

KERALA CRICKET ASSOCIATION

**NAME OF WORK : RE- CONSTRUCTION OF COLLAPSED RETAINING WALL, DRAINAGE
AND ALLIED WORKS AT KRISHNAGIRI CRICKET STADIUM, WAYANAD**

TENDER SCHEDULE

Item No	Quantity	Unit	Details of work	Unit	Rate		Amount
					in figures	in words	
			APPENDIX A - RE CONSTRUCTION OF COLLAPSED DRY RUBBLE RETAING WALL				
1	275.00	m3	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable materials to a place as per direction of Engineer-in-charge	/ m3			
2	70.00	m3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to a place as per direction of Engineer-in-charge	/ m3			
3	620.00	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-in-charge.(Initial lift up to 1.50 m)	/m3			
4	620.00	m3	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. (First lift above 1.50 m up to 3.00 m)	/m3			
5	620.00	m3	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. (Second lift above 3.00 m up to 4.50 m)	/m3			
6	620.00	m3	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. (Third lift above 4.50 m up to 6.00 m)	/m3			
7	100.00	m3	Segregation of rubble from collapsed earth and stacking the same within a distance of 50 m from source as per the direction of Engineer at site	/m3			

Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
8	30.00	m3	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 upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as directed by Engineer-in-charge (For foundation of DR work)	/ m3		
9	525.00	m3	Dry rubble masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Engineer-in-charge at site	/ m3		
10	248.00	m3	DR with Departmental. Stone - Dry rubble masonry using departmental rubble including packing to compactness to lines and levels, labour charges etc. complete as per direction of Engineer-in-charge at site	/ m3		
11	75.00	m2	Centering and shuttering including strutting, propping etc. and removal of form for retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, etc. complete for sides of lacing course	/ m2		
12	65.00	m3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size, Quantity of cement should be of 320 kg/cum)	/ m3		
13	4000.00	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 (Grade Fee-500)	/ kg		
			APPENDIX B - CONSTRUCTION OF R.C.C RETAINING WALL AND RELATED WORKS			

Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
14	1130.00	m	Boring, providing and installation of bored cast-in-situ reinforced cement concrete piles of grade M-25 of 500 mm diameter and length below pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. by Crawler mounted, telescopic boom hydraulic piling Rig all complete, including removal of excavated earth with all its lifts and leads (length of pile for payment shall be measured up to bottom of pile cap). (Note: Truck Mounted rotary/TMR/Tube well boring machine shall not be used.)(Cement consumption should be of 4000 kg/cum and steel should be of Fe - 500 grade)	/ m		
15	4.50	m3	Chipping and removing the top of R C C piles to the lines and levels carefully without damaging the remaining portion and removing the debris to a distance of 50m	/m3		
16	1.00	No	Vertical load testing of piles initial test single pile up to 50 tone safe capacity in accordance with IS 2911 (part -4) including installation of loading platform by Kentledge or anchor piles method and preparation of pile head for construction of test cap and dismantling of test cap after test etc complete as per specification and the direction of engineer in charge. Testing agency shall submit the design of loading platform for the approval of engineer in charge.	/test		
17	135.00	m3	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 upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as directed by Engineer-in-charge	/ m3		
18	35.00	m3	Providing and laying in position cement concrete of specified grade - 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size) excluding the cost of centering and shuttering - All work up to plinth level etc. complete as directed by Engineer-in-charge (Cement consumption should be of 171 kg/cum)	/ m3		
19	98.00	m2	Centering and shuttering including strutting, propping etc. and removal of form for pile cap Foundations, footings, bases of columns, etc. for mass concrete.	/ m2		

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Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
20	850.00	m2	Centering and shuttering including strutting, propping etc. and removal of form for retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	/ m2		
21	85.00	m2	Centering and shuttering including strutting, propping etc. and removal of form for all heights for Columns, Pillars, Piers, Abutments, Posts and Struts etc	/ m2		
22	320.00	m2	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).	/ m2		
23	205.00	m3	Reinforced cement concrete work 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size). in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. including all cost of watering, curing etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement etc, complete as per the directions of departmental officers at site (Cement used should be of 400 kg/cum)	/ m3		
24	84065.00	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 Fe-500 grade	/ kg		
25	1350.00	kg	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. For MS grating at open drain portions	kg		
26	25.00	m2	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. on steel works	m2		
27	150.00	m2	Plastering with cement mortar 1:4, 12mm thick one coat to inside walls including curing etc complete 1:4 (1 cement : 4 fine sand)	/1m2		
28	40.00	m2	Plastering with cement mortar 1:3, 12mm thick one coat to outside walls including curing etc complete 1:3 (1 cement : 3 fine sand)	/ m2		

Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
29	40.00	m	Supplying and providing 150 mm dia PVC pipe (4 kg/cm ²) across the RCC retaining wall for drainage purpose as directed by the Engineer in charge.	/ m		
30	50.00	m	Supplying and providing 110 mm dia PVC pipe (4 kg/cm ²) across the DR retaining wall for weep holes (drainage purpose) as directed by the Engineer in charge.	/ m		
31	125.00	m	Supplying and providing 50 mm dia PVC pipe (4 kg/cm ²) across the retaining wall for drainage purpose as directed by the Engineer in charge.	/ m		
32	440.00	m ²	Painting outside walls and roof two coats with ready mixed Premium Acrylic Smooth exterior paint with Silicone additives of required shade	/ m ²		
			APPENDIX C - BACK FILLING, PREPARATION OF OUTFIELD , LAND SCAPING AND OTHER WORKS			
33	1200.00	m ³	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, watering & leveling etc, complete as per the directions of departmental officers at site	/ m ³		
34	800.00	m ³	Earth filling in soft land area with available excavated earth (excluding rock) in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming, watering & leveling including conveyance to spot etc, complete for preparing landscaping mount as per the directions of departmental officers at site	/ m ³		
35	300.00	m ³	Supplying and filling in ground with contractor's own good quality earth including consolidating each deposited layer by ramming and watering in layers not exceeding 20 cm in depth, as directed by the Engineer in charge	/ m ³		
36	160.00	m ³	Supplying and stacking sieved river sand (Medium coarse sand)for preparation of out field and practice pitches including cost of conveyance of all materials to site, labour charges etc, complete.	/ m ³		
37	45.00	m ³	Supplying and stacking of Neo pit for preparation of out field including cost of conveyance of all materials to site, labour charges etc, complete.	/ m ³		
38	45.00	m ³	Supplying and stacking sieved red earth for preparation of out field and practice pitches including cost of conveyance of all materials to site, labour charges etc, complete.	/ m ³		

Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
39	1550.00	m2	One part sieved red earth and one part neopit and 4 parts sieved sand)with processed manure. Mixing with Neo pit, spreading, levelling in required slope for out field area and practice pitch. Turfing the slopes with sods including trimming dressing and watering as required until the turf properly takeout root and continue for a period of not less than six month, including cost and conveyance of Bermuda grass planting charges, watering mowing to the required slope and shape and direction of the Agronomist and Engineer (Excluding cost of Sand, Red earth and Neo pit)	/ m2		
40	950.00	m2	Preparation of Landscaping mound in 50 mm thick with sieve red earth, processed manure, mixing, spreading and levelling in required slope for Landscaping mound. Turfing the slopes with sods including trimming dressing and watering as required until the turf properly takeout root and continue for a period of not less than six month, including cost and conveyance of Bermuda grass planting charges, watering mowing to the required slope and shape and direction of the Agronomist and Engineer	/ m2		
41	950.00	m2	Supplying and laying with geotextiles having GSM 740 including cost of all materials and labour charges for laying and fixing in position properly as per the direction of Engineer - in - charge	/ m2		
			APPENDIX D - FENCING WITH CHAIN LINK, TALL FENCING FOR PROVIDING NYLON NET ETC. AND ALLIED WORKS			
42	10.00	m3	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 upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as directed by Engineer-in-charge (For footings to GI posts)	/ m3		
43	10.00	m3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size, Quantity of cement should be of 320 kg/cum)	/ m3		

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Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
44	3600.00	kg	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., 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		
45	1000.00	kg	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and two coats of epoxy paint all complete. for tubular works for chain link fencing at out field	/ kg		
46	100.00	m2	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge(Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer dia not less than 5 mm in required colour and shade)	/ m2		
			APPENDIX E - POP UP SPRINKLER SYSTEM			
47	90.00	m3	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 upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as directed by Engineer-in-charge (For springler system)	/ m3		
48	40.00	m	Supply, installation, testing and commissioning of ISI marked 110 mm PVC pipe 10 kg / cm2 with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		
49	40.00	m	Supply, installation, testing and commissioning of ISI marked 90 mm PVC pipe 10 kg / cm2 with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		

Contractor

Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
50	30.00	m	Supply, installation, testing and commissioning of ISI marked 75 mm PVC pipe 10 kg / cm ² with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		
51	20.00	m	Supply, installation, testing and commissioning of ISI marked 63 mm PVC pipe 10 kg / cm ² with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		
52	20.00	m	Supply, installation, testing and commissioning of ISI marked 50 mm PVC pipe 10 kg / cm ² with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		
53	15.00	m	Supply, installation, testing and commissioning of ISI marked 40 mm PVC pipe 10 kg / cm ² with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		
54	15.00	m	Supply, installation, testing and commissioning of ISI marked 32 mm PVC pipe 10 kg / cm ² with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		
55	10.00	m	Supply, installation, testing and commissioning of ISI marked 25 mm PVC pipe 10 kg / cm ² with necessary fittings bend, tee etc, Supreme or Finolex or equivalent quality and the works are to be carried out as per the direction of Engineer in charge	/ m		
56	7.00	nos	Supply, installation, testing and commissioning of POP UP SPRINKLER ROTAR BIG - STEEL RISER with all fittings etc, HUNTER or RAIN BIRD of 18 mtr radius with ISI mark and the works are to be carried out as per the direction of Engineer in charge	/ each		

Item No	Quantity	Unit	Details of work	Unit	Rate	Amount
57	5.00	nos	Supply, installation, testing and commissioning of POP UP SPRINKLER ROTAR BIG - STEEL RISER with all fittings etc, HUNTER or RAIN BIRD of 9 mtr radius with ISI mark and the works are to be carried out as per the direction of Engineer in charge	/ each		
			TOTAL	Rs.		

TOTAL (in words)

Name and signature of Contractor:

Adress of Contractor

Note: 1. The rates quoted should be of excluding GST

2. All statutory deductions such as IT, Cess, K.C.W.W.F etc. will be made from the bill