	54.00	sqm	Centering and shuttering including strutting, etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Struts		/sqm		
1.09	100.00	sqm	Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers		/sqm		
1.10	100.00	sqm	Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform		/sqm		
1.11	9.00	sqm	Centering and shuttering including strutting, etc. and removal of form for: Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards		/sqm		

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Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
1.12	65.00	sqm	Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc		/sqm		
1.13	2640.00	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		
1.14	2870.00	kg	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo - Mechanically Treated bars of grade Fe-500D or more		/kg		
1.15	70.00	cum	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.		/cum		
1.16	1.00	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 (1 cement :6 coarse sand) etc complete		/cum		
1.17	17.00	cum	Solid masonry using pre cast solid blocks (factory made) of size 30x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 20cm in : CM 1:6 (1 cement : 6 coarse sand) etc complete		/cum		
1.18	6.00	cum	Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x10 cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete		/cum		
1.19	320.00	sqm	12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)		/sqm		
1.20	100.00	sqm	6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)		/sqm		

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Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
1.21	56.00	sqm	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement : 12 mm cement plaster		/sqm		
1.22	41.00	sqm	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.		/sqm		
1.23	420.00	sqm	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		/sqm		
1.24	350.00	kg	Providing, fabricating, supplying and fixing in position G.I folding door with CNC/laser cut decorative panels, comprising of door shutters made from G.I hollow sections for outer frame and for internal members, infilled with G.I sheet of specified thickness CNC cut to approved design/pattern, including necessary stiffeners, edge grinding and finishing; shutters arranged in multi-fold configuration with heavy duty hinges, track with bearing rollers, bottom guide channel, pivot arrangement and stopper system ensuring smooth operation; complete with locking system, handles, tower bolts, rubber buffers and all accessories; including cutting, welding, fabrication and assembly as per approved drawings; surfaces treated with zinc-rich primer including fixing to RCC/steel supports using anchor fasteners, holdfasts or embedded plates, complete in all respects as directed by Engineer-in-charge.		/kg		
1.25	50.00	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. Fixed to steel windows by welding		/kg		

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Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
1.26	55.00	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 conforming to IS : 733 and IS: 1285, 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.(Glazing, paneling and dash fasteners to be paid for separately):For fixed portion- Powder coated aluminium (minimum thickness of powder coating 50 micron)		/kg		
1.27	35.00	kg	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)		/kg		
1.28	6.00	sqm	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 4.0 mm thickness (weight not less than 10kg/sqm)		/sqm		
1.29	50.00	sqm	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work		/sqm		
1.30	950.00	kg	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete		/kg		
1.31	20.00	sqm	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.		/sqm		

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Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
1.32	20.00	sqm	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer in-charge. (Old CC paver blocks shall be supplied by the department free of cost).		/sqm		
			Total - Part I : Substation Building				
			Part II : Rectification of Protection wall				
2.01	10.00	days	Removal of damaged rubble retaining wall using hydraulic excavator including demolishing of the existing rubble masonry if required, handling and removal of dismantled materials including earth, loading and stacking the reusable materials at the designated location within the site upto 1 km, including engaging hydraulic excavator with operator, fuel, necessary labour, shifting of excavator within the site etc complete as directed by the Engineer-in-Charge.		/days		
2.02	70.00	cum	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil		/cum		
2.03	75.00	cum	Extra for every additional lift 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil		/cum		
2.04	2.00	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 : 8 graded stone aggregate 40 nominal size)		/cum		
2.05	50.00	cum	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. All works upto plinth level - Concrete of M25 grade		/cum		

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Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
2.06	5.00	Sqm	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete		/Sqm		
2.07	96.00	Sqm	Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc		/Sqm		
2.08	3775.00	Kg	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more		/Kg		
2.09	55.00	cum	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.		/cum		
2.10	10.00	m	PVC WEEP HOLES- Providing weep holes using 75mm dia. PVC pipes working pressure 4kg /sq.cm including cost of materials, conveyance, labour charges etc. complete.		/m		
			Total -Part II : Rectification of Protection wall				

Tender Schedule

Sl No	Qty	Unit	Item Description	Rate (in Figures)	Unit	Rate (in Words)	Amount
			Part III : Repainting of Indoor Court				
3.01	550.00	sqm	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		/sqm		
3.02	550.00	sqm	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. two coat		/sqm		
3.03	30.00	labour	Providing necessary labour for shifting, carrying, stacking, sorting, and arranging all types of stored materials, equipment, furniture, fixtures, and other miscellaneous items from the existing storage location or floor to the designated location within the premises, as directed by the Engineer-in-Charge. The work shall include manual handling, loading, unloading, lifting, transportation through staircases, corridors, or other accessible routes, careful placement without causing damage to the materials or the existing building, re-stacking in an orderly manner, cleaning, labour and safety measures required for the satisfactory completion of the work. The rate shall include all leads, lifts, repeated handling wherever necessary, and complete execution as directed by the Engineer-in-Charge.		/labour		
			Total -Part II : Roofing Works of Pavilion Building				

Overview	
Part I : Substation Building	
Part II : Rectification of Protection wall	
Part III : Repainting of Indoor Court	
Total	
GST	
Total (Incl of GST)	

Rupees in Words:

Place :

Date:

Sign & Seal of Contractor

Name & Address: