

# **Employees State Insurance Corporation**

## **Preliminary cum Detailed Estimate**

**Name of Work :Special Repairs to ESIC Regional Office and Staff Quarters at  
Adarshnagar, Hyderabad**

**Estimated Cost : Rs 29,92,462/- including 5% contingencies .**

(PK)



# Employees State Insurance Corporation

## **Name of Work :Special Repairs to ESIC Regional Office and Staff Quarters at Adarshnagar, Hyderabad**

The preliminary cum detailed estimate amounting to Rs 29,92,462/- 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 Deputy director (General) of RO Hyderabad vide UO dated 11.06.2024 has requested to construct four rooms/cabins in the open hall area beside the canteen to cater the need for additional space for the storage of files and documents, as well as for accomodating the newly joined officers in ESIC RO Hyderabad. In addition to the above water proofing is to be carried out in A and C Blocks of Staff quarters. Detailed estimate is prepared for the above including provision for water tanks etc.

### **Design & Scope:**

The following provisions have been made in the estimate for Special Repairs to ESIC Regional Office and Staff Quarters at Adarshnagar, Hyderabad.

- 1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.
- 2 Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level.
- 3 20 mm cement plaster on the rough side of single or half brick wall of mix.
- 4 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:
- 5 Wall painting with premium acrylic emulsion paint of interior grade.
- 6 Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections.
- 7 Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof.
- 8 Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover.
- 9 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings.

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 2009 Vol I & II with upto date correction slips.

Cost: Rs 29,92,462/- including 5% contingencies .

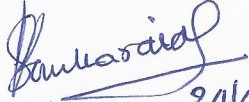
Rates: DSR 2023 .

Land: Available

Method: By contract after calling e-Tenders.

Time: 30 days for planing and 120 days for execution after receipt of A/A & E/S.

T & P: To be arranged by the contractor.



24/06/24

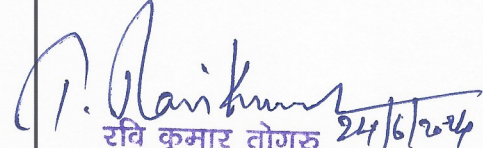
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K. 2

24/6/2024

Junior

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24/6/2024

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Detailed Estimate										
Name of Work :Special Repairs to ESIC Regional Office and Staff Quarters at Adarshnagar, Hyderabad										
SI No	CODE	SUB-HEADS AND ITEM OF WORK	No	L	B	D/H	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
1	4.1.3	CONCRETE WORK								
		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :								
		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).								
			2	4.10	3.00	0.10	2.46			
			1	5.10	3.80	0.10	1.94			
			1	2.80	3.80	0.10	1.06			
		Total					5.46	7878.50	cum	43017.00
2	6.34.2	MASONRY WORK								
		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 :								
		Cement mortar 1:6 (1 cement : 6 Coarse sand)								
			2	4.1	0.23	0.15	0.28			
			1	6.00	0.23	0.15	0.21			
			2	7.9	0.23	0.15	0.55			
			3	3.80	0.23	0.15	0.39			
		base for water tanks	2	1.20	1.2	0.15	0.43			
							1.86	8752.55	cum	16280.00
3	13.3.1	FINISHING								
		20 mm cement plaster on the rough side of single or half brick wall of mix :								
		1:4 (1 cement: 4 fine sand)								
			2	4.1	0.73		5.99			
			1	6.00	0.73		4.38			
			2	7.9	0.73		11.53			
			3	3.80	0.73		8.32			
			2	4.10	3		24.60			
			1	5.1	3.8		19.38			
			1	2.80	3.8		10.64			
		base for water tanks	2	1.20	1.2		2.88			
		sides for water tanks	2	4.80	0.15		1.44			
		Total					89.16	471.35	sqm	42027.00
4	11.41.2	FLOORING								
		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm								
		for flooring	1	4.10		6.00	24.60			
			1	5.10		3.80	19.38			
			1	2.80		3.80	10.64			
							54.62	1553.45	Sqm	84849.00
5	11.46.2	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm								
		for skirting	1	28.40		0.10	2.84			
			1	17.80		0.10	1.78			
			1	13.20		0.10	1.32			
							5.94	1623.05	Sqm	9641.00
6	13.85.3	Applying Priming coats with water primer of approved brand and manufacture having low VOC content with water thinnable cement primer on wall surface having VOC content less than 50 grams/litre								
		Water thinnable cement primer								
		Ceiling	1	9.8	10.2		99.96			
		walls	2	9.8		4.1	80.36			
			1	2.3		4.1	9.43			
			1	10.2		4.1	41.82			
							231.57	73.95	sqm	17125.00



SI No	CODE	SUB-HEADS AND ITEM OF WORK	No	L	B	D/H	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)	
7	13.80	CONCRETE WORK									
		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.									
		Ceiling	1	9.8	10.2		99.96				
		walls	2	9.8		4.1	80.36				
			1	2.3		4.1	9.43				
			1	10.2		4.1	41.82				
8	13.83.2	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.:					231.57	156.05	sqm	36136.00	
		Two coats									
		Ceiling	1	9.8	10.2		99.96				
		walls	2	9.8		4.1	80.36				
			1	2.3		4.1	9.43				
			1	10.2		4.1	41.82				
9	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.					231.57	142.80	sqm	33068.00	
		Two coats									
		Ceiling	1	9.8	10.2		99.96				
		walls	2	9.8		4.1	80.36				
			1	2.3		4.1	9.43				
			1	10.2		4.1	41.82				
10	21.1	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).					231.57	25.15	sqm	5824.00	
		Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)									
		101.60x44.45 for partitions									
			60			4.10	246.00				
		horizontals	5	40			200.00				
		add extra for doors	8			2.40	19.20				
			12	0.9			10.80				
		for mesh doors in Officers Quarters					224.00				
							700.00				
							1994.30	539.85	Kg		1076623.00
		considering 2.849kg/RM									
11	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer in-charge.									
		Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side									
			2	37.6		0.9	67.68				
		Total in sqm					67.68	1139.30	Sqm		77108.00



SI No	CODE	SUB-HEADS AND ITEM OF WORK	No	L	B	D/H	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
		CONCRETE WORK								
12	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).								
			1	37.6		0.9	33.84		Sqm	
							considering 3.766kg/Sqm	127.44		
								638.35	Kg/Sqm	81352.00
13	21.19.3	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600, Upto 20 mm depth and 20 mm width								
			24	4.1			98.4			
			2	37.6			75.20			
						Total	173.60	663.20	Rm	63052.00
14	21.3.3	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 . (Cost of aluminium snap beading shall be paid in basic item)With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm) With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)								
		Wall length	1	37.6		1.2	45.12			
						Total	45.12	1665.40	Sqm	76045.00
15	22.22A	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.								
		For Staff quarters A Block	1	15.9	6.90		109.71			
		C Block	1	20.5	7.00		143.50			
							253.21	563.10	sqm	142583.00
16	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.								
			####				10000.00			
							10000.00	11.00	Ltr	110000.00
						Total Qty				



SI No	CODE	SUB-HEADS AND ITEM OF WORK	No	L	B	D/H	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs)
		CONCRETE WORK								
	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.								
17	18.9.2	20 mm nominal dia Pipes	1	100			500.00	274.30	RM	137150.00
	18.9.3	25 mm nominal dia Pipes	1	100			200.00	355.40	RM	71080.00
	18.9.4	32 mm nominal dia Pipes	1	100			200.00	438.60	RM	87720.00
	18.9.5	40 mm nominal dia Pipes	1	100			200.00	563.05	RM	112610.00
	18.9.6	50 mm nominal dia Pipes	1	100			100.00	794.25	RM	79425.00
										2402715.00
										336380.00
										136955.00
										116412.00
										2992462.00

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