

# TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Construction of New Fire and Rescue Service Station cum Garrage Building at Thirukattupalli in Thanjavur District

## Rough Cost Estimate

Garage = 159.21  $\times$  m<sup>2</sup>

Office Area = 159.50  $\times$  m<sup>2</sup>

Verandah & Portico (Half area) = 11.30  $\times$  m<sup>2</sup>

Total = 330.01  $\times$  m<sup>2</sup>

First floor = 172.32  $\times$  m<sup>2</sup>

Head room = 15.12  $\times$  m<sup>2</sup> (Half area)

Rate adopted for the Year 2020-2021.

Sl.No.	Description	Plinth Area (m <sup>2</sup> )	Rate Rs.	Per	Amount Rs.
1	Foundation (pile)	341.31 $\times$	8925.00 $\times$	m <sup>2</sup>	3046191.75
2	For Additional basement height 1.50m	341.31 $\times$	2250.00 $\times$	m <sup>2</sup>	767947.50
3	<b>Super Structure</b>				0.00
	a) Super Structure for Office, store, rest room, centry room & toilet etc., in Ground floor	159.50 $\times$	9035.00 $\times$	m <sup>2</sup>	1441082.50
	b) Super Structure for Garage in Ground floor (65% of Superstructure cost of non residential area)	159.21 $\times$	5872.75 $\times$	m <sup>2</sup>	935000.53
	c) First floor	172.32 $\times$	9069.00 $\times$	m <sup>2</sup>	1562770.08
	d) Portico Verandah (65% of plinth area of non -residential cost)	22.60 $\times$	5872.75 $\times$	m <sup>2</sup>	132724.15
	e) Head room (65% of plinth area of non -residential cost)	30.24 $\times$	5916.95 $\times$	m <sup>2</sup>	178928.57
4	Provision for Additional Roof height- 2.2m (2.2*560) (3.3m-5.5m)	159.21 $\times$	1232.00 $\times$	m <sup>2</sup>	196146.72
5	Roof Finishing	341.31 $\times$	1530.00 $\times$	m <sup>2</sup>	522204.30
6	Antitermite treatment	341.31 $\times$	115.00 $\times$	m <sup>2</sup>	39250.65
7	Vitrified tile flooring (80% of Plinth Area)	265.46 $\times$	1520.00 $\times$	m <sup>2</sup>	403499.20
8	Cement painting / OBD painting (inner 50% of Plinth Area)	251.170 $\times$	540.00 $\times$	m <sup>2</sup>	135631.80
9	Plastic Emulsion paint (50% of Plinth Area outer)	251.170 $\times$	825.00 $\times$	m <sup>2</sup>	207215.25
10	a) Internal Water Supply arrangements	491.03 $\times$	485.00 $\times$	m <sup>2</sup>	238149.55
	b) Internal Sanitary arrangements	491.03 $\times$	370.00 $\times$	m <sup>2</sup>	181681.10
	c) Internal Electrical arrangements	491.03 $\times$	845.00 $\times$	m <sup>2</sup>	414920.35
11	Extra provision for TW door shutter, cupboard shutter, bathroom fittings, kitchen arrangements (extra power plug)	491.03 $\times$	1570.00 $\times$	m <sup>2</sup>	770917.10
12	Add Extra provision for LED Lightings /Power plugs	491.03 $\times$	180.00 $\times$	m <sup>2</sup>	88385.40
	<b>Sub - Total - I</b>				<b>11262646.50</b>
13	a) External Water Supply arrangements (GF+FF)	491.03 $\times$	745.00 $\times$	m <sup>2</sup>	365817.35
	b) External Sanitary arrangements (GF+FF)	491.03 $\times$	230.00 $\times$	m <sup>2</sup>	112936.90
	c) External Electrical arrangements (GF+FF)	491.03 $\times$	645.00 $\times$	m <sup>2</sup>	316714.35
14	Pavement platform all-round the building (1.20m width)	82.25 $\times$	1,060.00 $\times$	Rmt	87185.00
15	Rainwater harvesting	2.00 $\times$	14345.00 $\times$	Each	28690.00
16	Provision for Approach road	567.30 $\times$	735.00 $\times$	m <sup>2</sup>	416965.50

17	Genset 100 KVA capacity with AMF panel	1.00	1011000.00	Each	1011000.00
18	Erection, Testing, Commissioning, power mains and charges for CEIG approval	1.00	193300.00	Each	193300.00
19	Provision for Gravel filling lowlying area & Basement filling	As per detailed estimate enclosed			1050000.00
20	Provision for Retaining wall	As per detailed estimate enclosed			1500000.00
21	Provision for Borewell, Sump, Pump room & pumpset arrangements	L.S			1000000.00
22	Provision for 4 nos 5000 litres PVC Tank	L.S			300000.00
23	Provision for Drinking water supply connection	L.S			100000.00
24	Provision for solar arrangements	L.S			500000.00
25	Provision for UG cable arrangements for three phase EB service connection	L.S			200000.00
26	Provision for lettering and numbering	L.S			30000.00
27	Provision for Ramp arrangements	L.S			150000.00
28	Provision for hose dry rack arrangements	L.S			150000.00
29	Provision for Service pit	L.S			100000.00
30	Provision for drying yard	L.S			150000.00
31	Provision for photographic charges	L.S			50000.00
31	Provision for steel ladder	L.S			200000.00
32	Provision for Centry box	L.S			200000.00
33	Soil Investigation Charges. (1 No)	As per PWD PA rates 2020-21			33770.00
34	Finishing Elevation charges at 1% of building cost	"			112626.46
35	Provision for Lawn at 3% of building cost	"			337879.39
Sub - Total - II					19959531.46
36	GST@12%				2395143.77
Sub - Total - III					22354675.23
37	Labour welfare fund at 1.0%	As per PWD Norms			223546.75
38	Unforeseen items,Contingencies & Petty Supervision charges at 2.50%				558866.88
39	Provision for Supervision charges at 7.50%				1676600.64
40	Price adjustment clause @5%				1117733.76
Sub-Total - IV					25931423.27
41	Cost of foundation Stone laying & Inagural function	As per PWD PA rates 2020-21			13000.00
42	Advertisement charges	L.S			56000.00
43	Provision for EB deposits	L.S			150000.00
44	Provision for property tax & planning permission payment to local body	L.S			50000.00
45	Structural design and consultancy charges	As per GO MS no 181, Dt. 16.05.2003.			100000.00
Grand Total Rs.					26300423.27

For the year 2020-2021

Say Rs. 263.00 Lakhs

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