

SPECIAL REPAIR OF STRUCTURAL REHABILITATION AND ELECTRICAL WORKS IN ESI HOSPITAL AT TRICHY

FINANCIAL BID

S.No	DSR No	Description of item	unit	Quantity	Rate	Amount
1.1	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for all heights : - Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	54.00		
1.2	5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for all heights : - Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	432.00		
2.1	5.11.1	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured). - Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	Sqm	231.00		
3.1	5.22A.6	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-500 D or more	Kg	960.00		
4.1	10.16.2	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, including welding and bolted with special shaped washers etc. complete. - Hot finished seamless type tubes	Kg	1000.00		
5	12.50	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shapewherever required. - for sunshade	Sqm	72.00		
6	13.12	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge	Sqm	621.00		

S.No	DSR No	Description of item	unit	Quantity	Rate	Amount
7	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	Sqm	1417.50		
8	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	Cum	50.00		
9	1.1.18	"Disposal of moorum/ building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-Charge.	Cum	50.00		
10	MR	ANCHORING :Mark the position of holes to be drilled for anchoring the rebar into the lintel beam/beam. Drill 12mm dia holes in the marked places using rotary hammer drilling machine of reputed make to a depth of 100mm into the lintel beam/beam. Clean the holes neatly and wash the same with jet of water. Allow it to dry and make sure that no fine dust particles are present in the holes. Mix the base and hardener of the polyester resin and fill the same 1/3rd of the hole depth. Fix the rebar for anchoring gently finish the surface around the rebar area, using the same material which comes out of the hole excessively.	No.	3720.00		
11	MR	ANTICORROSIVE COATING :Clean the reinforcement steel using the rust remover if any rust, otherwise clean the rebar free of foreign material. Mix the base and hardener of the zinc rich epoxy resin mechanically . Apply the same to the cleaned rebar immediately before harden . etc complete.	Sqm	168.00		

S.No	DSR No	Description of item	unit	Quantity	Rate	Amount
12	MR	Providing and applying of Epoxy Jointing compound after thoroughly Mixing the base and hardener of the epoxy compound as per manufactures specification and apply the same to the prepared lintel beam/beam surface. Make sure that the concreting should be done within 3 hours of application as per the direction of Engineer in charge.	Sqm	336.00		
13	MR	Providing and fixing GALVANIC ANODES (Galvashield XP or Equivalent) at Select a location as close as practical to the edge of the dismantled area in the repair zone after checking the continuity of the steel reinforcement, if required restoration of continuity by effective means. Tighten tie wires using Galvashield Fixing Tool so that no free movement is possible, thus ensuring good electrical continuity. To test electrical continuity between tie wires and reinforcement bar a continuity meter should be used. The Galvashield XP anode(s) shall be thoroughly pre-soaked in clean water for a minimum of 4 hours and a maximum of 6 hours, prior to the Laying concrete.	No.	70.00		
14	MR	Providing and laying MICRO CONCRETING using Rendroc RG or equivalent and 12mm down graded HBG aggregates in the ratio of 2: 1 (Two part Rendroc RG and one part 12mm HBG) by weight with f water as per the manufactures specification and pour / place the same well before the epoxy jointing compound dries up. - etc.complete.	Sqm	378.00		
15	MR	Extra for adding Polymer Modifying agent (Nitoband SBR or equivalent in plastering (DSR item 13.12) dosing as per manufacturers specification	Sqm	252.00		
16	5.2	Earthing with GI earth pipe 4.5 mtr long, 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangements and water pipe arrangements etc. with charcoal and salt as required	Nos	7.00		
17	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required	Set	7.00		
18	5.7	Supplying and laying 8 SWG copper wire at 0.50 mtr below ground level / on wall conductor earth electrode including connection/ termination as required	Mtr	50.00		

S.No	DSR No	Description of item	unit	Quantity	Rate	Amount
19	7.1.4	Laying one no PVC insulated and pvc sheathed / XLPE power cable of 1.1KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling etc- Above 185sqmm and upto 400Sqmm	Mtr	250.00		
20	Part E 1(I)	Service connection accessories L.T. 1100V PVC aluminium armoured U G cable with ISI mark.- 3.5 core 185 sqmm PVC armoured UG cable	Meter	150.00		
21	Part I (O) 4m	Cable Glands suitable for 3.5 core 185 Sqmm UG cable	Each	10.00		

TOTAL