

# **Employees State Insurance Corporation**

## **Preliminary cum Detailed Estimate**

**NAME OF WORK :Annual Repair and Maintenance (ARM) of Civil works of ESI Super Specialty Hospital a located at Sanathnagar, Hyderabad during 2025-26**

**Estimated Cost : Rs 1,49,74,830/-**

Ashish Patel  
Engineer(Civil)

Junior

Lokendra Singh  
Asistant Executive Engineer(Civil)

# Employees State Insurance Corporation

**NAME OF WORK :Annual Repair and Maintenance (ARM) of Civil works of ESI Super Specialty Hospital a located at Sanathnagar, Hyderabad during 2025-26**

The preliminary cum detailed estimate amounting to Rs 1,49,74,830/-- has been framed to cover the probable cost of the above mentioned work f1or obtaining the Administrative Approval and Expenditure Sanction of the compitent Authority.

The existing ARM contract period which is presently under CPWD execution is being elapsed by 20.06.2025.It is proposed for self execution "Annual Repair and Maintenance (ARM) of Civil works of ESI Super Specaility Hospital located at Sanathnagar, Hyderabad during 2025-26 ". The estimate cost is arrived for Rs 1,49,74,830/--

## Design & Scope:

The following provisions have been made in the estimate

1	Provision of Manpower
2	Provision for required Materials for Civil items.
3	Provision for Civil work items.

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 leveid 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 1,49,74,830/--**

Rates: DSR 2023 with present cost Index for Civil items

Method: By contract after calling e-Tenders.

Time: 15 days for planing and 365 days for execution after receipt of A/A & E/S.

T & P: To be arranged by the contractor.

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**ABSTRACT OF THE ESTIMATE**

**NAME OF WORK :Annual Repair and Maintenance (ARM) of Civil works of ESI Super Specialty Hospital a located at Sanathnagar, Hyderabad during 2025-26**

<b>S.No.</b>	<b>Form</b>	<b>Description</b>	<b>Amount in Rs.</b>
<b>1</b>	<b>FB-1</b>	Manpower	<b>6748027</b>
2	FB-2	Civil Material Estimate	2999507
3	FB-3	Civil Works Estimate	5227296
		<b>TOTAL</b>	<b>14974830</b>

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Estimate of Manpower for Day to Maintenance of Civil work for ESIC Super Speciality Hospital, Sanathnagar during the period 2025-26 (One Year)																			
S.No.	Name of the Profile / Designation	Qty. (in No's)	Category	No. of Working Days in a Month	Duration of Employment (in Months)	Minimum Daily Wage in Rs. (Per Day)	EPP (Employer Contribution) on Rs. 15000/- per month (15000*0.13/26) (Per Day)	ESI (Employer Contribution) (Per Day) (Le E*0.0325)	Bonus (Per Day) (Le. E*.0833)	Reliever Charges per person (per day)	Leave Wages per person per day (15CL 8NH/FH)	Sub Total Amount in Rs. (Le Sum of E, F, G,H,I & J) (Per Day)	CP & OH @15% on E (Per Day)	Sub Total in Rs. (Le Sum of K & L) (Per Day)	GST @18% on M (Per Day)	Sub Total Amount in Rs. (Le Sum of M & N) (Per Day)	Sub Total Amount in Rs. (Le C*O) (Per Month)	Sub Total Amount in Rs. (Le D*P) (Per Year Per Person)	Sub Total Amount in Rs. (Le A*Q) (Per Year for Required Persons as mentioend as Qty.)
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Providing service of supervisor which includes, Engaging of Supervisor for supervising of day to day maintenance of Civil and plumbing, monitoring of complaints, assigning of complaint, maintaining of register and any other skilled manpower as required for maintenance etc., as directed by Dean( person should be Highly skilled), (1 Nos.) (Qualification:B.Tech/Diploma in Civil Engineering with 10 Years Experience (Supervisory) in maintenance job.	1	Highly Skilled	26	12	1065.00	75.00	0.00	0.00	0.00	78.51	1218.51	159.75	1378.26	248.09	1626.35	42285.01	507420.06	507420.06
2	Engaging of Plumber for day to day maintenance/providing Services for plumbing to internal and external water supply and sanitary lines by replacing the worn out pipe, sanitary and water supply fittings/fixture like bibcock, stop cock, pillar cock,washbasin, PVC connection, waste coupling, valve, ball cock, at all height etc. Complete as per Engineer-in-Charge. (4 Nos) (Qualification: Nil) (Skilled) with 3 Years Experience in (Plumbing)in maintenance job	4	Skilled	26	12	981.00	75.00	0.00	0.00	163.50	72.32	1291.82	147.15	1438.97	259.01	1697.98	44147.52	529770.20	2119080.82
3	Providing service of Sewer man for attending complaints like clearing of blockages/chokages in existing sewer lines, Gully trap, floor traps, manhole, sanitary lines by removing and refixing the CI/SCI doors in Y-junction/Tjunction rain water pipes, storm water drain etc at all height complete as directed by Engineer-in-charge . (2 Nos.) (Qualification:Nil) (Semi skilled)	2	Semi Skilled	26	12	893.00	75.00	0.00	0.00	148.83	65.83	1182.66	133.95	1316.61	236.99	1553.60	40393.70	484724.41	969448.82
4	Providing the services of Carpenter for Carpentry services like doors/window/Ventilators/cup boards/ removing and refixing of hardware /fixture/fittings, Mortice locks, door handles, tower bolts etc., as directed by the Engineer-in-charge (1 Nos.) (Qualification: Nil) (Skilled) with 3 Years experience in Carpenter Job	1	Skilled	26	12	981.00	75.00	0.00	0.00	163.50	72.32	1291.82	147.15	1438.97	259.01	1697.98	44147.52	529770.20	529770.20
5	Providing the services of Mason for masonry services like carrying out all concrete, brick, PCC, RGL, Plastering services etc., as directed by the Engineer-in-Charge (1 Nos.) (Qualification: Nil) (Skilled) with 5 Years experience in Manson Job	1	Skilled	26	12	981.00	75.00	0.00	0.00	163.50	72.32	1291.82	147.15	1438.97	259.01	1697.98	44147.52	529770.20	529770.20
6	Outsourcing of unskilled Labour / Helper/Balder for helping the Highly Skilled / Skilled manpower in day to day attending the complaint for plumber/Carpenter and sewer man and for also attending unskilled services etc., as directed by the Engineer-in-Charge (4 Nos.) (Qualification: Nil) (Unskilled)	4	Un Skilled	26	12	805.00	75.00	26.16	67.06	134.17	59.34	1166.73	120.75	1287.48	231.75	1519.22	39499.84	473998.13	1895992.51
Sub Total																			6551482.62

	Add contingency@3%	196544
	<b>Grand Total Amount in Rs. (C)</b>	<b>6748027</b>

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Supply of materials

**Name of works: annual repair and maintenance (ARM) of civil works of ESI Super Specialty Hospital located at Sanathnagar , Hyderabad during 2025-26.**

S.No	DSR Ref	Description of item	Unit	Rate	Total Quantity	Amount(Rs.)
1	0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm(classic/crown/everite or equivalent make)	10 nos	455.24	20	9105.00
2	8744	Panic Bar / latch (Double point)	each	8137.48	10	81374.81
3	1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	375.58	35	13145.00
4	1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	359.93	30	10798.00
5	1947	Vitreous china flat back wash basin 630x450 mm(hindware/parryware or equivalent)	each	1135.26	15	17029.00
6	1954	Vitreous china orrisa type W.C. pan of size 580 mm(hindware/parryware or equivalent)	each	1920.56	15	28808.00
7	7027	M.S. Butt hinges 125x90x4 mm	10 nos	160.76	30	482.00
8	7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	62.60	150	9389.00
9	7060	Hydraulic door closer tubular type Aluminium section body	each	853.58	50	42679.00
10	7072	Wall mounted water closet of size 780 x 370x690 mm	each	8450.46	12	101406.00
11	7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	436.75	10	4367.00
12	7119	Flexible (coil shaped) PVC waste pipe for sink and wash basin 32mm dia with length not less than 700 mm i/c PVC waste fittings	each	54.06	200	10812.00
13	7134	Circular shape 500 mm dia precast R.C.C. manhole cover with frame-M.D.-10	each	860.70	10	8607.00
14	7358	Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with fittings,accessories and flush pipe)	each	883.46	25	22086.00
15	7379	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS:2556	each	1301.71	6	7810.00
16	7807	Salem Stainless steel AISI - 304 (18/8) Wash basin 530mm X 345 mm	each	3058.67	10	30587.00
17	8214	Stainless steel screws 20 mm	100 nos	248.96	1200	2988.00
18	7121	Bottle Trap	each	970.24	75	72768.00
19	7257	supply of C.P brass bib cock-15mm nominal bore(weight not less than 400 grams and make of PLUMBER,ESS,KINGSTON or equivalent)	Each	469.47	35	16431.00
20	7259	C.P. Brass long body bibcock 15 mm	Each	754.00	35	26390.00

21	7260	supply of C.P brass angle cock-15mm nominal bore(weight not less than 400 grams and make of PLUMBER,ESS,KINGSTON or equivalent)	Each	633.07	40	25323.00
22	1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	Each	54.06	60	3244.00
23	1878	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	Each	172.14	15	2582.00
24	1956	Bolts and nuts 16 mm dia 60 mm long	Each	17.07	60	1024.00
25	367	Portland Cement (OPC-43 grade)	tonne	7335.11	1	7335.00
26	983	Fine sand (zone IV)	cum	1394.18	3	4183.00
27	982	Coarse sand (zone III)	cum	2062.82	3	6188.00
28	295	Stone Aggregate (single size) : 20 mm nominal size	cum	2027.26	5	10136.00
29	297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1,991.69	5	9958.46
30	1309	C.I. bracket for wash basin and sinks	pair	135.15	20	2703.00
31	1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	641.61	5	3208.00
32	1885	15 mm C.P. brass tap(pillar tap)	each	422.52	20	8450.00
33	593	C.P. Brass Extension Nipple (1/2"x2" size)	each	65.44	20	1309.00
34	8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia	metre	83.94	200	16787.00
35	8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia	metre	135.15	100	13515.00
36	8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	metre	199.17	70	13942.00
37	8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	metre	284.53	20	5690.55
38	8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia	metre	462.36	15	6935.35
39	8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm outer dia	metre	1103.97	15	16559.49
40	8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 80 mm outer dia	metre	1482.39	15	22235.81
41	8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm outer dia	metre	2,273.37	12	27280.48
42	7118	Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	51.21	70	3585.00
43	7361	P.V.C. automatic flushing cistern 10 litre capacity	each	775.34	20	15507.00
44	7126	White Vitreous china 10 litre (full flush) capacity controlled low levelflushing cistern with all fittings	each	1038.52	20	20770.00
45	368	white cement( make :JK/Birla)	tonne	14937.68	0.5	7469.00
46	8552	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick	sqm	1308.83	6	7853.00
47	589	Chromium plated Brass screws 20 mm	100 nos	216.24	150	32436.00

48	590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	253.23	30	7597.00
49	869	Plaster of paris	kg	9.96	80	797.00
50	2406	Float glass sheet of nominal thickness 4 mm ( weight not less than 10kg/sqm) in required sizes.Modi,saint gobin,asahi or equivalent make)	sqm	456.67	30	13700.00
51	7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	369.89	12	4439.00
52	2634	GI/Aluminium Sheet (0.8 mm thick)	kg	79.67	7	558.00
53	1356	500 mm dia cover with frame (medium duty)	each	6259.60	7	43817.00
54	1357	500 mm dia cover without frame (medium duty)	each	3272.06	5	16360.00
55	1354	Rectangular cover 455x610 mm with frame (low duty)	each	2190.86	20	43817.00
56	1355	Rectangular cover 455x610 mm without frame (low duty)	each	1209.24	20	24185.00
57	7009	12.5 mm thick tapered edge gypsum plain borad confirming to IS 2095 (part I)-2011	sqm	219.09	30	6573.00
58	7394	Double action hydraulic floor spring with stainless steel cover plate	each	2297.56	20	45951.00
59	8012	Adhesive solvent cement	kg	213.40	15	3201.00
60	9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout	each	2503.84	80	200307.00
61	7122	CP Brass Single lever telephonic wall mixer of approved make	each	6828.66	15	102430.00
62	1219	Wire nails	kg	82.51	60	4951.00
63	1213	Water proofing materials	kg	64.02	20	1280.00
64	696	Anodized Aluminium sliding door bolt 300x16 mm	Each	227.62	15	3414.00
65	7503	Supplying and fixing on demand (with the available site labour) in position PTMT Liquid Soap Container of 400 ml capacity	Each	146.53	20	2930.631315
66	1248	Epoxy base sealing compound	kg	761.11	100	76111.05599
67	1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. tringular plate for Eureopean type W.C.	Each	312.98	150	46947.0065
68	7076	Battery based infrared sensor operated white Vitreous Urinal of aprox. size 610x390x370 mm	Each	6785.98	5	33929.88197
68	<b>Sub Total(A)</b>					<b>1496566.52</b>
69	<b>Add cost index on A @3 % .....(B)</b>					<b>44897.00</b>
69	<b>Sub Total (C )</b>					<b>1541463.52</b>
70						

70	SSR ref	Description of item	Unit	Rate	Total Quantity	Amount(Rs.)
71	TBSP-F.VII-06	S&F CP finish brass body 32 mm dia nominal sizewaste coupling with half/full thread & brass check nutconforming to IS 2963: 1979	each	375.58	30	11267.00
72	TBSP-F.VII-28	S&F Stainless steel 4" dia round Grating for nahany or floor trap cover with cockroach trap with or without hole	Each	260.34	80	20827.00
73	TBSP-F.I-06	S&F of 15 mm brass body premium variety Chromium Plated finish two way bib tap with flange of not less than 500 grams weight with quarter turn spindle internal/ external threaded connection conforming to IS 8931 and with 10 years warranty	Each	1722.81	40	68913.00
74	TBSP-H.I-04	40 mm dia 3 M Kg/sq.cm Double Socket PVC/SWR pipe - 4	Each	348.55	60	20912.76
75	TBSP-H.I-01	75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	428.21	30	12846.00
76	TBSP-H.I-03	110 mm dia 3 M single Socket PVC/SWR pipe - 4 Kg/sq.cm	Each	809.48	25	20237.00
77	TBSP-H.II-13	75 mm dia - Door Bend 87.5 Degree - UPVC/SWR Pipe fittings	Each	115.23	5	576.00
78	TBSP-H.II-16	PVC 45degree bend 75 mm	Each	66.86	3	200.59
79	TBSP-H.II-18	PVC 45degree bend 110mm	Each	119.50	5	597.51
80	TBSP-F.VII-01	S&F of 15 mm Stainless steel flexible hose 1.0 m long for hand shower / health faucet with brass nuts	Each	409.72	300	122915.80
81	TBSP-F.VII-02	S&F of 15 mm CP finish brass body health faucet gun	Each	341.43	200	68286.55
82	TBSP-E.IV-02	Supplying &Fixing internal cistern fittings for dual flush cisterns	Each	2508.11	70	175567.58
83	TBSP-E.V-01	Supplying and Fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS2548-1996	Each	1829.51	60	109770.64
84	TBSC-J.IV-28	Supply of 20mm CPVC - Sche-80 Ball Valve	Each	371.31	30	11139.24
85	TBSC-J.IV-27	Supply of 25mm CPVC - Sche-80 Ball Valve	Each	418.26	40	16730.21
86	TBSC-J.IV-26	Supply of 32mm CPVC - Sche-80 Ball Valve	Each	896.26	10	8962.61
87	TBSC-J.IV-25	Supply of 40mm CPVC - Sche-80 Ball Valve	Each	1217.78	5	6088.88
88	TBSC-J.IV-24	Supply of 50mm CPVC - Sche-80 Ball Valve	Each	1920.56	5	9602.80
89	TBSP-G.II-02	S& F GI union 20 mm nominal size Ist Quality	Each	86.78	5	433.90
90	TBSP-G.II-03	S& F GI union 25 mm nominal size Ist Quality	Each	129.46	10	1294.60
91	TBSP-G.II-04	S& F GI union 32 mm nominal size Ist Quality	Each	159.34	15	2390.03
92	TBSP-G.II-05	S& F GI union 40 mm nominal size Ist Quality	Each	190.63	6	1143.80
93	TBSP-G.II-06	S& F GI union 50 mm nominal size Ist Quality	Each	236.16	4	944.63

94	TBSP-J.III-214	Supply of 20x15mm civic brass elbow where in the compound should confirm to IS 15778 CPVC pipe IS 15225 CPVC compound with high range of pressure and high range of thickness in SDR 11 and SDR 13.5	Each	213.40	28	5975.07
95	TBSP-J.III-211	Supply of 20mm civic elbow where in the compound should confirm to IS 15778 CPVC pipe IS 15225 CPVC compound with high range of pressure and high range of thickness in SDR 11 and SDR 13.5	Each	25.61	80	2048.60
96	TBSP-J.III-212	Supply of 32mm civic elbow where in the compound should confirm to IS 15778 CPVC pipe IS 15225CPVC compound with high range of pressure and high range of thickness in SDR 11 and SDR 13.5	Each	62.60	80	5007.68
97	TBSP-J.III-213	Supply of 25x20 mm civic reducing tee where in the compound should confirm to IS 15778 CPVC pipe IS 15225 CPVC compound with high range of pressure and high range of thickness in SDR 11 and SDR 13.5	Each	398.34	80	31867.06
98	TBSP-J.III-215	Supply of 32x20 mm civic reducing tee where in the compound should confirm to IS 15778 CPVC pipe IS 15225 CPVC compound with high range of pressure and high range of thickness in SDR 11 and SDR 13.5	Each	15.65	30	469.47
99	TBSP-F.III-03	S&F of 15 mm brass body Premium variety Chromium plated finish Swan neck tap with right/left hand operating knob with aerator of not less than 500 grams weight quarter turn spindle conforming to IS 8931 and with a warranty of 10 years	Each	2503.84	30	75115.21
100	TBSC-P.IV-10	Stainless Steel Aldrops (IS:15834) 200 mm long	Each	391.23	100	39122.51
101	TBSC-P.I-21	Stainless Steel Tower Bolt-10 mm Bolt (IS:15833) 150 mm Long	each	246.12	120	29534.00
102	TBSC-P.I-22	Stainless Steel Tower Bolt-10 mm Bolt (IS:15833) 200 mm Long	each	324.36	30	9730.83
103	TBSC-P.V-07	MS-Powder Coated Flat Latches: 250 mm long	each	89.63	30	2688.78
104	TBSC-P.III-18	Stainless Steel Door Handles 200 mm Long	each	260.34	30	7810.27
105	TBSC-P.III-17	Stainless Steel Door Handles 150 mm Long	each	231.89	180	41740.16
106	TBSC-P.IX-03	Heavy duty Aluminium Door stopper	each	98.16	80	7852.95
107	TBSC-P.VIII 02	Heavy duty mortise lock 6/7 levers (IS:2209) with brass heavy handles	each	3647.64	8	29181.12
108	TBSC-P.VIII 02	Heavy duty mortise lock 6/7 levers (IS:2209) with brass heavy handles	each	3647.64	30	109429.20
109		<b>Total (SSR) ( D )</b>				<b>1089221.05</b>
110		<b>Grand Total ( C+D ) ..... ( E )</b>				<b>2630684.57</b>

111		<b>ESI &amp; PF @ 11.02 % on E.... ( F )</b>	<b>289901.44</b>
		<b>Total of ( E+F) .... G</b>	<b>2920586.01</b>
		<b>Add 3 % contignecy on ( E) ... (H )</b>	<b>78920.54</b>
		<b>Grand Total (G+H) .... (I)</b>	<b>2999506.55</b>
		<b>Say</b>	<b>2999507</b>

Ashish Patel  
Junior Engineer (Civil)

Lokendra Singh  
Assistant Executive  
Engineer(Civil)

**DSR Items under civil work**

**NAME OF WORK :Annual Repair and Maintenance (ARM) of Civil works of ESI Super Specialty Hospital a located at Sanathnagar, Hyderabad during 2025-26**

S.No	DSR Ref	Description of item	Unit	Rate	Total Quantity	Amount(Rs.)
1	2	<b>EARTH WORK</b>				
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
3	2.6.1	All kinds of soil	cum	177.5	50	8,875.00
4	2.10	Excavating trenches by mechanical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
5	2.10.1	All kinds of soil				
6	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	metre	352.15	200	70,430.00
7	4	<b>CONCRETE WORK</b>				
8	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:				
9	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)	cum	9895.2	5	49,476.00
10	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:				
11	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	cum	7878.5	10	78,785.00
12	5	<b>REINFORCED CEMENT CONCRETE</b>				
13	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
14	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	107.85	1178	1,26,993.00
15	6	<b>BRICK WORK</b>				
16	6.2	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:				
17	6.2.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	6504.9	10	65,049.00

18	8	<b>MARBLE &amp; GRANITE WORK</b>				
19	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc.				
20	11.56.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	sqm	4481.30	20	89,626.00
21	8.2	Fixing 18mm thick mirror polished, machine cut granite stone for kitchen platforms, similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing etc. complete at all levels. (Area of slab above 0.50 sqm area)				
22	8.2.2	8.2.2 Granite stone slab colour black, Cherry/Ruby red				
23	8.2.2.2	Area of slab over 0.50 sqm sqm	sqm	5136.30	10	51,363.00
24	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 @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	1267.95	50	63,398.00
25	8.32	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:				
26		(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.				
27		(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4 mm thick aluminium composite panel material consisting of 3 mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5 mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc				

28		(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	sqm	5015.05	100	5,01,505.00
29	9	<b>Wood and PVC work</b>				
30	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames including circular work fixed in position				
31	9.1.1	Second class teak wood	cum	142949.7	0.5	71,475.00
32	9.1.2	Sal wood	cum	116520.3	0.5	58,260.00
33	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 9.21.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws				
34	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	2392.65	25	59,816.00
35	9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1$ mm), with wall thickness 2.0 mm ( $\pm 0.2$ mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ( $\pm 0.1$ mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineerin- charge				
36	9.117.1	Extruded section profile size 48x40 mm	metre	270.2	100	27,020.00

37	9.118	Providing and fixing to existing door frames				
38	9.118.1	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm ( $\pm 0.2$ mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm ( $\pm 0.2$ mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	sqm	2969.25	50	1,48,463.00
39	10	<b>STEEL WORK</b>				
40	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete	kg	117.35	400	46940
41	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	kg	133.70	300	40110
42	10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete	each	226.00	5	1130
43	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	each	220.65	5	1103.25
44	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position, grinding, sanding and applying 2 priming coats of approved steel primer using steel sections, built up, hollow and solid elements as specified in drawings etc. as required .				
45	10.25.2	In gratings, frames, guard bar, ladder, railings, brack	kg	172.60	1000	1,72,600.00
46	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				

47	10.26.3	G.I. pipes	kg	203.05	500	1,01,525.00
48	10.28	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	772.4	250	1,93,100.00
49	11	<b>FLOORING</b>				
50	11.37	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 colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	sqm	1096.55	50	54,828.00
51	11.26	Providing & Fixing of 25 mm thick Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab with 1:4 (1 cement :4 coarse sand ) as per design pattern including rubbing , mirror polishing complete . (one full piece of kota stone shall be used in steps unless otherwise indicated in drawings)				
52	11.26.1	25 mm thick	sqm	1948.25	10	19,483.00
53	11.41	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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
54	11.41.2	Size of Tile 600x600 mm	sqm	1553.45	50	77,673.00
55	11.48	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge				
56	11.48.2	Size of Tile 600x600 mm	sqm	309.05	500	1,54,525.00
57	12.00	<b>Roofing</b>				

58	12.50	<p>Providing and fixing pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) 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 shape wherever required.</p>	sqm	738.65	150	1,10,797.50
59	12.52	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.</p>				
60	12.52.2	<p>GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient ) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation and backed with a black Glass fiber acoustical fleece.</p>	sqm	2068.75	50	1,03,437.50
61	13	<b>Finishing</b>				
62	13.81	<p>Distempering with 1st quality acrylic distemper (Ready mix)having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :</p>				
63	13.81.1	<p>Old work (one or more coats)</p>	sqm	62.70	50	3,135.00

64	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				
65	13.83.1	One coat	sqm	95.45	3000	2,86,350.00
66	13.83.2	Two coats	sqm	142.8	1000	1,42,800.00
67	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	sqm	25.15	1000	25,150.00
68	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
69	13.99.1	One or more coats on old work	sqm	102.8	400	41,120.00
70	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade:				
71	13.111.2	Old work (One or more coat applied @ 0.90 ltr/10 sqm)	sqm	80.65	300	24,195.00
72	14	<b>REPAIRS TO BUILDINGS</b>				
73	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead:				
74	14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	sqm	547.40	100	54,740.00
75	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.	sqm	338.25	200	67,650.00

76	14.75A	<p>Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba allcomplete as per direction of Engineer-in-Charge. (The old date alreadywritten on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)</p>	litre	0.50	10000	5,000.00
77	14.78	<p>Cleaning of under ground sump, Over Head R.C.C. Tank ( independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:-  (i) Tank shall be emptied of water by pumping &amp; bottom shall be cleaned of silt and other deposits.  (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water.  (iii) Chlorination of RCC internal surface by liquid chlorine.  (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface.  (v) Finally the surface shall be treated with ultraviolet radiation etc.  as per direction of Engineer-in-Charge.</p>	sqm	84.85	5000	4,24,250.00

78	14.79	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	each	433.75	10	4,338.00
79	14.77	Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm dia for all depth.	metre	340.75	300	1,02,225.00
80	15	<b>DISMANTLING AND DEMOLISHING</b>				
81	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
82	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	1503.60	20	30,072.00
83	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
84	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	73.40	25	1,835.00
85	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	263.95	200	52,790.00

86	16	<b>Road work</b>				
87	16.65	Providing and fixing post delineators made of ABS round body fitted with 2 nos 100 mm dia high reflective reflectors and mounted on MS pipe of 65 mm dia duly powder coated anti-rust and anti theft steel to be installed as per direction of Engineer-in-charge.	each	904.2	5	4,521.00
88	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5 mm), including making drainage opening wherever required complete etc. as per direction of Engineer in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge)	cum	10117.6	1	10,117.60
89	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as perrequired size and pattern, finishing and sweeping extra sand, allcomplete as per manufacturer's specifications & direction of Engineerin-Charge.				
90	16.91.2	80mm thick Cement concrete paver block of M-30 grade with approved colour, design & pattern.	sqm	1091.50	25	27,288.00
91	18	<b>WATER SUPPLY</b>				
92	18.48	Providing and placing on terrace (at all floor levels) polyethylene water	litre	11.00	10000	1,10,000.00
93						
94	21	<b>Aluminium work</b>				
95	21.1	Providing and fixing aluminium work for doors, windows, ventilatorsand partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved makeconforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps atjunctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically wherever requiredincluding cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as				
96	21.1.1	For fixed portion				
97	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	495.05	300	1,48,515.00
98	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	530.90	100	53,090.00

99	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.				
100	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	1115.4	100	1,11,540.00
101	21.3	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):				
102	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	sqm	1505.25	100	1,50,525.00

103	22	<b>WATER PROOFING</b>				
104	22.3	<p>Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:</p> <p>i) 1st course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.</p> <p>ii) 2nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.</p> <p>iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg per sqm of area.</p> <p>iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm).</p>	sqm	769.6	10	7,696.00
105	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying				
106		(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours				
107		b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. (The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.)	sqm	617.05	50	30,852.50
108						
109	22.6	<p>Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately.</p>	sqm	688.9	80	55,112.00

110	26	<b>NEW TECHNOLOGIES AND MATERIALS</b>				
111	26.35	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge. (The payment shall be made on the basis of actual weight of approved grout injected.				
112	26.35.3	Epoxy injection grout in concrete/RCC work of approved make	kg	553.4	100	55,340.00
<b>Sub Total</b>						<b>4578033.35</b>
<b>Add 0.973 of modified estimated cost after using correction factor on DSR 2023 items..A</b>						<b>4454426.45</b>
<b>Add for difference in CI ( 103-100)/100*100= 3% on DSR items(A).....B</b>						<b>133633.00</b>
<b>Total ( A+B) ..... (C)</b>						<b>4588059.45</b>
<b>ESI &amp; PF @ 11.02 % on C..... (D)</b>						<b>5,05,604</b>
<b>Total ( C+D) ..... (E)</b>						<b>50,93,663.60</b>
<b>Add contingmncy @ 3 % on A.... (F)</b>						<b>1,33,632.79</b>
<b>Grand Total ( E+F)</b>						<b>52,27,296</b>
<b>Say</b>						<b>52,27,296</b>

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Lokendra Singh  
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