

**TAMIL NADU POLICE HOUSING CORPORATION LIMITED**

**No: 132 E.V.R. Salai, Kilpauk, Chennai-10.**

**Memo No: CE/DB/85/2021**

**Date: 15/02.2021**

**Sub: TNPHC -HO/DB - South Circle - Madurai Division - Construction of Jetty Police Station Building with development works at Rameswaram in Ramanathapuram District under Announcement made by the Hon'ble Chief Minister of Tamil Nadu - Estimate Technically Sanctioned - Intimation - Regarding.**

**Ref: 1.SE's Lr.No. DB/SC/0028/2021, Dt.15.01.2021.**

**2. EE/plg Note Dt.15.02.2021**

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The attention of the Superintending Engineer/South Circle is drawn to the reference cited and it is informed that the Chairman and Managing Director/TNPHC has accorded approval for an additional fund of **₹11.14 Lakhs** for the work of Construction of Jetty Police Station Building with development works at **Rameswaram in Ramanathapuram** District under Announcement made by the Hon'ble Chief Minister of Tamil Nadu from the savings of **₹ 11.14 Lakhs** available in the following three works as suggested by the Superintending Engineer /South Circle.

Name of work	FS value	Probable completion	Savings
Rs. in lakhs			
Construction of Q branch CID Office building at Sivagangai in Sivagangai District	67.00	58.69	8.31
Construction of AWPS building at Sivagangai in Sivagangai District	58.56	57.50	1.06
Construction of RPS Building at Nainarkovil in Ramanathapuram	69.18	67.41	1.77
<b>Total savings available</b>			<b>11.14</b>

**GENERAL ABSTRACT**

**Name of Work: Construction of Jetty Police Station building with development works at Rameswaram in Ramanathapuram District under Announcement made by the Hon'ble Chief Minister of Tamil Nadu**

Sl.No.	Qty	Description	Rate	Unit	Amount
<b>BUILDING WORKS</b>			<b>AS PER PWD SR 2020-2021</b>		
1	1.00	Main building	7466397.08		7466397.08
<b>SUB - TOTAL - I Rs.</b>					<b>7466397.08</b>
2		Septic tank	242742.78		242742.78
3		R.C.C. Sump	178223.79		178223.79
4		Plinth protection	167919.53		167919.53
5		Sullage drain	67050.61		67050.61
6		Culvert	165910.20		165910.20
7		OHT	107072.40		107072.40
<b>SUB - TOTAL - II Rs.</b>			<b>83.96</b>		<b>8395316.39</b>
8		GST at 12.0% ( GST at 6% + CGST 6% )			1007437.97
<b>SUB - TOTAL - III Rs.</b>					<b>9402754.36</b>
9		Provision for Soil Investigation	LS		40000.00
<b>SUB - TOTAL - IV Rs.</b>					<b>9442754.36</b>
10		Labour Welfare fund @ 1.0%	As pr PWD Norms		94427.54
11		unforeseen, Contingencies & PS charges @2.5%	As pr PWD Norms		236611.52
12		Supervision Charges @ 7.5%			708206.58
<b>SUB - TOTAL - V Rs.</b>					<b>10482000.00</b>
13		Advertisement charges	LS		50000.00
14		Provision for EB Deposits	LS		50000.00
15		Provision for planning permission & payment to other department	LS		50000.00
16		Structural Design / Consultancy charges	LS		48000.00
<b>GRAND TOTAL Rs.</b>					<b>10680000.00</b>

*J.D.O.*  
02/02/2021

*J.E.*  
3/2/2021

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3/2/21

From: HO  
15/2/21 @ 5.38 PM

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**TAMIL NADU POLICE HOUSING CORPORATION LTD**

**ABSTRACT**

Name of Work: Construction of Jetty Police Station building with development works at Rameswaram in Ramanathapuram District under Announcement made by the Hon'ble Chief Minister of Tamil Nadu

Sl. No.	Qty.	Description	Rate using [C.S Sand]	Unit	Amount
1.1		Earth work excavation in all soils (including refilling)			
	255.700 ✓	a. 0 to 2 mt. P-2	222.21	Cum.	56819.10 ✓
	46.500 ✓	b. 2 to 3 mt.	230.31	Cum.	10709.42 ✓
1.5		Earth work excavation for Open Foundation (excluding refilling)			
	74.200 ✓	a. 0 to 2 mt.	105.00	Cum.	7791.00 ✓
	4.500 ✓	b. 2 to 3 mt. P-3	113.10	Cum.	508.95 ✓
1.6		Earth work excavation for Open foundation for drains (excluding refilling) width upto 1.25 m			
	3.500 ✓	a. 0 to 2 mt. P-51	157.50	Cum.	551.25 ✓
2.1.3	29.500 ✓	Filling C.S. sand P-3	2139.24	Cum.	63107.58 ✓
2.2.1	22.900 ✓	Sand Gravel Mix P-3	2359.00	Cum.	54021.10 ✓
2.6	6.000 ✓	Supply and filling of 40 mm HBSJ P-3	1976.13	Cum.	11856.78 ✓
2.7	3.000 ✓	Supply and filling of 20 mm HBSJ P-4	2370.13	Cum.	7110.39 ✓
3.1.1	25.300 ✓	C.C.1:5:10 for Foundation & Basement P-4	5492.74	Cum.	138966.32 ✓
3.2.1	10.000 ✓	P.C.C. 1:2:4 for Foundation & Basement and other similar works P-4	6974.86	Cum.	69748.60 ✓
3.3.1	0.200 ✓	P.C.C. 1:8:16 using 20 mm broken brick jelly P-5	4439.61	Cum.	887.92 ✓
12.1.1		Brick partition in C.M. 1:4 using country bricks of size 22 x11x5cm 50 mm thick			
	7.400 ✓	a. In Ground Floor P-7	397.26	Sqm.	2939.72 ✓
	9.000 ✓	b. In First Floor	404.72	Sqm.	3642.48 ✓
13.1	42.000 ✓	Filling with Excavated Earth P-8	36.63	Cum.	1538.46 ✓
21.2		Teak wood Wrought & Put up			
	0.095 ✓	a. T.W. over 2 m & below 3 m P-8	124443.75	Cum.	11822.16 ✓
	0.242 ✓	b. T.W. below 2 m length	112243.75	Cum.	27162.99 ✓

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Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
23.3	12 000 ✓	S&F of Magnetic door catches	52.00	Each	624.00
25.0	66 000 ✓	M.S Holdfast	9.60	Each	633.60
26.0	11.300 ✓	Flooring in C.C. 1:5:10	5492.74	Cum.	62067.96
28.0	70.100 ✓	Floor plastering in C.M. 1:4, 20 mm tk.	502.84	Sqm.	35249.08
30.0	31.000 ✓	Ellis pattern	446.29	Sqm.	13834.99
31.0	2.500 ✓	Weathering course	3873.01	Cum.	9682.53
33.0	1500.400 ✓	Plastering in C.M. 1:5, 12 mm tk.	248.67	Sqm.	373104.47
34.0	102.500 ✓	Plastering in C.M. 1:4, 12 mm tk.	254.52	Sqm.	26088.30
35.0	253.400 ✓	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	281.91	Sqm.	71435.99
36.0		Cement mortar Border in C.M. 1:5, 12 mm tk.			
	80.100 ✓	a. 150 mm wide	78.44	Rmt	6283.04
	257.700 ✓	b. 75 mm wide	50.95	Rmt	13129.82
	103.300 ✓	c. 50 mm wide	37.90	Rmt	3915.07
37.1	249.900 ✓	White washing 3 coats (slaked)	43.63	Sqm.	10903.14
39.0	1850.000 ✓	M.s Grills	54.50	Kg.	100825.00
40.0	49.000 ✓	Painting - New "wood work"	226.80	Sqm.	11113.20
41.0	126.200 ✓	Painting - New "iron work"	134.26	Sqm.	16943.61
46.0	6.400 ✓	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	371.20
47.0	4.000 ✓	S & F Alu Towel rail 75 cm long	95.00	Each	380.00
48.0	8.000 ✓	S & F 5 pin Coat stand	55.00	Each	440.00
49.0	44.000 ✓	S & F chromium plated 8 guage Picture Hook	1.50	Each	66.00
50.3	5.000 ✓	Supply and planting avenue trees	447.10	Each	2235.50
50.4	5.000 ✓	Providing Tree guard	840.06	Each	4200.30
50.5	1.000 ✓	Supplying, Fabricating and erection of M.S Scheme Name board	16106.74	Each	16106.74
53.3	5.000 ✓	C.I. Steps (5 kg)	30.00	Each	150.00

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Sl. No.	Qty.	Description	Rate using [C.S Sand]	Unit	Amount
59.5.2	9.000	Gully Trap using Kiln burnt country bricks 22 x 11 x 7 cm.	1945.54	Each	17509.86
60.9	11.000	PVC Nahani trap (4way/2way)	136.70	Each	1503.70
		<b>Electrical arrangements</b>			
72.0	15.000	Box type Fibre Fan hook	33.90	Each	508.50
73.1	2.000	6 way - D.B.	4016.00	Each	8032.00
74.0	15.000	Charges for fixing of "Fan"	467.00	Each	7005.00
76.0	15.000	8 SWG wire	21.00	Rmt	315.00
77.3	9.000	S&F of TV/Telephone line Socket	76.00	Each	684.00
77.4	55.000	S&F of 20mm dia PVC pipe for TV/Telephone line	75.99	Rmt	4179.45
78.0	1.000	Earthing Station IS3043 (Type I)	2588.00	Each	2588.00
81.0	0.700	Meter cupboard	2412.83	Sqm	1688.98
86.0	123.400	Anti termite treatment	34.00	Sqm.	4195.60
238.0	14.030	Anticorrosive treatment for steel grills	4589.88	MT	64396.02
		<b>ANNEXURE</b>			
14.I.		Precast Cupboard slab 20 mm tk.using standardised concrete mix M30 (annexure)			
	2.300	a. In Ground floor	1451.80	Sqm.	3339.14
14.II.		Precast cupboard slab 40 mm tk.using standardised concrete mix M30 (annexure)			
	4.500	a. In Foundation & basement	1618.76	Sqm.	7284.42
4.II.1		Standardised concrete Mix M30 Grade			
	60.500	a. In Foundation and basement	8941.02	Cum	540931.71
8.5.1	31.500	b. in Ground Floor	9053.40	Cum	285182.10
	27.400	c. In First Floor	9274.65	Cum	254125.41
	8.200	d. In Second Floor	9495.90	Cum	77866.38
6.7.1	52.800	Brick work in C.M. 1:5 using Fly Ash bricks of size 23 x 11 x 7 cm in Foundation and Basement	6993.57	Cum.	369260.50

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Sl. No.	Qty.	Description	Rate using [C.S Sand]	Unit	Amount
9.7.1		Brick work in C.M. 1:6 using Fly Ash bricks of size 23 x 11 x 7 cm			
	38.800 ✓	a. In Ground Floor	6997.96	Cum.	271520.85
	46.900 ✓	b. In First Floor	7147.09	Cum.	335198.52
	9.200 ✓	c. In Second Floor	7296.22	Cum.	67125.22
10.7.1		Brick partition work in C.M. 1:4 using Fly Ash bricks of size 23 x 11 x 7 cm 110 mm tk (B.P.)			
	80.800 ✓	b. In Ground Floor	885.04	Sqm	71511.23
	73.200 ✓	c. In First Floor	901.44	Sqm	65985.41
	22.000 ✓	d. In Second Floor	917.84	Sqm	20192.48
11.7.1		Brick work in C.M. 1:4 using Fly Ash bricks of size 23 x 11 x 7 cm 70 mm tk (B.P.)			
	7.200 ✓	a. In Ground Floor	598.16	Sqm	4306.75
	21.800 ✓	b. In First Floor	608.60	Sqm	13267.48
	48.100 ✓	Plastering with CM 1:3, 12mm with WPC	272.64	Sqm	13113.98
	148.500 ✓	Supplying and filling with gravel	1085.65	Cum	161219.03
18.1		Formwork using M.S. Sheet			
	187.600 ✓	a. For Column footings, plinth beam, Grade beam, Raftbeam, Raft slab etc.,	810.60	Sqm	152068.56
	646.000 ✓	b. Plain surfaces such as Roof slab, floorslab, Beams, lintels, lofts, sill slab, staircase, portico slab and other similar works	907.38	Sqm	586154.56
	177.000 ✓	c. For Square and rectangular columns and small quantities	1088.83	Sqm	192722.91
	58.600 ✓	d. Vertical wall	998.10	Sqm	58488.66
	20.400 ✓	e. Circular column	2177.66	Sqm	44424.26
	7.400 ✓	Curved Surface	1361.04	Sqm	10071.70
21.6.1		R.C.C. Door frames of size 100 x 75mm with one edge grooves size 't' x 20 mm using M30 grade (with out vibrating charges)			
	3.000 ✓	a. 900 x 2100 mm	2667.28	Each	8001.84
	6.000 ✓	c. 1000 x 2100 mm	2688.39	Each	16130.34

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Sl. No.	Qty.	Description	Rate using [C.S Sand]	Unit	Amount
22.3.3	41.100	T.W. frame & TW styles & rails with BWR double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer. P-24	4140.52	Sqm	170175.37
		TW panelled door shutter with brass fittings.			
99.1	1.900	TW Single leaf door shutter of size 1000X2100mm P-51	6120.78	Sqm	11629.48
99	3.500	TW double leaves shutter of size 1800 x 2100mm P-25	5649.92	Sqm	19774.72
23.1.1	11.100	TW styles & rails with 9mm thick BWR single leaf shutters with brass screws size of 1000 x 2100 mm	3391.62	Sqm	37646.98
	5.000	TW styles & rails with 9mm thick BWR single leaf shutters with brass screws size of 900 x 2100 mm P-26	3504.43	Sqm	17522.15
21.5.2	11.500	Supply and Fixing Solid UPVC door Shutter with frame	2828.00	Sqm	32522.00
23.2.2	3.500	Supply & fixing 5.5mm thick plain sheet glass with aluminium beddings Teak wood P-54	<del>876.40</del> 898.60	Sqm	<del>3067.40</del> 3145.10
15.1.1		Cuddappa slab 20 mm tk.for C/B slab.			
	9.400	a. Ground floor P-27	539.13	Sqm.	5067.82
	25.400	b. In First floor	543.56	Sqm.	13806.42
15.2.1		Cuddappa slab 40 mm tk.for C/B slab.			
	1.000	a. In Ground floor	572.38	Sqm.	572.38
	12.400	b. In First floor P-28	581.23	Sqm.	7207.25
29.8.1	103.500	Glazed tiles using Grout (Tile Joint Filler), C.M 1:2, 10mm tk	1315.68	Sqm	136170.81
29.9.1	19.900	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler).	1157.40	Sqm	23032.26
38.6	910.300	One coat white cement for new walls and other similar works.	59.50	Sqm	54162.85
52.4.1	36.000	20mm dia PVC water supply ASTM pipe (fully consealed in walls) P-29	222.21	Rmt	7999.56
53.4	3.000	S&F of C.I Manhole cover 60 x 60 cm (50kg weight)	1828.00	Each	5484.00
53.5	6.000	Wash Hand Basin of size 550 x 400 mm (White without Pedestal) P-30	3248.83	Each	19492.98

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Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
58.3		PVC SWR pipe (Soil line) with ISI mark - type 'B'			
	52.500	a. 110 mm dia	689.08	Rmt	36176.70
	36.500	b. 75 mm dia.	576.28	Rmt	21034.22
58.4	6.000	Supplying, Laying & Concealing the 50mm dia PVC (SWR) pipe with ISI mark type - 'B' with relevant specials.	81.20	Rmt	487.20
58.5	1.000	PVC(SWR) pipe with ISI mark - type 'A' for Ventilating shaft with cowl	441.70	Each	441.70
	15.000	Supply and delivery of 48" (1200 mm) Fan with ISI mark with Eletronic Dimmer	1284.00	Each	19260.00
	60.000	Run of 2 Wires of 4 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	219.00	Rmt	13140.00
	175.000	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.	187.00	Rmt	32725.00
	30.000	4 x 4 Sq mm copper PVC insulated unsheathed single core cable for 3 phase EB service connection	221.00	Rmt	6630.00
112.1	5.000	S & F of Exsaust Fan 225mm dia	1768.00	Each	8840.00
44.21		Rain water harvesting using defunct borewell and providing perforated cover slab			
	4.000	a). Providing pit (M30)	2348.71	Each	9394.84
	12.000	b) Augering 30cm dia	521.75	Rmt	6261.00
344.2	6.000	S&F of Bevelled edge mirror 500 x 400 x 5.5mm	375.70	Each	2254.20
238.1	1.850	Anticorrosive treatment for window grills	2797.13	MT	5174.69
71.2	1.000	Supplying and fixing of 32 AMPS Triple pole main switch	2007.00	Each	2007.00
80.1	2.000	450 x 375 x 20 mm thick TW plank	1170.00	Each	2340.00
	2.000	3 Nos.of 32Amps - Fuse Unit	725.00	Each	1450.00
87.1	2.000	Supplying and delivery of Three phase ELCB/RCCB	2870.00	Each	5740.00
	6.000	Supply of G.I pipe 40mm dia 'B' Class	165.00	Rmt	990.00

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Sl. No.	Qty.	Description	Rate using [C.S Sand]	Unit	Amount
56.3.2	3.000 ✓	S & F of Indian Water closet white glazed (Oriya type) of size 580 x 440mm with PVC SWR grade 'P' or 'S' trap - in G.F. P-42	3258.05	Each	9774.15
56.4.2	1.000 ✓	S & F of Indian Water closet white glazed (Oriya type) of size 580 x 440mm with PVC SWR grade 'P' or 'S' trap- Other than G.F. P-50	5184.68	Each	5184.68
57.2	4.000 ✓	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP P-42	6875.18	Each	27500.72
64.1.1		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990. (PVC Box , Fire Retarded Box) For Coastal only			
	39.000 ✓	a. Light point with ceiling rose P-43	1343.00	Each	52377.00
	23.000 ✓	b. Light point without ceiling rose	1346.00	Each	30958.00
	2.000 ✓	c. Calling bell point with Buzzer/Calling bell P-44	1376.00	Each	2752.00
65.1.1	15.000 ✓	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for Fan point.(PVC Electrical Box ) P-45	1394.00	Each	20910.00
66.1.1	3.000 ✓	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for Staircase Light Point.(PVC Electrical Box ) P-45	2509.00	Each	7527.00
67.1.1	15.000 ✓	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for 5 amps 5 pin plug socket point @ Switch Board itself. P-46	688.00	Each	10320.00
68.2.1	12.000 ✓	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for 5 amps 5 pin plug socket point @ Convenient Places.(PVC Electrical Box )	937.00	Each	11244.00
69.1	5.000 ✓	Supplying and fixing of 15 Amps 3 pin flush type plug using (PVC Box , Fire Retarded Box) P-47	132.00	Each	660.00
43.1.1	15.675 ✓	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.(BINDING WIRE insulated with PVC)	74895.60	MT	1173988.53
44.6.1	57.000 ✓	PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe(UPVC SPECIAL CLAMP ) P-48	337.82	Rmt	19255.74

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Sl. No.	Qty.	Description	Rate using [C.S Sand]	Unit	Amount
		Supply, laying & jointing the following pipes as per ASTM D 1785 of schedule 40 with UPVC Specials			
52.2	30.000 ✓	a. 32 mm dia	241.76	Rmt	7252.80
	89.000 ✓	b. 25 mm dia	225.00	Rmt	20025.00
45.1	583.000 ✓	Providing Colour Marble chips of size 10mm and below using 70.20Kgs of cement and 15 cum of Colour Marble chips for every 10 sqm over the existing plastered surface ( For coastal area)	357.35	Sqm	208335.00
87.2	2.000 ✓	Supply and fixing of 20 Amps DP plug and socket in sheet enclosure with 32 A DP MCB in Flush with wall with earth connection ( For AC Plug ) Legrand ( MDS ) / Hager ( L & T ) Equivalent/ Superior variety	1830.00	Each	3660.00
100	23.000 ✓	Supply and fixing of 9 watts LED bulb (qtn)	81.00	Each	1863.00
102	25.000 ✓	Supply and fixing of 4' 18 watts LED Tube Light	635.00	Each	15875.00
103	10.000 ✓	Supply and fixing of Bulk Head fitting suitable for 12W LED Bulb	462.00	Each	4620.00
101	6.000 ✓	Supply, fixing of 25W LED street light etc.,	2991.00	Each	17946.00
104	10.000 ✓	Supply and fixing of 12 watts LED bulb (qtn)	170.00	Each	1700.00
		Total			8440210.13
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