



## **Employees State Insurance Corporation**

**REGIONAL OFFICE**  
**HYDERABAD: TELANGANA**  
(Ministry of Labour & Employment, Govt. of India)  
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### **Preliminary cum Detailed Estimate**

**Name of Work:- Construction of Compound Wall ( Balance work) and other works in  
ESI Dispensary Premises Ramagundam, Telangana.**

**Estimated Cost : Rs 38,72,361/- including 5% contingencies .**

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**Name of Work:- Construction of Compound Wall ( Balance work) and other works in ESI Dispensary Premises Ramagundam, Telangana.**

The preliminary cum detailed estimate amounting to Rs 38,72,361/- including 5% contingencies has been framed to cover the probable cost of the above mentioned work for obtaining the Administrative Approval and Expenditure Sanction of the competent Authority.

The Estimate is prepared for Construction of Compound Wall ( Balance work) and other works in ESI Dispensary Premises Ramagundam, Telangana . CPWD was entrusted with the construction of compound wall and they have not taken up the compound wall for a length of 31.60 Rm. BM Ramagundam vide mail dated 03.01.2025 have submitted the letter of Security Guard in which it was stated that people are entering into the premises from the left over portion of compound wall and not possible for watch and ward due to heavy bushes. Further it was also stated that some illegal activities like drinking and playing cards are being happened and some collecting tree branches for cooking purpose and requested to clean bushes and for plantation.

The Estimate is prepared for taking up the balance work of compound wall, removal of bushes and for developing **LANDSCAPE** in **TOT - LOT**.

## Design & Scope:

The following provisions have been made in the estimate for Construction of Compound Wall ( Balance work) and other works in ESI Dispensary Premises Ramagundam, Telangana.

- 1 Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm
- 2 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.
- 3 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc.
- 4 Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge
- 5 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)
- 6 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)
- 7 Centering and shuttering including strutting, propping etc. and removal of form for
- 8 Concrete of M25 grade with minimum cement content of 330 kg /cum
- 9 Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in : 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)
- 10

- 11 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.
- 12 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.
- 13 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)
- 14 Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length ( total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) /
- 15 Supplying and stacking of good earth at site including royalty and carriage upto 5 km lead complete (earth measured in stacks will be reduced by 20% for payment).
- 16 Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) :.

The estimate amount above is likely to vary further if there is any change in scope, specification, rates of material and labour and fees if any to be levied by the local bodies for approving the plans etc.

Specifications: Work will be carried out as per CPWD specifications 2019 Vol I & II with upto date correction slips.

Cost: Rs 38,72,361/- including 5% contingencies .

Rates: DSR 2023 with present cost Index.

Land: Available

Method: By contract after calling e-Tenders.

Time: 15 days for planing and 120 days for execution after receipt of A/A & E/S.

T & P: To be arranged by the contractor.

K. 26/03/2025  
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 जूनियर अभियंता (सिविल) / Junior Engineer (Civil)  
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 E.S.I.C, Regional Office Telangana  
 हैदराबाद-500 063/ Hyderabad-500 063

26/3/2025  
 रावि कुमार थोगरु  
 RAVI KUMAR THOGARU  
 कार्यपालक इंजिनियर  
 Executive Engineer  
 क.रा.वी. निगम/E.S.I. CORPORATION  
 क्षेत्रीय कार्यालय, हैदराबाद/R.O., HYD.



**Name of Work:- Construction of Compound Wall ( Balance work) and other works in ESI Dispensary Premises Ramagundam, Telangana.**

**SCHEDULE**

S.No	Item Number	Description	Qty	Unit	Rate(As per DSR 2023)	Amount in Rs.
1	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared				
			15000.00	Sqm	17.60	264000
2	2.8.1	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.				
		In all soils	218.00	Cum	260.30	56745
3	2.25	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				
			172.58	Cum	196.00	33826
4	2.36	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge				
			45.42	Cum	93.05	4226
5	4.1.8	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) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	14.60	Cum	6812.00	99455
6	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	14.60	Cum	9895.2	144470
7		Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	58.40	Sqm	392.15	22902
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	57.24	Sqm	736.4	42152

	5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for				
		Columns, Pillars, Piers, Abutments, Posts and Struts				
			32.16	Sqm	961.3	30915
8	5.33	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.: Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.1	All works upto plinth level :				
	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum				
			16.22	Cum	9504.75	154167
	5.33.2	All works above plinth and upto floor V level				
	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum				
			6.80	Cum	9860.4	67051
9	6.34	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :				
	6.34.2	Cement mortar 1:6 (1 cement : 6 Coarse sand)				
			28.27	Cum	8752.55	247435
#####	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.				
			179.76	Sqm	537.45	96612
11	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.				
			1841.60	Kgs	107.85	198617
12	10.2	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.				
			2000.00	Kgs	133.7	267400
13	13.46.1	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)				
			120.87	Sqm	160.6	19412



14	16.53	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq. mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	31.60	Rm	375.80	11875
15	2.2/LMR	Supplying and stacking of good earth at site including royalty and carriage upto 5 km lead complete (earth measured in stacks will be reduced by 20% for payment).	970.20	Cum	1202.70	1166860
16	2.4/LMR	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) :.	646.80	Cum	580.00	375144
Sub Total						3303264
Modified Estimate Cost after using conversion factor on DSR 2023 on account of GST @ 0.973						3214076
Add cost index 118-107/107						330419
Total						3544495

W. 26/03/2025.  
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R. Ravi Kumar 26/3/2025  
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