



**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/TNPCB - Cuddalore/2021**

**Dated: 10.04.2023**

To

The Member Secretary,  
Tamil Nadu Pollution Control Board,  
No. 76 , Mount Salai,  
Guindy, Chennai – 600 032.

Sir,

**Sub:** TNPCHC Ltd – HO – Plg – Construction of Own building for the office of Joint Chief Environmental Engineer (Monitoring), Cuddalore within the premises of existing District Environmental Engineering office at Cuddalore in Cuddalore District – Estimate proposal and willingness – Furnished – Regarding.

**Ref:** 1. The Member Secretary/ TNPCB, Lr.No.TNPCB/EE(C)/009478/2022, Dt:18.10.2022.  
2. This office letter even no. Dtd: 09.02.2023  
3. The Member Secretary/ TNPCB, Lr.No.TNPCB/EE(C)/009478/2022, Dt:13.03.2023

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With reference to the above letter 1<sup>st</sup> cited, the Member Secretary/ TNPCB has requested to construction of Own building for the office of Joint Chief Environmental Engineer (Monitoring), Cuddalore within the premises of existing District Environmental Engineering office at Cuddalore in Cuddalore District.

2. Accordingly, the estimate has been prepared for a value of ₹ 5,63,25,000/- and sent the user department vide reference 2<sup>nd</sup> cited. In the reference 3<sup>rd</sup> cited Member Secretary/ TNPCB has requested to revise the estimate with the provision of providing CCTV arrangements & ramp arrangements for the above building.

3. Accordingly the estimate has been revised with the following provisions:

(i) Providing CCTV camera arrangements

(ii) Provision of Ramp has already been incorporated in the main estimate

The total value of estimate workout to ₹ 5,73,73,000/- including all over head charges & GST @ 18%.

4. It is informed that the Tamil Nadu Police Housing Corporation is willing to execute the work with the supervision charges @ 7.5%.

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

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

7. Hence, it is requested that your acceptance may be communicated to us for taking further necessary action in this regard.

**Encl:** As above.

  
Chief Engineer

2  
10/4/23

## GENERAL ABSTRACT

**Name of work: Construction of Own building for the office of the Joint Chief Environmental Engineer (Monitoring), Cuddalore within the premises of Existing District Environmental Engineer office at Cuddalore.**

S.No	Qty	Description	Rate	Unit	Amount
		<b>BUILDING WORKS</b>			
1	1.00	Main building	28098912.66	No	28098912.66
		<b>SUB - TOTAL - I Rs.</b>			<b>28098912.66</b>
		<b>DEVELOPMENT WORKS</b>			
2	1.00	Cement Concrete Road	1180622.02	No	1180622.02
3	1.00	Plinth Protection	207197.56	No	207197.56
4	1.00	Sullage drain	300204.06	No	300204.06
5	1.00	UG Sump	748240.82	No	748240.82
6	1.00	Septic Tank	326517.29	No	326517.29
7	1.00	Ext.Electrical	316618.42	No	316618.42
8	1.00	Ext.Water supply & Lettering	237118.64	No	237118.64
9	1.00	Fire extinguishers, False ceiling and AC arrangements	1967007.22	No	1967007.22
10	1.00	Lift and Genset arrangements	2395363.98	No	2395363.98
11	1.00	Two wheeler shed arrangements	883402.85	No	883402.85
12	1.00	Four wheeler shed arrangements	1323255.48	No	1323255.48
13	1.00	Provision for Guard room & Filling Gravel	543707.18	No	543707.18
14	1.00	Provision for Additional amenities (Public address system, Wan and Lane Network connection, Structural galzing, R.O system Wall panelling, cupboard & Work station arrangement )	3617828.90	No	3617828.90
15	1.00	Providing CCTV Arrangements	790463.00	No	790463.00
		<b>SUB - TOTAL - II Rs.</b>			<b>42936460.08</b>
		<b>GST 18%</b>			<b>7728562.81</b>

S.No	Qty	Description	Rate	Unit	Amount
		<b>SUB - TOTAL - III Rs.</b>			<b>50665022.89</b>
16		Labour welfare fund @ 1.0%	As per PWD Norms		506650.23
17		Contigencies charges @ 2.5%	"		1266625.57
18		Supervision charges @ 7.5%	"		3799876.72
19		GST @ 18% for Supervision charges			683977.81
		<b>SUB - TOTAL - IV Rs.</b>			<b>56922153.22</b>
20		Provision for soil investigation	LS		50000.00
21		Provision for Advertisement Charges	LS		100000.00
22		EB Deposit charges	LS		100000.00
23		Payment to Planning permission & local bodies	LS		100000.00
24		Structural design charges	LS		100000.00
		<b>SUB - TOTAL - V Rs.</b>			<b>57372153.22</b>
		<b>TOTAL Rs.</b>			<b>57373000.00</b>

*2*  
10/4/23  
**Chief Engineer**

Name of work: Providing CCTV Arrangements for the Construction of Own building for the office of the Joint Chief Environmental Engineer (Monitoring), Cuddalore within the premises of Existing District Environmental Engineer office at Cuddalore.

**ABSTRACT ESTIMATE**

S.No	Qty	Description of Work	Rate	Per	Amount
1	12.00	Suuply, Installation, Testing and Commissioning of Indoor CCTV Camera for night view (IP Dome Camera with IR) Make : CP Plus/Equivalent - with 1/2.8" CMOS image sensor. (As per specification enclosed in Annexure -I)	16830.00	No	201960.00
2	1.00	Suuply, Installation, Testing and Commissioning of Outdoor CCTV Camera for night view (IP Bullet Camera with IR) Make : CP Plus/Equivalent (As per specification enclosed in Annexure -II)	17500.00	No	17500.00
3	1.00	Suuply, Installation, Testing for Pan -Tit-Zoom (360 degree Surveillance) of Outdoor CCTV Camera for night view (IP PTZ 360 degree Camera with IR) Make : CP Plus/Equivalent (As per specification enclosed in Annexure -III)	71175.00	No	71175.00
4	1.00	Suuply, Installation, Testing and Commissioning of 16 Channel Network video recorder Make : CP Plus- Channel/Equivalent (As per specification enclosed in Annexure -IV)	33000.00	No	33000.00
5	1.00	Suuply, Installation, Testing and Commissioning of Storage HDD 12TB Hard Disk (4TB*3) Make : CP Plus- Channel/Equivalent (As per specification enclosed in Annexure -V)	46800.00	No	46800.00
6	1.00	Suuply, Installation, Testing and Commissioning of Monitor 24" Make : LG/Equivalent (As per specification enclosed in Annexure -VI)	27950.00	No	27950.00
7	1.00	Suuply and Fixing the UPS 1 KVA for Cameras and Video recorder Make : Microtek/Equivalent (As per specification enclosed in Annexure -VII)	65550.00	No	65550.00
8	1.00	Suuply and Fixing of 8 port POE Switch Make : DGS-1210-108/Equivalent (As per specification enclosed in Annexure -VIII)	33300.00	No	33300.00
9	35.00	Supply and Installation PVC Encloser Box IP66 For Camera etc.,all complete and as directed by the departmental officers	104.00	No	3640.00

S.No	Qty	Description of Work	Rate	Per	Amount
10	1.00	Supply Installation of PTZ MOUNT KIT etc.,all complete and as directed by the departmental officers.	1725.00	No	1725.00
11	6.00	Supply of CAT 6E Honeywell Cable 23SWG 305 MTRS etc.,all complete and as directed by the departmental officers.	7065.00	No	42390.00
12	2.00	Supply and Installation 6U Rack with power spike & Two Tary 550D rack, Rackmountinf screws, etc all complete as directed by department officers.	5577.50	No	11155.00
13	2.00	Supply and Installation of HDMI Cable 5 Mtrs Hifocus etc.,all complete as directed by the departmental officers.	345.00	No	690.00
14	1.00	Supply and Installation of 1.5 Mtrs HDMI cable Hifoucs etc.,all complete as directed by the departmental officers.	150.00	No	150.00
15	1.00	Supply and Installation of HDMI Spliter Genric etc.,all complete as directed by the departmental officers.	863.00	No	863.00
16	1.00	Supply and Installation of Marx HDMI extender 60 mtrs through cat6E (for 3RD TV SP Viewing) etc.,all complete as directed by the departmental officers.	6040.00	No	6040.00
17	950.00	Installation of CAT 6E cable installation in provided pvc pipe, camer installation fixing of enclouser box for camera etc.,all complete as directed by the departmental officers.	20.00	Rmt	19000.00
18	14.00	Installation & Configuration, Testing of camera as directed by the departmental officer	350.00	No	4900.00
19	1.00	NVR Installation & Configuration, Testing, Commissioning and as directed by the departmental officers.	16675.00	No	16675.00
20	1200.00	Supply and Installation of PVC PIPE WITH CLAMP, SCREWS, BEND, JUNCTION ETC FOR 300 MTRS.	155.00	Rmt	186000.00
		<b>TOTAL AMOUNT</b>			<b>790463.00</b>

*John Lower*  
**Chief Engineer**

Name of work: Providing CCTV Arrangements for the Construction of Own building for the office of the Joint Chief Environmental Engineer (Monitoring), Cuddalore within the premises of Existing District Environmental Engineer office at Cuddalore.

### DETAILED ESTIMATE

S.No	Description of work	Nos		Measurement in mtrs			Qty	Unit
				L	B	D		
1	Supply, Installation, Testing and Commissioning of Indoor CCTV Camera for night view (IP Dome Camera with IR) Make : CP Plus/Equivalent - with 1/2.8" CMOS image sensor. (As per specification enclosed in Annexure -I)							
	TNPCB	1	12				12.00	No
2	Supply, Installation, Testing and Commissioning of Outdoor CCTV Camera for night view (IP Bullet Camera with IR) Make : CP Plus/Equivalent (As per specification enclosed in Annexure -II)							
	TNPCB	1	1				1.00	No
3	Supply, Installation, Testing for Pan -Tit-Zoom (360 degree Surveillance) of Outdoor CCTV Camera for night view (IP PTZ 360 degree Camera with IR) Make : CP Plus/Equivalent (As per specification enclosed in Annexure -III)							
	TNPCB	1	1				1.00	No
4	Supply, Installation, Testing and Commissioning of 16 Channel Network video recorder Make : CP Plus- Channel/Equivalent (As per specification enclosed in Annexure -IV)							
	TNPCB	1	1				1.00	No

S.No	Description of work	Nos		Measurement in mtrs			Qty	Unit
				L	B	D		
5	Supply, Installation, Testing and Commissioning of Storage HDD 12TB Hard Disk (4TB*3) Make : CP Plus- Channel/Equivalent (As per specification enclosed in Annexure -V)							
	TNPCB	1	1				1.00	No
6	Supply, Installation, Testing and Commissioning of Monitor 24" Make : LG/Equivalent (As per specification enclosed in Annexure -VI)							
	TNPCB	1	1				1.00	No
7	Supply and Fixing the UPS 1 KVA for Cameras and Video recorder Make : Microtek/Equivalent (As per specification enclosed in Annexure -VII)							
	TNPCB	1	1				1.00	No
8	Supply and Fixing of 8 port POE Switch Make : DGS-1210-108/Equivalent (As per specification enclosed in Annexure -VIII)							
	TNPCB	1	1				1.00	No
9	Supply and Installation PVC Encloser Box IP66 For Camera etc.,all complete and as directed by the departmental officers							
	TNPCB	1	35				35.00	Nos
10	Supply Installation of PTZ MOUNT KIT etc.,all complete and as directed by the departmental officers.							
	TNPCB	1	1				1.00	No
11	Supply of CAT 6E Honeywell Cable 23SWG 305 MTRS etc.,all complete and as directed by the departmental officers.							
	TNPCB	1	6				6.00	Nos
12	Supply and Installation 6U Rack with power spike & Two Tary 550D rack, Rackmountinf screws, etc all complete as directed by department officers.							



No	Description of work	Nos		Measurement in mtrs			Qty	Unit
				L	B	D		
	TNPCB	1	2				2.00	Nos
13	Supply and Installation of HDMI Cable 5 Mtrs Hifocus etc.,all complete as directed by the departmental officers.							
	TNPCB	1	2				2.00	Nos
14	Supply and Installation of 1.5 Mtrs HDMI cable Hifocus etc.,all complete as directed by the departmental officers.							
	TNPCB	1	1				1.00	No
15	Supply and Installation of HDMI Splitter Genric etc.,all complete as directed by the departmental officers.							
	TNPCB	1	1				1.00	No
16	Supply and Installation of Marx HDMI extender 60 mtrs through cat6E (for 3RD TV SP Viewing) etc.,all complete as directed by the departmental officers.							
	TNPCB	1	1				1.00	No
17	Installation of CAT 6E cable installation in provided pvc pipe, camer installation fixing of enclouser box for camera etc.,all complete as directed by the departmental officers.							
	TNPCB	1	1	950.00			950.00	Rmt
18	Installation & Configuration, Testing of camera as directed by the departmental officer							
	As per the camera qty	1	14				14.00	Nos
19	NVR Installation & Configuration, Testing, Commissioning and as directed by the departmental officers.							
	TNPCB	1	1				1.00	No
20	Supply and Installation of PVC PIPE WITH CLAMP, SCREWS, BEND, JUNCTION ETC FOR 300 MTRS.							
	TNPCB	1	1	1200.00			1200.00	Rmt