



Employees State Insurance Corporation

**REGIONAL OFFICE
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Preliminary cum Detailed Estimate

**Name of Work:- Special Repairs to Ground Floor of IPD Block in ESIS Hospital
Nacharam, Hyderabad, Telangana.**

Estimated Cost : Rs 54,43,347/- including 5% contingencies .

Employees State Insurance Corporation

Name of Work:- Special Repairs to Ground Floor of IPD Block in ESIS Hospital Nacharam, Hyderabad, Telangana.

The preliminary cum detailed estimate amounting to Rs 54,43,347/- 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 Special Repairs to Ground Floor of IPD Block in ESIS Hospital Nacharam, Hyderabad, Telangana . The Estimate is prepared based on the request received from MS Nacharam (Lr No Spl/ESI/HL/SNR/HDC/25 Dated 08.01.2025) to convert old Covid ward into Casualty ward. The proposed site was inspected by team of Engineers from RO Telangana along with MS Nacharam on 23.01.2025.

Design & Scope:

The following provisions have been made in the estimate for Special Repairs to Ground Floor of IPD Block in ESIS Hospital Nacharam, Hyderabad, Telangana.

- 1 Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :
- 2 Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceostory windows & other Frames
- 3 Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter
- 4 Fixing chowkhats in existing opening including embedding chowkhats in floors
- 5 Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts
- 6 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:3 (1 cement :3 coarse sand)
- 7 Concrete of M25 grade with minimum cement content of 330 kg /cum
- 8 Centering and shuttering including strutting, propping etc. and removal of form work for :
- 9 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.
- 10 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) f
- 11 Providing and laying Ceramic glazed floor tiles of size 300x300 mm
- 12 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622

- 13 Providing and laying Vitrified tiles in floor in different sizes
- 14 Three track three panels sliding window two glazed & one wire mesh panels with Aluminium channel
- 15 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
- 16 Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap

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 leveled 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 54,43,347/- 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. Raja Babu
25/02/2025

के. राजा बाबू / K RAJA BABU

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E.S.I.C, Regional Office Telangana

हैदराबाद-500 063/ Hyderabad-500 063

Ravi Kumar Thogaru

रवि कुमार तोगरु

RAVI KUMAR THOGARU

कार्यपालक इंजिनियर

Executive Engineer

क.रा.बी. निगम/E.S.I. CORPORATION

क्षेत्रीय कार्यालय, हैदराबाद/R.O., HYD.

**Name of Work:- Special Repairs to Ground Floor of IPD Block in ESIS Hospital
Nacharam, Hyderabad, Telangana.**

SCHEDULE

S.No	DSR No	Description	Qty	Unit	Rate(As per DSR 2023)	Amount in Rs.
1	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :	35.00	Each	367.20	12852
2	26.86.1	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceostory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately) Frame size 45 X 70 mm	76.50	Rm	705.85	53998

3	26.88.1	<p>Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm², modulus of elasticity 850 N/mm² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately) 30 mm thick</p>				
			28.35	Sqm	4764.2	135065
4	14.2.1	<p>Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in Charge.</p>				
			15.00			
Door chowkhats			15.00	Each	1782.55	26738

5	14.2.2	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in Charge.				
			20.00	Each	1125.15	22503
6	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:3 (1 cement :3 coarse sand)				
			348.15	Sqm	1150.50	400547
7	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				
		Concrete of M25 grade with minimum cement content of 330 kg /cum				
	5.33.2.1	All works above plinth level upto floor V level				
			54.31	Cum	9860.40	535518
8	4.3.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
			7.65	Sqm	961.30	7354

9	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more	5431.00	Kgs	107.85	585733
10	13.12	Cement plaster in 2 coats				
		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				
11	11.38	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	450.00	Sqm	537.45	241853
		Size of Tile 300x300 mm				
12	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	29.37	Sqm	1315.30	38630
13	11.41A.1.3	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm 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. The tiles must be cut with the zero	350.00	Sqm	1267.95	443783
		Size of Tile 600 x 1200 mm				
			800.00	Sqm	1577.15	1261720

14	9.147.A4.1	Three track three panels sliding window two glazed & one wire mesh panels with Aluminium channel for roller tack, wool pile, nylon rollers with SS 304 body. Using R2 series with frame (70 mm & above) X (40 mm & above) & both glazed and fly screen sash (25 mm & above) X (50 mm & above) with zinc alloy (zamak) powder coated touch locks with hook (height upto 1.2 meter).				
			54.00	Sqm	10993.55	593652
15	13.83	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.:				
	13.83.2		1615.83	Sqm	142.80	230741
16	17.11.2	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :				
		Size 600x450x200 mm	8	Each	6585.80	52686
Sub Total						4643373
Modified Estimate Cost after using conversion factor on DSR 2023 on account of GST @ 0.973						4518002
Add cost index 118-1107/107						464467
Total						4982469
Say						4982469


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