

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



Dated: 09.12.2023

Lr. No. CE/Plg/TNTBESC/2018

To

The Managing Director,

Tamil Nadu Textbook and Educational Services Corporation,

E.V.K Sampath Maligai,

No. 68, College Road,

Chennai – 600 006.

Sir,

Sub: TNPHC Ltd - HO - Plg - Renovation of 10th floor section office for Tamil Nadu Text book educational Services Corporation in EVK Sampath Maligai, DPI Campus at Nungambakkam in Chennai city - Estimate proposal - Furnished - Regarding.

Ref: The MD/TNTBESC, Chennai, Lr.No.8809/ / 2023, Dated: 29.09.2023.

As requested in the reference cited, the estimate proposal for Renovation of 10th floor section office for Tamil Nadu Text book educational Services Corporation in EVK Sampath Maligai, DPI Campus at Nungambakkam in Chennai city is prepared and enclosed herewith.

The estimate is prepared based on the PWD SR 2023-24 rates & Electrical data for the year 2023-24, local quotations & observed data and which works out to ₹ 44,90,000/- including GST @ 18%, Labour Welfare Fund at 1%, Contingencies @ 2.5%, Supervision charges @ 7.5% and overhead charges.

Hence, it is requested that necessary approval may be given and communicated to us for taking further necessary action in this regard.

pao la desató militar con eje il his agrifica di 1977 e para e de la con-

Encl: As above.

Chief Engineer

TAMIL NADU POLICE HOUSING CORPORATION LTD

Name of Work: Renovation of 10 th floor section office for Tamil Nadu Textbook and Educational Services Corporation in E.V.K. Sampath Maaligai, DPI campus at Nungambakkam in Chennai city.

Abstract						
S.No	Qty	Description	Rate	Per	Amount	
1	2.00	Dismantling the existing damaged EWC without damaging the existing structures including cost of all labour charges etc., complete	700.00	Nos	1400.00	
2	2.00	Removing the existing damaged urinals / wash basin without affecting the adjacent structures including cost of all labour charges etc., complete	594.00	Nos	1188.00	
3	158.50	Labour charges for removing the existing wooden / Aluminium partition wall including frames without affecting the adjacent structures including cost of required tools and plants etc., all complete and as directed by the departmental officers	370.00	Sqm	58645.00	
4	1.50	Brick work in Cement Mortar 1:6 (One of cement and six of sand) using Chamber burnt bricks of size 9"x4½X3" (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	8688.53	Cum	13032.80	
5	0.40	Providing and laying in position, Standardised Concrete Mix M-30 Grade in a accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for the all RCC items of works with minium cement content of 400 Kg/m3 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	11612.15	Cum	4644.86	

S.No	Qty	Description	Rate	Per	Amount
6	5.80	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 specifaction and as directed by the departmental officers.	1027.42	Sqm	5959.04
7	143.40	Plastering with CM 1:5 (One of cement and five of sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	273.56	Sqm	39228.50
8	54.20	cement and four of sand) 114mm thick for super structure in the following floors using chamber burnt bricks of size 9"x4½"x3" (23x11.4x7.5cm) 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	1085.42	Sqm	58829.76
9	3.10	Dismantling of brick wall for without affected the structure. PWD SR 2023-24	283.14	Cum	877.73
10		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 for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials /GM specials like Elbow, Tee reducers, Plug, union, bend, coupler, nipple/ GM gate valve, check and wheel valve etc., wherever required above the ground level including the cost of teflon tape, special clamps, nails, etc., fixing on wall to the proper gradient and alignment and redoing the chipped of masonry etc., as directed by the departmental officers.			
	10.50	c) 20mm dia ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials	248.48	Rmt	2609.04

lv (v. al^a

S.No	Qty	Description	Rate	Per	Amount
11		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 for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials /GM specials like Elbow, Tee reducers, Plug, union, bend, coupler, nipple/ GM gate valve, check and wheel valve etc., wherever required above the ground level including the cost of teflon tape, special clamps, nails, etc., fixing on wall to the proper gradient and alignment and redoing the chipped of masonry etc., as directed by the departmental officers.			
	30.00	a) 32mm dia Astm D schedule 40 threaded Pvc pipe with necessary PVC/GI specials	271.54	Rmt	8146.20
	45.00	b) 25mm dia Astm D schedule 40 threaded Pvc pipe with necessary PVC/GI specials	253.25	Rmt	11396.25
12	3.00	Supplying and fixing EWC superior variety (white) 500mm including cost and fixing of double flapped coloured plastic sheet cover PVC flushing etc., complete (EWC and plastic cover shall be got approved from the Executive Engineer before fixing)	7516.60	Nos	22549.80
13	3.00	Supplying and fixing of CP two Way bib cock with health faucet approved quality with ISI mark (Health facet shall be got approved from the E.E. before use.) including all accessories etc. complete complying with relevant standard specifications and as directed by the departmental officers.	2060.00	Nos	6180.00
		PWD SR 2023-24 Page No.53			
14	4.00 	Supplying and fixing of PVC Nahani Trap not less than 75mm 4 way / 2 way (Superior variety) having minimum of water seal of 50mm confirm to relevant I.S. specifications with its latest amendments including resting on the bed of brick jelly concrete 1:5:10 (One of cement, five of sand and ten of 40 mm gauge brick jelly) etc., complete as directed by the departmental officers (The PVC Nahani Trap should be got approved from the EE before use)	160.00	Nos	640.00

S.No	Qty	Description	Rate	Per	Amount
15	4.80	polyvinyl chloride (UPVC) Door Frame of size 50X47mm with a wall thickness of 5mm, made out extruded 5mm rigid UPVC foam sheet, mitred at two corners and joined with 2 nos of 150mm long brackets of 15X15mm M.S square tube. The two vertical and horizontal door profiles are to be reinforced with 19X19mm M.S Square tube of 19 gauge with primer coat. The door frame shall be fixed to the wall using 65/100mm long M.S screw through the frame by using PVC fasteners. A minimum of 4 nos screws to be provided for each vertical member & minimum 2 nos for horizontal member etc., and providing and fixing 30mm thick factory made door shutter with unplasticized polyvinyl chloride (UPVC) solid panel foam sheet, structured with M.S. tube of 19 gauge thickness and size 19X19mm for styles & 15mmX15mm for top & bottom rails. Paneling of 5mm thick UPVC One Side Printed Lamination single sheet to be fitted in the M.S. frame welded / sealed to the styles and rails covered with 5mm thick heat moulded UPVC"c" channel of 30x50mm and 5mm thick, 75mm uside LIDVC sheet for ten rail look rail and bottom rail.	3325.00	Sqm	15960.00
16	596.70	Painting the Old walls two coats with Emulsion paint, including clean removal of dirt and dust etc., complete including cost of necessary brushes, labour charges, putty etc., complying with relevant standard specification.	178.00	Sqm	106212.60
17	13.60	Painting the old iron work with one coat of approved make of "first class synthetic enamel paint" of approved quality and brand, the paint should be supplied by the contractor at his own cost. (The quality and the brand of the paint should be got approved by the Executive Engineer before use) complying with relevant standard specifications after thorough scrapping using emery sheet etc., all complete and as directed by the departmental officers.	97.00	Sqm	1319.20
18	101.50	Painting the new walls with two coats of approved best Emulsion paint in addition to one coat of approved primer paint over cement plastered wall surfaces including cost of cement paints, putty, brushes, etc., all complete as directed by the departmental officers (Paints and its shade should be got approved from the Executive Engineer before using)	248.97	Sqm	25270.46

S.No	Qty	1910	Description	Rate	Per	Amount
19	596.70	aproved make wall p cement plastered wal watering, curing, lab blade etc., complete officers. (The quality	upplying and applying of Full putty one coat with proved make wall putty for smooth finishing the new ement plastered walls including cost of putty, brushes, vatering, curing, labour charges for applying putty, lade etc., complete as directed by the departmental fficers. (The quality and brand should be got approved com the EE before use.)		Sqm	61579.44
20	3.00	x 450mm of best approv	nite Padestal wash hand basin of size 560 ed quality with ISI mark etc. all as directed by the departmental officers.	3835.67	Nos	11507.01
21	3.00	of best approved qua	nm dia half turn CP long body tap lity with ISI mark etc. all complete ected by the departmental officers.	503.00	Nos	1509.00
22	6.00	of best approved qua	nm dia half turn CP short body tap lity with ISI mark etc. all complete ected by the departmental officers.	455.00	Nos	2730.00
23	37.50	PVC SWR pipe (Soi a. 110 mm dia.	l line) with ISI mark - type 'B'.	758.37	Rmt	28438.88
	37.50	b. 75 mm dia.SWR 1	pipe I man i man	641.07	Rmt	24040.13
24	27.00		& Concealing the 50mm dia PVC mark type - 'B' with relevant	114.45	Rmt	3090.15
25	3.00	780mm with necessar	Special Type Mirror of size 1000 x ary hard board backing including position etc., complete and as artmental officers.	2575.00	Nos	7725.00
		PWD SR 2023-24 F	Page No.56			
26	10.30	without corrugated of works (Best approved be got approved from using) over cement of sand) 20mm thick cutting the tiles to the pointing the joints wetc., all complete an officers	g of colour Ceramic Tiles Anti skid design for flooring and other similar ed quality, colour and shade shall in the Executive Engineer before morter 1:3 (One of cement and three including fixing in position, he required size wherever necessary with white cement, curing, finishing d as directed by the departmental	1284.03	Sqm	13225.51
27	41.90	approved quality an from the Executive plastering in CM 1:: 10mm thick includitiles to the required the joints with color	g of Colour glazed tiles (Best d the same shall be got approved Engineer before using) over cement 2 (One of cement and two of sand) ng fixing in position, cutting the size wherever necessary, pointing ared cement, curing, finishing etc., directed by the departmental	1466.38	Sqm	61441.32

S.No	Qty	Description	Rate	Per	Amount
28	454.30	Supplying and fixing of colour stain free Nano polish Vitrified Tiles of size 600x600x8mm for flooring and other similar works (Best approved quality, colour and shade and the same shall be got approved from the Executive Engineer before use) in cement mortar 1:3 (one of cement and two of sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary pointing the joints with grout (Tile joint filler), curing, finishing etc., all complete and as directed by the departmental officers.	1564.17	Sqm	710602.43
29	4.80	Supplying and fixing of Wood Plastic Composite door of required size with good and durable quality, the WPC door should be waterproof, swelling proof, bend and warp resistant including cost of materials, fixing, labour charges and necessary fitting like aldrop, tower bolt and hings etc, all complete and as directed by the departmental officers.	2691.00	Sqm	12916.80
		Quotation			
30	100.70	Providing Wall Panelling using one side prelaminated sheet 1 mm thick with following specification. The frame using aluminium tubular section of size 50mm x 25mm x 2mm thick fixing horizontally and vertically in position with wall at interval of 0.60m in both diretions, fixing water proof plywood of 12mm thick over the aluminium frame work with necessary screws. one side prelaminated sheet of 1mm thick will be fixed over the plywood using fevical and the rate inclusive of conveyance to site and labour charges and as directed by the Departmental Officers. The design pattern, water proof plywood, prelaminated sheet and other materials to be used shall be got approved by the Executive Engineer concerned before use on work etc., complete.	4106.61	Sqm	413535.63

S.No	Qty	Description	Rate	Per	Amount
31	156.70	Providing Wall Panelling using both side prelaminated sheet 1 mm thick with following specification. The frame using aluminium tubular section of size 50mm x 25mm x 2mm thick fixing horizontally and vertically in position with wall at interval of 0.60m in both diretions, fixing water proof plywood of 12mm thick over the aluminium frame work with necessary screws. Two side prelaminated sheet of 1mm thick will be fixed over the plywood using fevical and the rate inclusive of conveyance to site and labour charges and as directed by the Departmental Officers. The design pattern, water proof plywood, prelaminated sheet and other materials to be used shall be got approved by the Executive Engineer concerned before use on work etc., complete.	6244.90	Sqm	978575.83
32		Supply and installation of Anutone (or) Euivalent Brand of Acoustical False Ceiling of subtex nubby, square edge, glass fibre core fully encapsulated ceiling tile of size 595 x 595 x 15mm having volume density 270 Kgs / m3, weight 1.8 / 2.4 / 3 kg / m2 which is suspended by using 0.3mm thick skelet trelis T15 metal grid system Skelet trelis T15 metal grid system of 600 x 600mm module includes skelet WA15 W30 wall angle with unequal flanges of 15 / 19mm, length 3000mm, fixed along the perimeter of walls with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the skelet MT15 W36 MainT with flange width 15mm, height 32mm and length 3600mm, from the soffit slab with help of soffit cleat and wire rod with leveling spring clip at 1200mm centres. Skelet CT15 W12 CrossT with flange width 15mm, height 26mm and length 1200mm is interlocked into the pre-cut slots in the Main T15 at 600mm centers in the perpendicular direction to the Main T15. Finally, the skelet CT15W06 CrossT with flange width 15mm, height 26mm and length 600mm are interlocked into the precut slots in the CT15W12 CrossT in direction parallel to the Main	968.00	Sqm	223317.60

S.No	Qty	Description	Rate	Per	Amount
		T15 to result in 600 x 600mm module. The subtex nubby square edge of size 595 x 595 x 15mm shall be placed into the grid size of 600 x 600mm. Ensure arrow marks behind the tiles are oriented in one direction to achieve uniform shade. The systems to achieve noise reduction coefficient not less than 0.9 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc. complying to standard specication.			
		PWD SR 2023-24 page No.59			
33	36.00	Supplying and fixing of 2' x 2' 24W LED Square type light fittings for ceiling Higher end	3864.00	Nos	139104.00
34	6.00	Supplying and fixing of Square 18 w LED light fittings for ceiling Higher end	1684.00	Nos	10104.00
35	70.00	Run of 2 Wires of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990. (Open wiring)	150.00	Rmt	10500.00
36	3.00	Supplying and fixing of 225 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 materials, 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.	2179.00	Nos	6537.00
37	16.90	Plastering with cm 1:3 (one of cement and three of sand) 12 mm thick mixed with water proofing compound (CICO) at the rate of 2 kg / 10 sq.m including curing etc., all complete complying with relevant standard specification.	298.33	Sqm	5041.78
38	3.10	Poviding concrete broken brick jelly 20mm gauge in pure burnt lime stone slaked and screened (No Sand) in toilet sunken portion 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.	3934.95	Cum	12198.35

riket i

S.No	Qty	Description	Rate	Per	Amount
39	0.04	Supplying, fabricating and placing in position of Mild steel Grills / Ribbed Tor Steels (without cement slurry) of all diameters for reinforcement for all floors including cost of binding wire insulated with PVC, bending tying etc., all complete and as directed by the departmental officers.	92055.30	МТ	3682.21
40	0.04	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 Quality and brand of anticorrosive chemaical should be got approved by the EE before use).	4865.50	MT	194.62
41	47.25	Supplying and fixing of Wood Plastic Composite door frame with good and durable quality, the WPC door should be waterproof, swelling proof, bend and warp resistant including cost of materials, fixing, labour charges and necessary fitting like aldrop, tower bolt and hings etc, all complete and as directed by the departmental officers.	7p 311.70 Rmt	14727.83	
		Quotation			
42		Flush door shutter (Single leaf) including 2 sides of Prelaminated shet including all furniture fittings etc			81
	13.40	a. size 1200x2100mm	2934.04	Sqm	39316.14
43	1.00	Supply and erection of 250Amps capacity Floor mounting panel board (cubical type) with bus bar chamber made up of 16 SWG MS sheet for 3 phase 4 wire system with 25mmx6mm tin coated copper flat for phases and 25mmx3mm tin coated copper flat for neutral: cable chamber, switch chamber and with 2 nos.25mmx3mm tinned copper flat for the earth bus on the rear side of the panel board: necessary interconnections by copper flat of suitable sizes: suitable PVC colour sleeves for the interconnecting copper flats / rigid copper wive: earth connections to all switches / bus bar by copper flats of suitable sizes from the earth bus: hylam sheet separation between bus bar and switches: 1 set Led pilot lamps with switches, fuse units, suitable angle iron frame size of 40mmx40mmx6mm with painting in two coats of suitable colour over one coat of red oxide and with numbering; superscription of cables sizes, capacity of switches of switches etc and incorporation the SER No.48 2023-24	181209.00	No	181209.00

S.No	Qty	Description	Rate	Per	Amount
44	1.00	Removing existing damaged light, fan and wiring without affecting the adjustment structure, including the cost of required tools and plants etc, all complete and as directed by the departmental officers	4900.00	Job	4900.00
		Quotation			
45	20.00	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	Nos	12020.00
46	15.00	steam pipe of best approved quality conforming to IS specification as a down rod to fix the fan for the required additional length etc., complete as per the relevent standard specification and as directed by the departmental Officers.	130.50	Rmt	1957.50
47	180.00	Run off mains with 2 wires of 1.5 Sqmm copper PVC insulated unsheathed single core 1.1KV cable wire contuinuous earth by means of 1.5 Sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable in fully concealed 19 mm / 20 mm dia rigid PVC open conduit pipe heavy duty with ISI mark including cost of all materials, specials, etc., all complete. (Open Wiring)	131.00	Rmt	23580.00
48	4.00	Supplying and fixing 1 No of 450 x 375 x 20 m thick TW plank well varnished with 3 No 30 amps 500 volts fuse unit and 1 No of copper earth plate of suitable size bolts and nuta on walls for EB service connections including cost of all materials, etc., all complete.	1348.00	Nos	5392.00
49		Supply and laying of XLPE, aluminium conductor 1.1KV grade armoured ,MV cable of the following sizes in the existing cable trays / trenches as required generally confirming to IS: 1554/Part - I / 1970. The cables are to be laid above GL			
v	20.00	a. 3 1/2 x 120 sqmm aluminium cable	1054.00	Rmt	21080.00
10 10 250		Electrical SR 2023-24 SD 209 Supply and fixing of brass cable gland for XLPE armoured LTUG cable for following sizes with earth connection.	ore and		
+	2.00	a. 3 1/2 x 120 sqmm aluminium cable gland	621.00	Nos	1242.00
		Electrical SR 2023-24 SD 191	8	-	
51		Supply and providing cable end termination of following sizes of XLPE armoured LTUG Aluminium cable with necessary aluminium cable sockets by crimping etc. with electrical connection complete.			
	2.00	3 1/2 x 120 sqmm aluminium cable termination	532.00	Nos	1064.00
		Electrical SR 2023-24 SD 240			

S.No	Qty	Description	Rate Per		Amount
52		GST 18%			617791.39
			Sub To	otal	4049965.79
53		Labour welfare fund @ 1%			34321.74
54		Contigencies and petty supervision charges @ 2.5%	-		101249.14
55		Supervision charges @7.5%			257413.08
56	- 4	GST @ 18% for Supervision Charges	3		46334.35
			Grand	total	4489284.10
v			SA	Y	4490000.00

fy ,s.≠,

Charles .

317

Sept.

5

Chief Engineer
Tamilnadu Police Housing Corporation Ltd.
Chennai - 600 010

			2.5
tone board			

transport training



