

Preiminary Cum Detailed Estimate (Based on DSR 2023)

Name of the work: -Special Repairs for providing Tensile Fabric Membrane shed at ESIC Super speciality Hospital, SanathNagar ,Hyderabad.

Item No	DSR 2023	Description	No	L	B	H	quantity	Unit	Rate (in Rs/unit)	Amount (in Rs)
1	5.2	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 :								
2	5.2.2	: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)	6	1.1	0.75	0.6	2.97	Cum	10852.95	32233.2615
3	5.9	Centering and shuttering including strutting , propping etc. and removal of form for:								
4	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	6	1.1	1.4		9.24	Sqm	961.3	8882.41
5	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.								
6	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	1				233.15	kg	107.85	25144.69
7.0	12.7	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3 mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.								
8	12.7.2	0.63 mm thick with zinc coating not less than 275 gm/m²	1	122			122.00	meter	944.05	115174.10
9	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 challies, 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 Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	1	122		15	1830	sqm	338.25	618997.50
Sub Total(A)										800431.96
10.0	TBSC-R.1-56	Designing, supplying and fixing/ erecting Cable and/or frame supported tensioned membrane covered fabric structure, incorporating a fabric with low elongation characteristics under tension and capable of an anticlastic configuration, the Tensile Membrane structure using PET yarns covered with a thicker PVC-coating/ PVDF coating of 900 GSM on both sides to protect the fabric with properties of Anti-Wicking, Maximum Tensile Strength 5000/4300 N/cm2, Tear Resistance 600/500 N, Adhesion 140 N/cm2, cold and heat resistance in range - 50 to 70 degrees centigrade, light fastness >= 7, light transmission 6.46%, radiation transmission 7.79% complete for finished item of work including cables and fittings, Perimeter, catenary, and sectionalized aluminium clamping system, Structural steel, including masts, trusses, struts, and beams as indicated on the drawings, Fasteners and gaskets etc with a warranty of 20 year								
		For edge to edge of canopy	1.00	61	26.00		1586			
		Remaining portion near expansion joint	1.00	15	3.00		45			
		Total					1631	sqm	4393.10	7165148.871
		Sub total (B)								7165148.871
		Add 0.973 of modified estimated cost after using correction factor on DSR 2023 items (0.973*Sub Total A)..C								778820.30
		Sub Total (A+B+C)								7943969.17

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15/10/2025
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