



**Tamil Nadu Police Housing Corporation Limited**  
**(A Government of Tamil Nadu Undertaking)**  
**(An ISO 9001: 2015 Certified Company)** -  
**No. 132, E. V. R. Salai, Kilpauk, Chennai – 600 010**



**Lr. No. CE/Plg/TNSC Bank-Chennai/2022**

**Dated: 24.01.2024**

To

The Managing Director,  
Tamil Nadu State Apex Cooperative Bank Ltd,  
#4, NSC Bose Road,  
Chennai – 600 001.

Sir,

**Sub:** TNPHC Ltd – HO – Plg – Renovation works to existing TNSC Bank in  
Jawahar Nagar branch, Parys corner & Korattur branch in Chennai  
city- Estimate proposal – Furnished – Approval requested - Regarding.

**Ref:** 1. The Managing Director/TNSC Bank, Lr.C.No.12561/Estate/2023-24,  
Dtd. 02.01.2024.  
2. The Managing Director/TNSC Bank, Lr.C.No.12560/Estate/2023-24,  
Dtd. 04.01.2024.

#-#-#-#-#

The Managing Director/TNSC, Chennai has requested to furnish the estimate  
proposal for the following works.

Sl.No	Name of work	Estimate Amount in Rs.
1	Renovation works to existing TNSC Bank at Jawahar Nagar branch in Chennai city	35,21,100.00
2	Providing water proofing arrangements in the Basement for TNSC bank Head office at Parys in Chennai city	1,22,37,300.00
3	Providing Air conditioner arrangements for TNSC bank Head office at Parys in Chennai city	1,98,96,900.00
4	Providing External electrical arrangements for TNSC bank Head office at Parys in Chennai city	2,96,94,200.00

5	Special repair works to TNSC bank Head office at Parys in Chennai city	1,68,77,400.00
6	Renovation works to existing TNSC Bank at Korattur branch in Chennai city	47,97,400.00

2. Accordingly, the estimate is prepared based on the PWD SR 2023-24 rates. The estimate value works out to ₹ **8,70,24,300/-** including GST @ 18%, Labour Welfare Fund at 1%, Contingencies @ 2.5%, Supervision charges @ 7.5% and overhead charges.

3. It is informed that the Tamil Nadu Police Housing Corporation will execute the work with the supervision charges @ 7.5%.

4. The total estimate value shall be deposited to the TNPHC before commencement of the work.

5. The payment shall be released in the form of crossed Cheque or Demand Draft in favour of "Tamil Nadu Police Housing Corporation Limited" or through NEFT.

6. Hence, it is requested that the above estimate proposal may be approved and communicated to this office for taking further necessary action in this regard.

**Encl:** As above.

Yours faithfully,

  
24/11/24  
**Chief Engineer**

## Tamil Nadu Police Housing Corporation Ltd

**Name of work: Renovation works to Existing TNSC bank at Jawahar Nagar Branch in Chennaicity.**

### Abstract Estimate

Sl. No.	QTY	Description	Rate	Unit	Amount
1	1.20	Dismantling the damaged RCC work <b>SOR-2023-2024</b>	4308.70	Cum	5170.44
2	27.80	Providing Two legged Shcafolding c. in 8m height	1075.68	Rmt	29903.90
3		Earth work excavation for foundation with all leads and lifts in all soils and sub soils etc., all complete including refilling			
	18.00	a. 0 to 2 mt.	260.80	Cum	4694.40
4	19.50	Filling with excavated earth	42.85	Cum	835.58
5	139.80	Filling dust sand	338.45	Cum	47315.31
6	35.20	C.C.1:5:10 for Foundation & Basement	5179.18	Cum	182307.14
7	0.30	Flooring bed in CC 1:5:10 using 40mm HBS jelly for foundation & basement	5179.18	Cum	1553.75
8	27.20	CC 1:2:4 using 20mm HBS jelly for foundation & basement	6730.63	Cum	183073.14
9		providing Standardised concrete Mix M25Grade Concrete for RCC works excluding the cost and fabrication of reinforcement grills, shuttering and centering but including vibrating, laying, curing and finishing etc., complying with relevant standard specifications in the following floors.			
	8.80	a. In Foundation and basement	8606.50	Cum	75737.20
10		<b>Providing Form work using MS sheet</b>			
	41.90	a.For Column footings,plinth beam,Grade beam,Raftbeam,Raft slab etc.,	923.99	Sqm	38715.18
	15.60	b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works	1027.42	Sqm	16027.75
	2.10	c.Form work for Small quantity and column using M.S. sheet	1232.90	Sqm	2589.09
11	4.50	Dismantling the damaged pressed tiles in cement mortar without affecting the adjacent structures in all floors including the cost of required tools and plants and clearing the debris away from the site etc., all complete and as directed by the departmental officers. <b>P21/SR-2023-2024</b>	45.98	Sqm	206.91

Sl. No.	QTY	Description	Rate	Unit	Amount
12	63.60	Dismantling the damaged Floor and wall tiles in cement mortar without affecting the adjacent structures in all floors including the cost of required tools and plants and clearing the debris away from the site etc., all complete and as directed by the departmental officers. <b>P21/SR-2023-2024</b>	61.27	Sqm	3896.77
13	3.00	Supply and Fixing of Flatback urinal	929.74	No	2789.22
14	3.00	Removing the IWC and dismantling the lime concrete in all floors without affecting the adjacent structures and including clearing away the debris from the site hire charges for tools and plants etc., all complete and as directed by the departmental officers	2145.00	Job	6435.00
15	152.20	Pointing the Existing Pressed tiles and removing all loose and dry cement pointing from the existing tile joints for pressed tile pointing including cost of labour and materials and etc..	345.81	Sqm	52632.28
16	4.50	Finishing top of roof with one course of Hydraulic Pressed Tiles of size 23cmx 23cmx20mm thick laid over weathering course in cm 1:3. 12mm thick mixed.	1276.26	Sqm	5743.17
17	21.40	Brick work in CM 1:5using chamber burnt bricks Foundation and basement	6966.09	Cum	149074.33
18	0.20	Brick workl in CM 1:6using chamber burnt bricks for super structure b. In Ground Floor	6994.90	Cum	1398.98
19	44.20	Brick partition wall in CM 1:4using chamber burnt bricks b. In Ground Floor	891.51	Sqm	39404.74
20	1.00	Supply and fixing of E.W.C for approved quality	7516.55	Each	7516.55
21	4.00	Supply and fixing of Door Stopper including cost of Materials, labour and etc.,	138.00	Each	552.00
22	2.00	Supply and fixing of door Hinges (100 x 30mm) including cost of Materials, labour and etc.,	189.00	Each	378.00
23	2.00	Supply and fixing of Aldrops (250mm long 16mm dia rod) including cost of Materials, labour and etc.,	328.00	Each	656.00
24	4.00	Supply and fixing of Door Towerbolt (150mm long 12mm dia) including cost of Materials, labour and etc.,	182.00	Each	728.00
25	2.00	Supply and fixing of Door Handle including cost of Materials, labour and etc.,	175.00	Each	350.00
26	2.40	Supply and fixing of 4mm thick Pin head window glass including cost of Materials, labour and etc.,	857.30	Sqm	2057.52

Sl. No.	QTY	Description	Rate	Unit	Amount
27	1.80	Repair cracks, if any and all construction joint by cutting "V" groove (15mm x 15mm ) and fill with force rock nitobond SBR Latex Modified putty. make 50mm x 50mm corner fillet at the joint of roof slab with parapet wall/ vertical structure by force rock nitobond SBR Latex Modified putty including cost of Materials, labour and etc., (Otn)	150.00	Sqm	270.00
28	2.00	Supply and delivery of following Electric Ceiling fan with blades and double ball bearing, capacitor, type complete with 300 mm down rods canopiesa) a. 48" Electric fan 1200mm sweep	1552.70	Each	3105.40
29	2.00	Charges for assembling and fixing of ceiling fan of different sweep with necessary connections and fixing of fan regulator on the existing board etc., all complete (Excluding cost of fan)	601.00	Each	1202.00
30	1.00	Supply and fixing of Fan hook	33.90	Each	33.90
31	1.00	Wiring with 1.5 sq.mm copper PVC insulated unsheathed single 1.1 KV grade core / cable with continuous earth by means of 1.5 sq.mm copper PVC insulated wire for Fan Point (Open wiring )	1008.20	Each	1008.20
32	5.00	Wiring with 1.5 sq.mm copper PVC insulated unsheathed single 1.1 KV grade core / cable with continuous earth by means of 1.5 sq.mm copper PVC insulated wire. <b>Open Wiring</b> a Light Point with ceiling rose	921.20	Each	4606.00
	3.00	b.Light Point with out ceiling rose	923.20	Each	2769.60
33	15.10	Supplying and fixing of colour Ceramic Tiles for flooring and other similar works over cement mortor 1:3 20mm thick	1286.22	Sqm	19421.92
34	41.80	Supplying and fixing of Colour glazed tiles over cement plastering in CM 1:2 , 10mm thick	1467.51	Sqm	61341.92
35	1.00	Supply and fixing of I.W.C including cost of materials and etc, a. In Ground floor	3569.37	Each	3569.37
36	3.00	Supply and fixing of I.W.C including cost of materials and etc, a. In otherthan Ground floor	5557.39	Each	16672.17
37	3.00	Supply and fixing of wash hand basin including cost of materials and etc,	3495.67	Each	10487.01
38	4.00	Supply and fixing of CP Short body tap including cost of materials and etc,	455.00	Each	1820.00
39	2.00	Supply and fixing of CP Long body tap including cost of materials and etc,	503.00	Each	1006.00

Sl. No.	QTY	Description	Rate	Unit	Amount
40	14.40	Supply and fixing of PVC Trims (corner beading) of tiles including cost of materials and etc, P42 SR-2023-2024	95.40	Rmt	1373.76
41	2.90	Supply and fixing of Upvc ventilators and etc,	8106.00	Sqm	23507.40
42	1.00	Supply and fixing of Pillar Tap including cost of materials and etc,	440.37	Each	440.37
43	1.00	Supply and fixing of CP Angle Cock Tap including cost of materials and etc,	947.37	Each	947.37
44	8.00	Supply and fixing of 4' 20W LED tublight including cost of materials and etc,	704.20	Each	5633.60
45	2.00	Supply and fixing of 9W LED bulb including cost of materials and etc, Pg121 SR 2023-2024	135.00	Each	270.00
46	2.00	Supply and fixing of 12W LED bulb including cost of materials and etc,	270.00	Each	540.00
47	2.00	Supply and fixing of Bulk head including cost of materials and etc,	530.00	Each	1060.00
48	6.00	Supplying and fixing of 225 mm dia sweep AC exhaust fan of approved ISI Quality including necessary wall opening,	2179.00	Each	13074.00
49	2.00	Providing precast concrete slab for cupboard ward robes shelves, cover slab for chambers, Baffle walls side slabs of boxing around windows and other similar works in standized M25 grade cement concrete b.40mm thick In Foundation basement	1805.65	Sqm	3611.30
50	1.369	Supply and fabrication of mild steel grills for RCC work	91904.50	MT	125817.26
51	1.369	Anticorrosive treatment for Steel grills	4865.50	MT	6660.87
52	209.00	Clean removal of cement plaster from walls and rackingout joints 20mm deep <b>SR - 2023-2024</b>	11.22	Sqm	2344.98
53	524.20	Plastering with CM 1:5, 12mm thick	275.02	Sqm	144165.48
54	2.40	Special ceiling plastering with CM 1:3, 10mm thick	314.38	Sqm	754.51
55	42.00	Plastering with CM 1:5, 20mm thick	549.17	Sqm	23065.14
56	412.70	Painting with plastic Emulsion pain for outer walls	248.97	Sqm	102749.92
57	153.50	Painting with plastic Emulsion pain for outer walls	250.52	Sqm	38454.82
58	398.00	Paiting the old wall with two coats of plastic Emulsion pain for outer walls	179.09	Sqm	71277.82
59	945.00	Paiting the Old wall with two coats of plastic Emulsion pain for inner walls	177.94	Sqm	168153.30

Sl. No.	QTY	Description	Rate	Unit	Amount
60	28.70	Painting the Old Wood work with two coats of Synthetic enamel paint	248.88	Sqm	7142.86
61	144.00	Supply and fixing of MS grill	70.15	Kg	10101.60
62	3.60	Painting the New iron work with two coats of Synthetic enamel paint	147.11	Sqm	529.60
63	55.20	Painting the old iron work with two coats of Synthetic enamel paint	149.65	Sqm	8260.68
64	9.00	Finishing the top of flooring with cement concrete 1:3 20 mm thick Ellis Pattern Flooring	481.54	Sqm	4333.86
65	7.00	Supply, fixing of 25W LED street light etc.,	3460.00	Sqm	24220.00
66	6.40	Supplying, laying, fixing and jointing the following PVC pipes waste water pipe of 32mm dia	31.87	Sqm	203.97
67		Supplying, laying, fixing and jointing the following PVC pipes as per ASTM D - 1785 of schedule 40 of wall thickness not less than the specified in IS 4985 suitable			
	48.60	a) 32mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials	271.72	Rmt	13205.59
	20.30	b) 25mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials	253.00	Rmt	5135.90
	22.40	c) 20mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials	248.48	Rmt	5565.95
68		Supplying, laying, fixing and jointing the following PVC SWR pipes			
	14.40	a) 110mm dia SWR pipe	758.37	Rmt	10920.53
	10.80	b) 75mm dia SWR pipe	641.07	Rmt	6923.56
69	3.00	Supplying & fixing and of gully trap of 150mm	2172.42	Nos	6517.26
70	51.60	Supplying, laying, fixing and jointing the following PVC SWR pipes Type A Rain water down fall pipe	357.54	Rmt	18449.06
71	12.00	Supply and fixing of 5A switches including cost of labour and materials and etc.,	21.00	No	252.00
72	1.00	Supply and fixing of 15A switches including cost of labour and materials and etc.,	74.00	Nos	74.00
73	6.00	Supply and fixing of ceiling rose including cost of labour and materials and etc.,	18.00	Nos	108.00
74	4.00	Supply and fixing of Fan Dimer (Regulator ) including cost of labour and materials and etc.,	443.00	Nos	1772.00
75	3.00	Supply and fixing of Battern Type Bakelite Holder for Lamp including cost of labour and materials and etc.,	22.00	Nos	66.00
76	5.00	Supply and fixing of 5A Shocket including cost of labour and materials and etc.,	31.00	Nos	155.00
77	1.00	Supply and fixing of 15A Shocket including cost of labour and materials and etc.,	71.00	Nos	71.00

Sl. No.	QTY	Description	Rate	Unit	Amount
78	35.00	Run off 2 x 1.5 Sqmm wire for open wiring including cost of labour and materials and etc.,	131.00	Rmt	4585.00
79	23.80	Run off 2 x 2.5 Sqmm wire for open wiring including cost of labour and materials and etc.,	150.00	Rmt	3570.00
80	12.40	Run off 4 x 4Sqmm wire for open wiring including cost of labour and materials and etc.	251.00	Rmt	3112.40
81	10.20	Run off 4 x 6 Sqmm wire for open wiring including cost of labour and materials and etc.,	325.00	Rmt	3315.00
82	1.00	Supply and fixing of 100A fush unit	1627.62	Each	1627.62
83	1.00	Supply and fixing of TW plank 450 x 375 x 20 mm	351.95	Each	351.95
84	2.00	Supply and fixing of 63A ELCB	5976.30	Each	11952.60
85	11.10	Supply and fixing of Flush door shutter a.1000mm x 2100mm	3033.96	Sqm	33676.96
86	0.20	Supply and fixing of 3mm thick Hylem sheet including cost of labour and materials and etc., SR-2023-2024	661.00	Sqm	132.20
87	2.00	Removing the trees & green grasses over the water tank slabs, side walls including cutting, removing, cleaning the terrace etc.	2643.00	Job	5286.00
88	6.00	Supply and fixing of Nagani trap including Labours and materials & etc.	160.00	Each	960.00
89	14.53	White wash with three coats of new ceiling surface using with slacked shell lime	49.68	Sqm	721.85
90	8.20	Labour charges for realigning the existing pipe lines including labour for drilling holes, providing special clamps, TW plugs etc.	167.00	Rmt	1369.40
91	1.00	Labour charges for cleanigni the existing chamber including cost of tools and plants etc.,	1096.00	Job	1096.00
92	6.00	Supply and fixing of CI Gratings 100 mm dia including cost of materials and etc,	89.00	No	534.00
93	1.00	Supply and fixing of 100W LED flood light including cost of fixing charge and etc.,	11337.00	No	11337.00
94	5.00	Supply and fixing of 600 mm x 600mm SFRC cover slab	2701.00	No	13505.00
95	52.90	Supply and fixing of SN-8 non pressure pvc pipe a.110mm dia	500.16	Rmt	26458.46



Sl. No.	QTY	Description	Rate	Unit	Amount
96	8.00	Pressure grouting by injecting plasticized expanded grout admixture including cost of Labours, tools and material etc.,	240.00	No	1920.00
97	1.00	Supply and fixing of 4way Three phase Horizontal Distribution Box with TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoings and separate 4 way provision for One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for One No. 4 pole ELCB / RCD and Outgoing 12Nos of 6 to 32A MCBs with label holder and provisions for taking up cable for size not less than 35 sq.mm..	14484.92	Each	14484.92
98	2.00	Supply and fixing of 1000 liters capacity HDPE water tank	10050.00	Each	20100.00
99	7.20	Supply and fixing of vetrified tiles	1566.38	Sqm	11277.94
100	29.60	Supply and fixing of Concrete designer tiles	1559.59	Sqm	46163.86
101	244.00	Providing preconstructional antiterminate treatment	33.90	Sqm	8271.60
102	14.80	Supply and fixing of SS handrail	5536.00	Sqm	81932.80
103	3.70	Supply and fixing of SS handrail For Wall <b>monting type</b>	1843.00	Rmt	6819.10
104	3.00	Supply and fixing of Mirror	494.70	Each	1484.10
105	3.00	Supply and fixing of Towel rail	95.00	Each	285.00
106	152.20	Roof treatment using polymer modified material applying one coat of polymer liquid and two coats of clear seal coatafter cleaning the enteries surface	510.00	Sqm	77622.00
		<b>Sub-Total - I</b>			<b>2240918.92</b>
107		GST @ 18%		LS	403365.41
		<b>Sub-Total - II</b>			<b>2644284.33</b>
108		Provision for Micro Concreting works for damaged cloumn,beams, roof slab etc.		LS	<b>600000.00</b>
		<b>Sub-Total - III</b>			<b>3244284.33</b>
109		Labour welfare fund @1.00 %	-	LS	22409.19

Sl. No.	QTY	Description	Rate	Unit	Amount
110		Supervision Charges @ 2.5%	-	LS	56022.97
111		Supervision Charges @ 7.5%	-	LS	168068.92
112		GST for Supervision Charges @ 18%			30252.41
		<b>Grand Total</b>			<b>3521037.82</b>
			<b>SAY</b>	<b>Rs.</b>	<b>35,21,100/-</b>

*[Signature]*

**Chief Engineer**

## ABSTRACT

**Name of Work: Providing water proofing arrangements in the Basement for TNSC bank Head office at Parry's corner in Chennai city.**

Sl. No	Qty		Description of items	Rate	per	Amount
1	1343.00	Nos	<b>Fixing of Ball mounted Non Return Nipple for Grouting:-</b> The identified points to be grouted in the wall floor joints /cracks will be drilled with the dia of 13mm to the depth of 50mm with the spacing of 450mm .(1.5 ft.) in the floor wall Joints or in the walls or as per the site requirements.The drilled holes will be cleaned well with Aiur Blower and water to remove dust and particles. In the cleaned holes, Metal Based Ball Mounted Non returns Nipple will be fixed by using Polyester Resin "Lockfix or Rendrock" Plug ( Fosroc Chemicals) The Charges for fixing and removing the nipples will be charged per Nipple inclusive of Material and Labour.	345.00	Nos	463335.00
2	1343.00	Nos	<b>Pressure Grouting of PU to be Grouted by Electrically Operated Pressure Grouting Machine:-</b> Once the fixed nipples get set completely,The Expandable PU BASF part A & B will be injected through the fixed Nipples Until ythe Nipple refuses the grout.after ,the Injected material gets set inside,the Nipples will be removed and holes will be sealed by Plugging material evenly to the surface level The Charges for injecting the PU is Inclusive of material and Labour per point basis.	2050.00	Nos	2753150.00
3	793.00	Nos	Pressure Grouting of ZYCOSIL+& ZYCOPRIME In the walls For Arresting the capillary rise of water in the walls from earth: In the walls one foot above the floor level identified points will be drilled with a gap of 1.5 foot and PVC Nozzles will be fixed by using fast setting Chemical Rendroc Plug foot and PVC Nozzles will be fixed by using fast setting Chemical rendroc plug (Fosroc Chemicals) and will be allowed to dry to become air tight. once the Nozzles are ready ,the Organosilance waterproffing agent Zycosil +and the Acrylic Co-polymer Emulsion Zycoprime + (ZYDEX) will be mixed as per the ratio specified by the company and will be injected through the Nozzles by using manually operated pressure Grouting pump with the pressure of 35 PSI to the saturation level until the Nozzles refuse the grouting chemicals and after the chemical get set, the Nozzles will be removed and the holes will be sealed with fast setting chemical to surface level. Total points to be grouted is 793 Nos. The charges for the application is inclusive of material and labour.	610.00	Nos	483730.00
4			Allow the floor and wall area to be clean and make sure at levellved area required to removed the existing plasters and fixing of shear connected GI wire reinforcement will be tiles connected with the shear connected for bonding puropose for the concrete.			
	400.00	Nos	a) Fixing of 8mm dia shear connector	600.00	Nos	240000.00
	400.00	Nos	b) Shear connector sealant	600.00	Nos	240000.00
5	664.00	Sqm	Dismantling existing cement mortar with Mosaic Tiles without affecting adjacent structure and cleaning the debaries 2 km away from the site etc., all complete and as directed by the departmental officers	61,27	Sqm	40683.28

Sl. No	Qty		Description of items	Rate	per	Amount
5			Providing and laying in position, <b>Standardised Concrete Mix M-30 Grade</b> in accordance with IS:456-2000 using 20mm and down graded <b>hard broken granite stone jelly</b> for the all RCC items of works with minimum cement content of 400 Kg/m <sup>3</sup> and maximum water cement ratio of 0.45, including admixture (plasticiser/super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 cum) 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum) 5156 Kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670Kg of sand (for making 10 cum) but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra etc., complete complying with relevent standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by the Departmental for the excess usage of materials)			
	128.70	Cum,	a. Foundation & basement	8948.72		1151700.26
6			Providing <b>Form work</b> and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cm x 60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specification and as directed by the departmental officers.			
	393.40	Sqm	d) Vertical wall	1130.16	Sqm	444604.94
7	9.65	MT	Supplying, fabricating and placing in position of Mild steel Grills/Ribbed Tor Steels for reinforcement for all floors including cost of binding wire, bending, tying and applying one coat of without cement slurry etc., all complete and as directed by the departmental officers.	92055.30	MT	888563.78
8	9.65	MT	Applying one coat of anticorrosive treatment on steel reinforcement rods (20 ltrs. Of anitcorrosive chemical for one mertic tonne of steel reinforcement rods) at site including a cost of required quantity of anticorrosive chemicals, (best approved quality)cement, consumables such as brushes, gloves and labour for anticorrosive coating etc. complete and as directed by the departmental officers. (The Quantity and brand of anticorrosive chemaical should be got approved by the EE before use).	4865.50	MT	46964.24
9	472.00	Sqm	Plastering with CM 1:3 (One of cement and three of sand) 20mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	573.59	Sqm	270734.48
10	663.70	Sqm	White washing two coats using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects.	36.81	Sqm	24430.80

Sl. No	Qty		Description of items	Rate	per	Amount
11	966.00	Sqm	Painting the new walls two coats with 1 <sup>st</sup> class ready mixed plastic emulsion paint of best approved quality colour and shade including Thorough scrapping the old surface, clean removal of dirt and dust etc., complete including cost of necessary brushes, labour charges, putty etc., complying with relevant standard specification. (The paint should be supplied by the contractors at his own cost. The quality and shade of the paint should be got approved by the Executive engineer before use.)	248.97	Sqm	240505.02
12	664.00	Sqm	Supplying and fixing of grey colour Granite slab super fine polished with machine cut edges of 18 to 20mm thick for flooring over cement plastering in Cm 1:3 20mm thick including fixing in position cutting the tiles to the required size wherever necessary pointing the joints with coloured cement curing finishing etc., all complete and as directed by the departmental officers.	2468.84	Sqm	1639309.76
			<b>Sub total -I</b>			<b>8927711.57</b>
13			Gst 18%			1606988.08
			<b>Sub total -II</b>			<b>10534699.65</b>
14			Provision for Internal Electrical arrangements and Collection pit with motor arrangements	LS		6,00,000.00
			<b>Sub total -III</b>			<b>1,11,34,699.65</b>
15			Labour welfare @1%			89,277.12
16			Unforeseen items, contingencies and PS Supervision Charges @ 2.5%			2,23,192.79
17			Supervision Charges @7.5%			6,69,578.37
			GST for Supervision Charges @ 18%			1,20,524.11
			<b>Grand Total</b>			<b>1,22,37,272.03</b>
					Say	<b>1,22,37,300/-</b>

  
**Chief Engineer**



## Tamil Nadu Police Housing Corporation Limited

## ABSTRACT

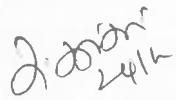
**Name of Work:** Air conditioner arrangement for TNSC bank Head office at Parry's corner in Chennai city.

Sl. No	Qty	Description of items	Rate	per	Amount
1		Supply of Blue Star make All Inverter VRF system model VRF V Plus outdoor units or equivalent with inverter compressor with condensing unit blue fin coated condensor coils multi speed fan motor. The capacities mentioned below will be in combination of outdoor units (max upto 3 outdoor units allowed per combination to meet each of the capacity mentioned below). The units must deliver the below mentioned capacities at an ambient up to 41 deg C without deration Capacity of the outdoor units have to be increased if there is deration for the said unit capacities. The outdoor units have to be designed for working at an ambient conditions of 41 deg C and units must run even at Higher ambient conditions of up to 52 deg C without tripping.			
	6.00	Nos a) 44HP capacity	1148940	Nos	6893640.00
2		Supply of ceiling mounted ahu type ductable indoor unit.			
	12.00	Nos a) 18TR capacity	231300	Nos	2775600.00
3	12.00	Nos Supply of corded remotes	4500	Nos	54000.00
4	12.00	Nos Refnets joints	7500	Nos	90000.00
5		Erection and installation of blue star make inverter type VRF system outdoor unit (44 HP)			
	6.00	Nos a) 44HP	141500	Nos	849000.00
6	12.00	Nos Installation of ductable / ahu indoor units	9000	Nos	108000.00
7	550.00	Rmt Supply, installation, testing and commissioning of VRF Copper Refrigerant Suction Piping along with 19mm thick insulation on suction line with proper clamping at regular intervals	2420	Rmt	1331000.00
8	550.00	Rmt Supply, Installation, testing commissioning of VRF Copper Refrigerant Liquid Piping with 13 mm thick insulation on the liquid line along with proper clamping at regular intervals	1750	Rmt	962500.00
9	900.00	Rmt Supply and installation of control wiring between indoor and outdoor units with PVC conduits etc	300	Rmt	270000.00
10	250.00	Rmt Supply and laying of PVC drain piping with insulation as required (40mm)	275	Rmt	68750.00
11	100.00	Rmt Supply and laying of PVC drain piping with insulation as required (25mm)	240	Rmt	24000.00
12	225.00	Kg R-410 Refrigerant Gas	1500	Kg	337500.00
13	300.00	Set GI Tray (150mm x 50mm) with cover for the exposed copper piping	750	Set	225000.00

Sl. No	Qty		Description of items	Rate	per	Amount
14	12.00	Set	Modification of Existing ducts to connect the new indoor units and false ceiling modification with provisioning of trap doors for installation of indoor units at each of the floor	25000	Set	300000.00
15	12.00	Set	Supply and providing canvass connection for ductable indoor units	3500	Set	42000.00
16	1.00	Job	Scaffolding from the ground floor to the terrace for laying the refrigerant piping support work	165000	job	165000.00
17	1.00	Job	VRF unit lifting & shifing and transportation of the outdoor and indoor unit etc	196000	job	196000.00
18	1.00	Job	Disconnection and removal of existing 2 nos of chillers and 2 nos of ahy units	40000	job	40000.00
19	1.00	Job	Complete testing & commissioning of change over from the old air conditioning system to the new proposed air conditioning system	75000	job	75000.00
20	1.00	Job	Civil work charges like wall opening for copper piping and closing at duct opening from the shaft as required tomcarry out duct modifications	175000	job	175000.00
21	1.00	Job	MS structural work as required for copper piping and laying of trays as required	90000	job	90000.00
22	1.00	Job	Less: Buy back of cold chiller units (2 nos) and ahu units (2 nos) and related Ms pipiping, related electrical panel.	-150000	job	-150000.00
23			Providing and laying in position, <b>Standardised Concrete Mix M-30 Grade</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for the all RCC items of works with minimum cement content of 400 Kg/m <sup>3</sup> and maximum water cement ratio of 0.45, including admixture (plasticiser/super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 cum) 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum) 5156 Kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670Kg of sand (for making 10 cum) but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the R.C.C floor/roof slabs wherever necessary without claiming extra etc., complete complying with relevent standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by the Departmental for the excess usage of materials)			
	0.25	Cum	c) In First floor	9340.27	Cum	2335.07
	0.25	Cum	d) In Second floor	9599.98	Cum	2400.00
	0.25	Cum	e) In Third floor	9859.69	Cum	2464.92
	0.25	Cum	f) In Fourth floor	10119.4	Cum	2529.85
	0.25	Cum	g) In fifth floor	10379.11	Cum	2594.78
	0.25	Cum	h) In sixth floor	10638.82	Cum	2659.71
	0.25	Cum	i) Seventh floor	10898.53	Cum	2724.63



Sl. No	Qty		Description of items	Rate	per	Amount
24			Providing Form work and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cm x 60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specification and as directed by the departmental officers.			
	17.15	Sqm	b. Plain surfaces such as Roof slab, floor slab, Beams, lintels, lofts, sill slab, staircase waist, portico slab and other similar works	1027.42	Sqm	17620.25
			<b>Sub total -I</b>			<b>14957319.20</b>
25			Gst 18%			2692317.16
			<b>Sub total -II</b>			<b>17649636.66</b>
26			Dismantling existing RCC unwanted Column, roof slab, chiller units etc making pieces, bring down from 7th floor to Ground floor and Stacking, carting away 10 km from the site.	LS		4,00,000.00
			<b>Sub total -III</b>			<b>1,80,49,636.66</b>
27			Labour welfare @1%			149573.19
28			Unforeseen items, contingencies and PS Supervision Charges @ 2.5%			373932.98
29			Supervision Charges @7.5%			1121798.94
30			GST for Supervision Charges @ 18%			201923.81
			<b>Grand Total</b>			<b>1,98,96,865.58</b>
					Say	<b>1,98,96,900/-</b>

  
**Chief Engineer**



## Tamil Nadu Police Housing Corporation Limited

## ABSTRACT

Name of Work: External electrical arrangement for TNSC bank Head office at Parry's corner in Chennai city.


Sl. No	Qty	Description of items	Rate	per	Amount
1		RMG UNIT			
		11 KV HT RMG UNIT - INDOOR TYPE			
	1.00	Set Supply, installation, testing and commissioning of 11 KV, 800A, 500 MVA indoor Ring Main Gear ( RMG ) 5 Panel refer single line diagram	2800000.00	Set	2800000.00
2		HT PANEL ( VCB ) - 3 Unit		0	
		3 PANEL HT VCB - INDOOR TYPE - ( TRANSFORMER CONTROL )		0	
	1.00	Set Supply, installation testing and commissioning of 1 set of totally enclosed, Indoor type four standing, sheet steel clad cubicle pattern 3 panel 11 KV HT Switch gear Panel	1052700.00	Set	1052700.00
3		HT CABLING AND END TERMINATION		0	
	40.00	Rmt Supply and laying of 3 Core X 300 Sqmm 11 KV ( E ) XLPE armoured aluminium underground cable in the existing cable trenches / Cable Tray	3380.00	Rmt	135200.00
4	60.00	Rmt Supply and laying of 3 Core X 185 Sqmm 11 KV ( E ) XLPE Armoured Aluminium underground cable in the existing cable trenches / Cable Tray	3050.00	Rmt	183000.00
5	4.00	No Supplying and making indoor / outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for 300 Sq.mm 3 Core XLPE Aluminium conductor cable of 11 KV grade	16804.00	No	67216.00
6	4.00	No Supplying and making indoor / outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for 185 Sq.mm 3 Core XLPE aluminium Conductor Cable of 11 KV grade	15750.00	No	63000.00
7		AIR COOLED TYPE TRANSFORMERS ( DRY TYPE )		0	
	2.00	No Supply, installation and commissioning of 400 KVA / 11 KV / 433 V, 3 Phase, 50 HZ Copper, Double Wound, Air Cooled type transformer with ambient temperature 50°C, Tap range No of steps & position should be +5% to- 15%, 8 steps, 9 Pos @ 2.5% 50 Hz complete with copper wound to suit connection with 11KV HT Switchgear and 800A TPN LT switchgear compact substation suitable for indoor installation	2850000.00	No	5700000.00
8		Main MV Panel Board / Sub Switch Board comprising of 1 Nos.800A 4 pole ACB EDO with SC,OV, EF release RYB indication lamp, Ammeter Volter meter with multifunction meter etc, as incomer.		0	
		400A 4 pole Motorizes MCCB as incomer with SC,OV, EF release RYB indication lamp, Ammeter Volter meter with multifunction meter etc, as DG Incomer		0	
		800A 4 pole MDO ACB as buscoupler complete with electrically and mechanically interlocked as per CEIG norms.		0	

Sl. No	Qty		Description of items	Rate	per	Amount
	1.00	Set	6 Nos 200 A TPN Micro processor MCCB, 2 Nos 400 A TPN Micro processor MCCB, as outgoing complete with single busbar system. Cable chamber, busbar chamber with suitable Aluminium busbar etc	2525000.00	Set	2525000.00
9	2.00	Set	Supply and installation of 200A TPN MCCB with RYB indicating lamp, Ammeter, Voltmeter complete with incoming and outgoing bus bar for Chiller control	32000.00	Set	64000.00
10			CAPACITOR PANEL		0	
	2.00	Set	Design, Fabrication, Supply and Erection Sub Switch Boards Cubicle Type Floor Mounting Arrangement 120KVAR with automatic power factor correction	346000.00	Set	692000.00
11			RISING MAINS		0	
	52.00	Rmt	Supply, Erection, Testing and Commissioning of 400 A, 415 V TPN Aluminium Bus Bar Rising Main Indoor type Totally Dust and Vermin Proof	21500.00	Rmt	1118000.00
12	2.00	No	Supply & Fixing of 400 A Flexibles on the incoming side of Rising Mains	24500.00	No	49000.00
13	2.00	No	Supply and erection of 400 A TPN ACB Fixed Type With Manual Closing Mechanism of 50 KA Short Circuit rating with thermal	86500.00	No	173000.00
14			Supply and Fixing of Tap Off Boxes of the Following rating main including interconnection to the rising main.		0	
	14.00	No	a) 200ATap Off Box With 200 A TPN Fixed Type MCCB With Manual Closing Mechanism of 25 KA Short Circuit rating with Mechanical interlock	31500.00	No	441000.00
	14.00	No	b) 100 A Tap Off Box With 100 A TPN Fixed Type MCCB With manual closing mechanism with Mechanical interlock	24000.00	No	336000.00
15	14.00	No	Supply and fixing of interconnection box between the rising main 1 & 2 tap OFF box for connecting the cable with suitable busbar and suitable size of M.S powdercoated box complete with hard ware etc	6800.00	No	95200.00
16			FLOOR PANEL		0	
	7.00	No	Supply and Erection of 200 Amps Capacity Floor Mounting panel Board ( Cubical Type ) With Bus Bar Chamber Incomer 200A TPN MCCB and 4 Nos 125A TPN MCCB as out going and 1 No 63A TPN MCCB as out going with Multifunction meter control MCB etc.	156000.00	No	1092000.00
17	7.00	No	Supply and erection of 100 Amps Capacity Floor Mounting Panel Board ( Cubical Type ) With Bus Bard Chamber Incomer 100A TPN MCCB, outgoing 5 Nos 63A TPN MCCB with multi function meter etc	108000.00	No	756000.00
18			CABLE TRAY & COVERING SHAFT OPENING		0	
	8.00	Sqm	Design, Cutting and Fixing of 8 mm Thick Chequered Plate with Required MS Angles for Closing Around the rising main shafts and Communication Shafts	7200.00	Sqm	57600.00
19			Supply and Erection of Following Sizes GI Ladder Type Cable Rack System		0	
	25.00	Rmt	(a) 300 MM X 50 mm Width	920.00	Rmt	23000.00

Sf. No	Qty		Description of items	Rate	per	Amount
20			Supply and Fixing of Perforated Cable Trays of Sizes as given below made out of 14 SWG CRCA Sheet Steel		0	
	25.00	Rmt	a) 300 X 50 mm	1100.00	Rmt	27500.00
21			LT CABLING AND END TERMINATION		0	
			Supply and Laying of PVC / XLPE, Conduction 1.1 KV Grade armoured, MV Cable of the following Sizes in the Existing Cable Trays / Trenches		0	
	800.00	Rmt	a) 3.5 C X 400 Sqmm Aluminium Armoured Cable	2369.00	Rmt	1895200.00
	300.00	Rmt	b) 3.5 C X 185 Sqmm Aluminium Armoured Cable	1361.00	Rmt	408300.00
	160.00	Rmt	c) 3.5 c X 95 Sqmm Aluminium Armoured Cable	780.00	Rmt	124800.00
	180.00	Rmt	d) 4 C X 25 Sqmm aluminium Armoured Cable	320.00	Rmt	57600.00
	200.00	Rmt	e) 4 C X 16 Sqmm Aluminium Armoured cable	260.00	Rmt	52000.00
22			Supply and Fixing of brass cable gland for XLPE armoured LTUG Cable for following sizes with earth connection		0	
	24.00	No	a) 3.5 C X 400 Sqmm aluminium armoured cable	660.00	No	15840.00
	16.00	No	b) 3.5 C X 185 Sqmm aluminium armoured cable	450.00	No	7200.00
	4.00	No	c) 3.5 C X 95 Sqmm aluminium armoured cable	250.00	No	1000.00
	12.00	No	d) 3.5 C X 25 Sqmm Aluminium Armoured Cable	150.00	No	1800.00
	8.00	No	e) 4 C X 16 Sqmm Aluminium armoured Cable	125.00	No	1000.00
23			Supply and Providing cable end termination of following sizes of XLPE armoured LTUG Aluminium cable with necessary aluminium cable sockets		0	
	72.00	No	a) 3.5 C X 400 Sqmm aluminium armoured cable	180.00	No	12960.00
	48.00	No	b) 3.5 C X 185 Sqmm aluminium Armoured Cable	150.00	No	7200.00
	16.00	No	c) 3.5 C X 95 Sqmm Aluminium Armoured Cable	120.00	No	1920.00
	48.00	No	d) 3.5 C X 25 Sqmm Aluminium armoured Cable	60.00	No	2880.00
	32.00	No	e) 4 C X 16 Sqmm Aluminium armoured Cable	50.00	No	1600.00
24			SUBSTATION EQUIPMENTS		0	
	8.00	No	Supply , fixing , Testing and Commissioning of AC Chargeable Emergency lamp 2 X 11 W PL Lamp with all connected Accessories.	3200.00	No	25600.00
25	10.00	No	Supply and installation of 12 mm Thick rubber mat with ISI mark suitable for 11 KV Installation conforming to IS 15652 2mtr Lengthx 1mtr width	3100.00	No	31000.00
26	28.00	No	Supply and Installation of 2 mm thick rubber mat with ISI Mark Suitable for 1.1 KV grade Confirming to IS 15652 2mtr Lengthx 1mtr width	2900.00	No	81200.00
27	2.00	No	Supply and Providing approved make first aid box complete with all first aid medicines.	1712.00	No	3424.00
28	4.00	No	Supply and Providing shock treatment chart fixed in glazed frame ( English and Tamil )	650.00	No	2600.00
29	8.00	No	Supplying and erecting of fire bukets with river sand with necessary marking	580.00	No	4640.00
30	2.00	No	973) supply and Fixing of Fire buketa stand suitable for 4 Nos. Fire Buckets made out of 40 X 40 X 6 mm MS Angle	2400.00	No	4800.00
31	2.00	No	973.1) Supply and Hand Gloves 11 KV Grade	1200.00	No	2400.00
32	8.00	No	Supply and Installation of Danger Board as required by the electrical authorities.	520.00	No	4160.00
33	8.00	No	973.3) Supply and erection of fire extinguisher CO2 4.5 Kg Confirming to TAC norms.	1446.00	No	11568.00
34			LIFT PANEL & DB		0	

Sl. No	Qty		Description of items	Rate	per	Amount
	1.00	No	Supply and Erection of 200 Amps Capacity Floor Mounting panel Board ( Cubical Type ) With Bus Bar Chamber Incomer 200A TPN MCCB and 4 Nos 125A TPN MCCB as out going and 1 No 63A TPN MCCB as out going with Multifunction meter control MCB etc.	98000.00	No	98000.00
35			LIGHTING DBs		0	
	8.00	No	Supply and Fixing of Triple Pole and neutral Six Way MCB distribution Board with 40A pole MCB as incomer 3 Nos 40A DP RCBO 30 mA and 18Nos 6 to 32A SP MCB as outgoing	21500.00	No	172000.00
36			EARTHING AND EARTH CONNECTION		0	
a	10.00	No	Plate Earthing With Copper Plate of Size 600 X 600 X 3 mm as per the ISI Specification with an earth Electrode	11200.00	No	112000.00
b	80.00	Rmt	Providing and fixing 40 mm X 6 mm Copper Strip on Surface or In Recess for connections	2085.00	Rmt	166800.00
c	80.00	Rmt	Providing and fixing 25 mm X 6 mm Copper Strip on Surface or In Recess for connections	1270.00	Rmt	101600.00
d	400.00	Rmt	Providing and Fixing 50 mm X 6 mm GI Strip on Surface or In Recess for Connection	440.00	Rmt	176000.00
e	450.00	Rmt	Providing and Fixing 25 mm X 3 mm GI Strip on Surface or In Recess for Connection	140.00	Rmt	63000.00
f	200.00	Rmt	Supply and run of 1 of No . 8 Tin Coated Copper for Earth Connections	140.00	Rmt	28000.00
37			LIFT SHAFT WIRING		0	
	75.00	Point	Wiring for Lift well Light Point and Socket outlet With 2 X 1.5 Sqmm FRLS PVC Insulated Stranded Copper Conductor	1450.00	Point	108750.00
38			EMERGENCY LIGHTING		0	
	1.00	No	Supply, Installation, Testing and Commissioning of 5 KVA Inverter With 30 Min Back - Up	156000.00	No	156000.00
39			MISCELLANEOUS ITEMS		0	
			Supplying, Fixing, Testing and commissioning of MCCB / CB / Isolator in a Sheet Steel Enclosure		0	
	4.00	No	a. 40 A TPN and Neutral 63 A, 10 KA MCB	4800.00	No	19200.00
	4.00	No	b. 10/20/32 A DP MCB	3200.00	No	12800.00
	1.00	No	c. 63 A TPN MCB	4200.00	No	4200.00
40	20.00	Rmt	Construction of cable trench with suitable fixing of Panel board with laying of cables made out of brick mesonary 1000mm width and depth of 1000mm complete with as instructed by engineer incharge and removing of surplus soil from the place to outside the compus	22500.00	Rmt	450000.00
41	10.00	No	Providing and Fixing H.T Danger notice plate of 250 mm X 200 mm, Made Mild Steel, Atleast 2mm Thick	680.00	No	6800.00
42			CEIG APPROVAL		0	
43	1.00	Job	Preparation of Necessary electrical drawings for approval by CEIG, Submission of drawings for approval, arrange for the inspection of the Electrical inspectorate Officials.	250000.00	Job	250000.00
44	1.00	Job	Removing of Existing transformer, HT breaker, Cables, Temination material, earthing etc and same has to handed over to client wherever located as instructed by Engineer incharge. Before quoting site has to be visited	176000.00	Job	176000.00

Sl. No	Qty		Description of items	Rate	per	Amount
45	2.00	Job	Preparation of Transformer foundation for erecting the New Transformer with use 1: 2 : 4 RCC concrete including plastering suitable for the New Transformer.	41300.00	Job	82600.00
46	1.00	Job	Removiung of existing HT breaker related cables,earthings,etc..	88500.00	Job	88500.00
47	1.00	Job	Construction of cable chamber with use of brick mansonary size of one meter width ,one meter depth and the length of 15 meter.	147500.00	Job	147500.00
48	1.00	Job	Removing of exisisting MV panel,capacitor panel and related sub panels as instructed by engineer incharge	147500.00	Job	147500.00
			<b>Sub total -I</b>			<b>22780358.00</b>
49			Gst 18%			4100464.44
			<b>Sub total -II</b>			<b>26880822.44</b>
50			Labour welfare @1%			2,27,803.58
51			Unforeseen items, contingencies and PS Supervision Charges @ 2.5%			5,69,508.95
52			Supervison Charges @7.5%			17,08,526.85
53			GST for Supervision Charges @ 18%			3,07,534.83
			<b>Grand Total</b>			<b>2,96,94,196.65</b>
					Say	<b>2,96,94,200/-</b>

  
**Chief Engineer**





**Tamil Nadu Police Housing Corporation Limited**

**ABSTRACT**

**Name of Work: Special repair work of TNSC bank Head office at parrys corner in Chennai city.**

Sl. No	Qty		Description of items	Rate	per	Amount
1	578.00	Sqm	Plastering with CM 1:3 (One of cement and three of sand) 20mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	573.59	Sqm	331535.02
2	98.60	Cum	Plain cement concrete 1:5:10 (One of cement, five of sand and ten of hard broken stone Jelly) for foundation using 40 mm gauge hard broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by the departmental officers.	5169.75	Cum	509737.35
3			Brick work in Cement Mortar 1:6 (One of cement and six of sand) using Chamber burnt bricks of size 9"x4½"X3" (23x11.4x7.5cm) for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying with relevant standard specifications and drawings.			
4	3.00	Cum	(b) In First Floor	7137.71	Cum	21413.13
5	1.50	Cum	(c) In Second Floor	7312.83	Cum	10969.25
6	2.00	Cum	(d) In Third Floor	7487.95	Cum	14975.90
	2.00	Cum	(e) In Fourth Floor	7663.07	Cum	15326.14
	2.50	Cum	(f) In Fifth Floor	7838.19	Cum	19595.48
	384.00	Sqm	Dismintling the damaged existing pressed tiles without damaging the adjacent structures etc., And cleaning the debris away from the site etc., all complete	25.52	Sqm	9799.68
	384.00	Sqm	Finishing top of roof with one course of Hydraulic Pressed Tiles of approved superior quality of size 23cmx 23cmx20mm thick laid over weathering course in cm 1:3 (One of cement and three of sand) 12mm thick mixed with crude oil at 10% by weight of cement used and pointed neatly with the same oil mixed mortar, curing etc., as per standard specifications. (The quality of tiles shall be got approved from the EE before use)	1275.11	Sqm	489642.24
	906.20	Sqm	Pointing the Pressed Tile over the roof with cement mortar 1:3 (One of cement and three of sand) including cost of all materials and labour charges for pointing, curing etc., all complete and as directed by the departmental officers.	345.52	Sqm	313110.22
7	906.20	Sqm	Roof treatment using polymer modified material applying one coat of polymer liquid and two coats of clear seal coatafter cleaning the enteries surface	510.00	Sqm	462162.00
8	4966.90	Sqm	White washing two coat using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding and scrapping the painted surface etc., complete in all respects.	36.81	Sqm	182831.59
9	12899.80	Sqm	Painting the old walls with two coat with 1 <sup>st</sup> class ready mixed plastic emulsion paint of best approved quality colour and shade including scrapping the surface, clean removal of dirt and dust etc., complete including cost of necessary brushes, labour charges, putty etc.,	178	Sqm	2296164.40
10	4192.00	Sqm	Painting the old walls with two coat with 1 <sup>st</sup> class ready mixed exterior emulsion paint of best approved quality colour and shade including scrapping the surface, clean removal of dirt and dust etc., complete including cost of necessary brushes, labour charges, putty etc.,	179.15	Sqm	750996.80

Sl. No	Qty		Description of items	Rate	per	Amount
11	77.70	Sqm	Supplying and fixing of single leaf door shutters by using Best Indian T.W. Marine door shutters with 9mm thick phenol bonded BWR grade plywood as per IS 303-1989 (General) with IS 5539-1969 (for preservative treatment) and IS 848-1974 (for adhesives) with relevant IS specifications and its latest amendment for shutters with 75mm x 37.50 mm teak wood styles and 3 Nos. of 150 mm x 37.50 mm TW rails (top, bottom and lock rails) using the above panel including labour for fixing in position, cost of materials, Aluminium Furniture fittings such as 3 nos. of 5" of Aluminium butt hinges, 2 nos. of 6"x1/2" Aluminium Tower bolt, 1 No of 10"x5/8" Aldrop, 1 No of Handle with CP screws, Nylon Bush of best approved quality and on rear side of the door to fixed the 1mm thick PVC sheet & adhesives for PVC sheet, of approved quality and shade, all complete & as directed by the departmental officers. (The quality of BWR plywood should be got approved from the Executive Engineer before use.) (1000X210mm)	4196.63	Sqm	326078.15
12	36.00	No	Supplying and fixing EWC superior variety (white) 500mm with PVC SWR grade 'P' or 'S' trap including cost and fixing of double flapped coloured plastic sheet cover PVC flushing cistern in appropriate level as directed by the departmental officers at a maximum level of 5'6" and of approved brand of 10litres capacity including fittings such as CI brackets. PVC connection GM wheel valve, Hex nipple, etc., complete (Th Quality and brand of EWC and plastic cover shall be got approved from the Executive Engineer before fixing)	7516.55	No	270595.80
13	22.00	No	Supplying and fixing of White Colour Wall mounted European Water closet (18") superior variety including cost and fixing of without cistern-comprising the following including cutting and making good the walls/floor wherever required all complete finished item of work and as directed by the departmental officers. The side gap between EWC mouth and pan connector to be filled with silicon sealant etc., all complete and as directed by the departmental officers. (The material brand and quality should be got approved from the EE before use)	5888.00	No	129536.00
14	24.00	Nos	Supplying and fixing of Indian Water Closet white glazed (oriya type) of size 580 mm X 440 mm of approved make with ISI mark (to be got approved from EE before use) with PVC SWR grade P or S trap, including concrete filling the sunk portion with brick jelly lime concrete proportion of brick jelly to lime being 32:12½ by volume (32 cft of 20mm gauge brick jelly and 12 ½ cft of slaked lime) (No sand) and top 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly including plastering the sides of sunk portion in CM 1:3 (one of cement and three of sand) 12mm thick mixed with water roofing compound at 2Kg / m <sup>2</sup> and top left rough to receive the floor plastering but including antisiphonage connection, one coat of bitumen for the sides , bottom and curing etc., complete in all floors. (Other than ground floor)	5505.37	Nos	132128.88

Sl. No	Qty		Description of items	Rate	per	Amount
15	72.00	Nos	Supplying and fixing of 300 mm dia sweep AC exhaust fan of approved ISI quality including necessary wall opening, fixing and finishing the wall opening and making good including cost of material, labour for fixing, chipping and redoing necessary inter connection, scaffolding, hire charges for tools and plants etc., all complete and as directed by the departmental officers.	2363.00	Nos	170136.00
16	397.20	Sqm	Supplying and fixing of colour Ceramic Tiles Anti skid without corrugated design for flooring and other similar works (Best approved quality, colour and shade shall be got approved from the Executive Engineer before using) over cement mortor 1:3 (One of cement and three of sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary pointing the joints with white cement, curing, finishing etc., all complete and as directed by the departmental officers (Special type)	1284.70	Sqm	510282.84
17	1706.20	Sqm	Supplying and fixing of Colour glazed tiles (Best approved quality and the same shall be got approved from the Executive Engineer before using) over cement plastering in CM 1:2 (One of cement and two of sand) 10mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with coloured cement, curing, finishing etc., all complete and as directed by the departmental officers.(Special type)	1466.73	Sqm	2502534.73
18	12.70	M <sup>3</sup>	Weathering Course with concrete broken brick jelly 20mm gauge in pure burnt lime stone slaked and screened (No Sand) over RCC Roof Slab with proportion of brick jelly to lime (fat lime) being 32: 12 1/2 by volume well beaten with wooden beaters for giving the required slope and thickness complying with relevant standard specification and as directed by the departmental officers.	3927.88	M <sup>3</sup>	49884.08
19	70.00	Nos	Supply and fixing of oval shape wash basin (white without pedestal) of size 550 x 430mm of best approved quality with ISI mark including cost and fixing of bracket, PVC waste pipe, required grating, C.P.trap, Bob cock, PVC connections, C.P.waste plug with aluminium chain including labour charges for fixing clamps screws and solution of white cement etc. all complete in all respects as directed by the departmental officers. (The brand and quality of the wash basin should be got approved from the Executive Engineer before use.)	3495.67	Nos	244696.90

Sl. No	Qty		Description of items	Rate	per	Amount
20	124.50	Sqm	Providing UPVC (Un-Plasticized Polyvinyl Chloride) Door: Providing and fixing casement doors fabricated from unplasticized polyvinyl chloride (uPVC) sections. Profiles: The profiles should be three chamber system which provides high insulation properties with outer frame 60mm x 55mm with an outer wall thickness of 2.4mm. The window unit should be designed with all corner joints mitred and fusion welded. Windows should be steel reinforced with 25 x 24 x 25mm steel reinforcement with a thickness of 1mm to have dimensional stability. The sash should be of 60 x 102mm. The mullion should be of 60 x 74mm. The profiles should have co-extruded seals. Hardware: All the hardware like friction stays, handles should be screwed with self tapping screws. The handles, locks should be designed so that they cannot be released from outside. Glazing: The window system should be glazed with 5mm plain float glass / 6mm bison lam Installation: The profiles should be cut to length and welded 45 degrees. The window should be designed such that the water drainage does not pass through the reinforcement chamber. The window system should be fixed directly to the plastered brick wall using self expanding nylon plug and driving ms electroplated screws into plug.	8313.00	Sqm	1034968.50
21			Providing <b>two legged scaffolding</b> using 15cm diameter casurina props or best quality bamboo posts of 4m overall length (3m height + 0.50m projection + 0.50m into the ground ) the distance between the two rows being 1.25 m and the spacing of posts being 2m in both rows with two horizontal posts with 0.5m overlap on either side and braces at 2m c/c including longitudinal and transverse middle braces to step up and providing a platform with country wood planks of 40mm thick and 1 m width etc., ( To a height of 9m ) in a complete firm using coir and nails 1m run.			
	147.28	Rmt	28.5 m height	3910.72	Rmt	575970.84
			<b>Sub Total -I</b>			<b>11375071.91</b>
22			GST 18%			2047512.94
			<b>Sub total -II</b>			<b>13422584.85</b>
23			Provision for Carting debris away from site	LS		50000.00
24			Provision for Plumping arrangements	LS		1500000.00
25			Provision for Strengthening front side Sunshade & Fins	LS		500000.00
			<b>Sub total -III</b>			<b>1,54,72,584.85</b>
26			Labour welfare @1%			113750.72
27			Unforeseen items, contingencies and PS Supervision Charges @ 2.5%			284376.80
28			Supervision Charges @7.5%			853130.39
29			GST for Supervision Charges @ 18%			153563.47
			<b>Grand Total</b>			<b>1,68,77,406.23</b>
					Say	<b>1,68,77,400/-</b>

  
**Chief Engineer**

## Tamil Nadu Police Housing Corporation Ltd

**Name of work: Renovation works to Existing TNSC bank at Korattur Branch in Chennaicity.**

### Abstract Estimate

Sl. No.	QTY	Description	Rate	Unit	Amount
1	3.80	Dismantling the damaged RCC work	4308.70	Cum	16373.06
2	54.30	Providing Two legged Shcafolding b.5.50 m height	721.30	Cum	39166.59
3		Earth work excavation for foundation with all leads and lifts in all soils and sub soils etc., all complete including refilling			
	42.20	a. 0 to 2 mt.	260.80	Cum	11005.76
4	22.00	Filling with excavated earth	42.85	Cum	942.70
5	490.80	Filling dust Dust	326.65	Cum	160319.82
6	18.50	C.C.1:5:10 for Foundation & Basement	5102.24	Cum	94391.44
7	61.70	Flooring bed in CC 1:5:10 using 40mm HBS jelly for foundation & basement	5102.24	Cum	314808.21
8	52.90	CC 1:2:4 using 20mm HBS jelly for foundation & basement	6653.70	Cum	351980.73
9	48.20	Supply and fixing of Paver block for 63mm thick	633.13	Sqm	30516.87
10		providing Standardised concrete Mix M25Grade Concrete for RCC works excluding the cost and fabrication of reinforcement grills, shuttering and centering but including vibrating, laying, curing and finishing etc., complying with relevant standard specifications in the following floors.			
	6.90	a. In Foundation and basement	8526.41	Cum	58832.23
	2.20	c. For First floor	8658.25	Cum	19048.15
11		<b>Providing Form work using MS sheet</b>			
	36.70	a.For Column footings,plinth beam,Grade beam,Raftbeam,Raft slab etc.,	923.99	Sqm	33910.43
	15.70	b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works	1027.42	Sqm	16130.49
	14.70	c.Form work for Small quantity and column using M.S. sheet	1232.90	Sqm	18123.63
12	16.00	Dismantling the damaged pressed tiles in cement mortar without affecting the adjacent structures in all floors including the cost of required tools and plants and clearing the debris away from the site etc., all complete and as directed by the departmental officers.	45.98	Sqm	735.68
		<b>P21/SR-2023-2024</b>			

Sl. No.	QTY	Description	Rate	Unit	Amount
13	108.40	Dismantling the damaged Floor and wall tiles in cement mortar without affecting the adjacent structures in all floors including the cost of required tools and plants and clearing the debris away from the site etc., all complete and as directed by the departmental officers. <b>P21/SR-2023-2024</b>	61.27	Sqm	6641.67
14	2.00	Removing the IWC and dismantling the lime concrete in all floors without affecting the adjacent structures and including clearing away the debris from the site hire charges for tools and plants etc., all complete and as directed by the departmental officers.	2145.00	Job	4290.00
15	386.40	Pointing the Existing Pressed tiles and removing all loose and dry cement pointing from the existing tile joints for pressed tile pointing including cost of labour and materials and etc.,	345.26	Sqm	133408.46
16	16.00	Finishing top of roof with one course of Hydraulic Pressed Tiles of size 23cmx 23cmx20mm thick laid over weathering course in cm 1:3, 12mm thick mixed.	1274.07	Sqm	20385.12
17	26.40	Brick work in CM 1:5 using chamber burnt bricks Foundation and basement	6914.98	Cum	182555.47
18	0.20	Brick work in CM 1:6 using chamber burnt bricks for super structure b. In Ground Floor	6943.78	Cum	1388.76
19	189.20	Brick partition wall in CM 1:4 using chamber burnt bricks b. In Ground Floor	886.82	Sqm	167786.34
20	1.00	Supply and fixing of E.W.C for approved quality	7516.55	Each	7516.55
21	3.00	Supply and fixing of Door Stopper including cost of Materials, labour and etc.,	138.00	Each	414.00
22	4.00	Supply and fixing of door Hinges (100 x 30mm) including cost of Materials, labour and etc.,	189.00	Each	756.00
23	3.00	Supply and fixing of Aldrops (250mm long 16mm dia rod) including cost of Materials, labour and etc.,	328.00	Each	984.00
24	3.00	Supply and fixing of Door Towerbolt (150mm long 12mm dia) including cost of Materials, labour and etc.,	182.00	Each	546.00
25	3.00	Supply and fixing of Door Handle including cost of Materials, labour and etc.,	175.00	Each	525.00
26	1.50	Supply and fixing of 4mm thick Pin head window glass including cost of Materials, labour and etc.,	857.30	Sqm	1285.95

Sl. No.	QTY	Description	Rate	Unit	Amount
27	2.10	Repair cracks, if any and all construction joint by cutting "V" groove (15mm x 15mm ) and fill with force rock nitobond SBR Latex Modified putty. make 50mm x 50mm corner fillet at the joint of roof slab with parapet wall/ vertical structure by force rock nitobond SBR Latex Modified putty including cost of Materials, labour and etc.. (Otn)	150.00	Sqm	315.00
28	3.00	Supply and delivery of following Electric Ceiling fan with blades and double ball bearing, capacitor, type complete with 300 mm down rods canopiesa) a. 48" Electric fan 1200mm sweep	1552.70	Each	4658.10
29	3.00	Charges for assembling and fixing of ceiling fan of different sweep with necessary connections and fixing of fan regulator on the existing board etc., all complete (Excluding cost of fan)	601.00	Each	1803.00
30	2.00	Supply and fixing of Fan hook	33.90	Each	67.80
31	1.00	Wiring with 1.5 sq.mm copper PVC insulated unsheathed single 1.1 KV grade core / cable with continuous earth by means of 1.5 sq.mm copper PVC insulated wire for Fan Point (Open wiring )	1008.20	Each	1008.20
32	4.00	Wiring with 1.5 sq.mm copper PVC insulated unsheathed single 1.1 KV grade core / cable with continuous earth by means of 1.5 sq.mm copper PVC insulated wire. <b>Open Wiring</b> a.Light Point with ceiling rose	921.20	Each	3684.80
	2.00	b.Light Point with out ceiling rose	923.20	Each	1846.40
33	21.00	Supplying and fixing of colour Ceramic Tiles for flooring and other similar works over cement mortar 1:3 20mm thick	1283.35	Sqm	26950.35
34	80.70	Supplying and fixing of Colour glazed tiles over cement plastering in CM 1:2 , 10mm thick	1466.04	Sqm	118309.43
35	2.00	Supply and fixing of I.W.C including cost of materials and etc, a. In Ground floor	3562.39	Each	7124.78
36	3.00	Supply and fixing of wash hand basin including cost of materials and etc,	3495.67	Each	10487.01
37	4.00	Supply and fixing of CP Short body tap including cost of materials and etc,	455.00	Each	1820.00
38	4.00	Supply and fixing of CP Long body tap including cost of materials and etc,	503.00	Each	2012.00
39	21.60	Supply and fixing of PVC Trims (corner beading) of tiles including cost of materials and etc, P42 SR-2023-2024	95.40	Rmt	2060.64
40	0.50	Supply and fixing of Upvc ventilators and etc,	8106.00	Sqm	4053.00



Sl. No.	QTY	Description	Rate	Unit	Amount
41	1.00	Supply and fixing of Pillar Tap including cost of materials and etc,	440.37	Each	440.37
42	2.00	Supply and fixing of Helath facet including cost of materials and etc,	1184.37	Each	2368.74
43	1.00	Supply and fixing of CP Angle Cock Tap including cost of materials and etc,	947.37	Each	947.37
44	10.00	Supply and fixing of 4' 20W LED tublight including cost of materials and etc,	704.20	Each	7042.00
45	2.00	Supply and fixing of 9W LED bulb including cost of materials and etc, Pg121 SR 2023-2024	135.00	Each	270.00
46	2.00	Supply and fixing of 12W LED bulb including cost of materials and etc,	270.00	Each	540.00
47	2.00	Supply and fixing of Bulk head including cost of materials and etc,	530.00	Each	1060.00
48	6.00	Supplying and fixing of 225 mm dia sweep AC exhaust fan of approved ISI Quality including necessary wall opening,	2179.00	Each	13074.00
49	2.00	Providing precast concrete slab for cupboard ward robes shelves, cover slab for chambers, Baffle walls side slabs of boxing around windows and other similar works in standized M25 grade cement concrete b.40mm thick In Foundation basement	1802.42	Sqm	3604.84
50	1.124	Supply and fabrication of mild steel grills for RCC work	91904.50	MT	103300.66
51	1.124	Anticorrosive treatment for Steel grills	4865.50	MT	5468.82
52	70.80	Clean removal of cement plaster from walls and rackingout joints 20mm deep SR -2023-2024	11.22	Sqm	794.38
53	70.80	Plastering with CM 1:5, 12mm thick	273.11	Sqm	19336.19
54	9.80	Special ceiling plastering with CM 1:3, 10mm thick	313.01	Sqm	3067.50
55	10.50	Plastering with CM 1:5, 20mm thick	556.23	Sqm	5840.42
56	31.50	Painting with Exterior Emulsion pain for outer walls	248.97	Sqm	7842.56
57	9.80	Painting with plastic Emulsion pain for outer walls	250.52	Sqm	2455.10
58	1274.50	Paiting the old wall with two coats of plastic Emulsion pain for outer walls	179.09	Sqm	228250.21
59	1076.80	Paiting the Old wall with two coats of plastic Emulsion pain for inner walls	177.94	Sqm	191605.79
60	145.80	Painting the Old Wood work with two coats of Synthetic enamel paint	169.75	Sqm	24749.55
61	5.80	Painting the New iron work with two coats of Synthetic enamel paint	147.11	Sqm	853.24
62	59.40	Painting the old iron work with two coats of Synthetic enamel paint	149.65	Sqm	8889.21



Sl. No.	QTY	Description	Rate	Unit	Amount
63	9.00	Finishing the top of flooring with cement concrete 1:3 20 mm thick Ellis Pattern Flooring	481.13	Sqm	4330.17
64	10.00	Supply, fiing of 25W LED street light etc.,	3460.00	Sqm	34600.00
65	6.00	Supplying, laying, fixing and jointing the following PVC pipes waste water pipe of 32mm dia	31.87	Sqm	191.22
66		Supplying, laying, fixing and jointing the following PVC pipes as per ASTM D - 1785 of schedule 40 of wall thickness not less than the specified in IS 4985 suitable			
	33.00	a) 32mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials	271.72	Rmt	8966.76
	17.00	b) 25mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials	253.00	Rmt	4301.00
	18.60	c) 20mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials	250.10	Rmt	4651.86
67		Supplying, laying, fixing and jointing the following PVC SWR pipes			
	4.60	a) 110mm dia SWR pipe	758.37	Rmt	3488.50
	3.60	b) 75mm dia SWR pipe	641.07	Rmt	2307.85
68	3.00	Supplying & fixing and of gully trap of 150mm	2168.12	Rmt	6504.36
69	37.60	Supplying, laying, fixing and jointing the following PVC SWR pipes Type A Rain water down fall pipe	357.54	Rmt	13443.50
70	18.00	Supply and fixing of 5A switches including cost of labour and materials and etc.,	21.00	No	378.00
71	2.00	Supply and fixing of 15A switches including cost of labour and materials and etc.,	74.00	Nos	148.00
72	5.00	Supply and fixing of ceiling rose including cost of labour and materials and etc.,	18.00	Nos	90.00
73	3.00	Supply and fixing of Fan Dimer (Regulator ) including cost of labour and materials and etc.,	443.00	Nos	1329.00
74	2.00	Supply and fixing of Battern Type Bakelite Holder for Lamp including cost of labour and materials and etc.,	22.00	Nos	44.00
75	2.00	Supply and fixing of 5A Shocket including cost of labour and materials and etc.,	31.00	Nos	62.00
76	1.00	Supply and fixing of 15A Shocket including cost of labour and materials and etc.,	71.00	Nos	71.00
77	45.00	Run off 2 x 1.5 Sqmm wire for open wiring including cost of labour and materials and etc.,	131.00	Rmt	5895.00
78	43.20	Run off 2 x 2.5 Sqmm wire for open wiring including cost of labour and materials and etc.,	150.00	Rmt	6480.00
79	13.40	Run off 4 x 4Sqmm wire for open wiring including cost of labour and materials and etc.	251.00	Rmt	3363.40
80	40.20	Run off 4 x 6 Sqmm wire for open wiring including cost of labour and materials and etc.,	325.00	Rmt	13065.00

Sl. No.	QTY	Description	Rate	Unit	Amount
81	1.00	Supply and fixing of 100A fush unit	1627.62	Each	1627.62
82	3.00	Supply and fixing of TW plank 450 x 375 x 20 mm	351.95	Each	1055.85
83	2.00	Supply and fixing of 63A ELCB	5976.30	Each	11952.60
84	1.80	Supply and fixing of Flush door shutter a.1000mm x 2100mm	3033.96	Sqm	5461.13
85	3.20	Supply and fixing of PVC door with frame including cost of labour and materials and etc., SR 2023-2024	3325.00	Sqm	10640.00
86	62.40	Supply and fixing of Ms Grills etc.	70.15	Kg	4377.36
87	0.20	Supply and fixing of 3mm thick Hylem sheet including cost of labour and materials and etc., SR-2023-2024	661.00	Sqm	132.20
88	62.40	Attending the repairs of Existing Aluminium windows for any size including cost of fixing Imax, Screws, Laburcharge, oiling and etc.,	319.30	Sqm	19924.32
89	6.30	Attending the repairs of Existing Doors for any size including cost of fixing Screws, Laburcharge, oiling and etc.,	329.52	Sqm	2075.98
90	2.00	Removing the trees & green grasses over the water tank slabs, side walls including cutting, removing, cleaning the terrace etc.	2643.00	Job	5286.00
91	6.00	Supply and fixing of Nagani trap including Labours and materials & etc.	160.00	Each	960.00
92	21.90	White wash with three coats of new ceiling surface using with slacked shell lime	49.68	Sqm	1087.99
93	10.20	Labour charges for realigning the existing pipe lines inluding labour for drilling holes, providing special clamps, TW plugs etc.	167.00	Rmt	1703.40
94	1.00	Labour charges for cleanigni the existing chamber including cost of tools and plants etc.,	1096.00	Job	1096.00
95	7.00	Supply and fixing of CI Gratings 100 mm dia including cost of materials and etc.,	89.00	No	623.00
96	1.00	Supply and fixing of 100W LED flood light including cost of fixing charge and etc.,	11337.00	No	11337.00
97	5.00	Supply and fixing of 600 mm x 600mm SFRC cover slab	2701.00	No	13505.00
98	48.60	Supply and fixing of SN-8 non pressure pvc pipe a.110mm dia	500.20	Rmt	24309.72
99	10.00	Pressure grouting by injecting plasticized expanded grout admixture including cost of Labours, tools and material etc.,	240.00	No	2400.00

Sl. No.	QTY	Description	Rate	Unit	Amount
100	1.00	Supply and fixing of 4way Three phase Horizontal Distribution Box with TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoing and separate 4 way provision for One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for One No. 4 pole ELCB / RCD and Outgoing 12Nos of 6 to 32A MCBs with label holder and provisions for taking up cable for size not less than 35 sq mm	14484.92	Each	14484.92
101	2.00	Supply and fixing of 1000 liters capacity HDPE water tank	10050.00	Each	20100.00
102	411.40	Supply and fixing of vetrified tiles	1563.51	Sqm	643228.01
103	396.00	Providing preconstructional antiterminate treatment	33.90	Sqm	13424.40
104	386.40	Roof treatment using polymer modified material applying one coat of polymer liquid and two coats of clear seal coatafter cleaning the enteries surface	510.00	Sqm	197064.00
		<b>Sub-Total - I</b>			<b>3634337.69</b>
105		GST @ 18%		LS	654180.78
		<b>Sub-Total - II</b>			<b>4288518.47</b>
106		Provision for External electrical Box		LS	60000.00
		<b>Sub-Total - III</b>			<b>4348518.47</b>
107		Labour welfare fund @1.00 %	-	LS	36343.38
108		Unforeseen items, contingencies and PS Supervision Charges @ 2.5%	-	LS	90858.44
109		Supervision Charges @ 7.5%	-	LS	272575.33
110		GST for Supervision Charges @ 18%		LS	49063.56
		<b>Grand Total</b>			<b>4797359.18</b>
			<b>SAY</b>	<b>Rs.</b>	<b>47,97,400/-</b>



**Chief Engineer**

