



TAMIL NADU POLICE HOUSING CORPORATION LTD.,

(An ISO 9001 : 2015 Certified Company)

No. 132, E.V.R. Salai, Kilpauk, Chennai – 10



Memo No.CE / Plg /7927/ 2021

Dtd:07.11.2022

Sub: TNPHC – Announcement made on the floor of the Legislatively Assembly during the year 2020-2021 – Construction of new building with necessary infrastructure and ambience for establishing DNA analysis Division in the Regional Forensic Science at Pillayarpatti Village in Thanjavur District - Administrative sanction – Orders – Issued – Communication - Regarding.

Ref: G.O.Ms. No.835 Home (Po.XVIII) Dept., Dated:03.11.2022.

Attention of the Superintending Engineer / South Circle is drawn to the reference cited, wherein the Government have accorded administrative sanction for the Construction of new building with necessary infrastructure and ambience for establishing DNA analysis Division in the Regional Forensic Science at Pillayarpatti Village in Thanjavur District to an amount **₹ 377.86 Lakhs**. A copy of the same is enclosed.

2) The Superintending Engineer/ South Circle is requested to adhere to the instruction issued therein and take necessary action and intimate the fact to the undersigned.

Encl: G.O.

Sd/xxx
Chief Engineer

To:

The Superintending Engineer / South Circle.

✓ The Executive Engineer / Trichy Division.

Copy to:

The GM (F&A),/ TNPHC.

The HDO / DB Head office.

The Architect Section

/forwarded/by order/

Executive Engineer.
21/11/2022

58100

Endt / Plg / 2197/2018

Date: 15.11.2022

Copy Communicated to the AEE /
Necessary Action.

Sub Division for Taking Further

S+/- XXXX

E . ENGINEER

TNPCL LTD, TRICHY DIVISION

/FBO/

To:

The AEE /

S.M. Meethi *S.M. Meethi*
AEE / PLG 15.11.2022.

1. Thanjavur sub-Divn
2. Do / Tiruchy.



ABSTRACT

Budget Announcements – Forensic Sciences Department – Announcement made on the floor of the Legislative Assembly during the Budget Session for the year 2021-2022 – Construction of new building with necessary infrastructure and ambience for establishing DNA analysis Division in the Regional Forensic Science Laboratory at the land in S.No.126A/B, Pillaiyarpatti Village in Thanjavur District – Administrative Sanction – Accorded – Orders – Issued.

HOME (POLICE-XVIII) DEPARTMENT

G.O.(Ms) No.835

Dated:03.11.2022

சுபகிருது, ஐப்பசி-17,

திருவள்ளூர் ஆண்டு 2053.

Read:

1. From the Director(i/c), Forensic Sciences Department, Chennai letter No.A1/37710/2021-4, dated:23.11.2021.
2. G.O.(Ms.) No.13, Home (Pol-XVIII) Department, dated:06.01.2022
3. From the Director(i/c), Forensic Sciences Department, Chennai letter No.A1/37710/2021-4, dated:07.03.2022 and 09.09.2022.

ORDER:-

The Hon'ble Chief Minister on the floor of the Legislative Assembly during the Budget Session for the year 2021-2022 in respect of the Forensic Sciences Department, among other things, has made the following Announcement:

தஞ்சாவூர் வட்டார தடய அறிவியல் ஆய்வகத்தில் ரூபாய் 7 கோடியே 30 இலட்சம் செலவில் புதியதாக மரபணு ஆய்வுப்பிரிவு துவக்கப்படும்."

2. Pursuant to the above Announcement, the Director(i/c), Forensic Sciences Department, Chennai in his letter first read above, has sent proposal for a sum of Rs.7,21,16,570/- towards establishment of DNA analysis Division in the Regional Forensic Science Laboratory at Thanjavur as detailed below:-

Sl. No.	Nature of Expenditure	Amount (in Rs.)
A.	Recurring	
1.	Salary towards Scientific, Technical and other supporting Staff [Assistant Director -1, Scientific Officer-1, Junior Scientific Officer-2, Technician-1 Laboratory Assistant -1 Typist-1 and Packer/Sweeper-1 (out sourcing)]	62,57,796
2.	Chemicals/DNA Kits & consumables	33,61,500
	Sub total	96,19,296
B.	Non-Recurring	
3.	Sophisticated Instruments & Apparatus	2,49,95,974
4.	Building & Infrastructure	3,72,28,300
5.	Furniture	1,73,000
6.	Computer, Printer & accessories	1,00,000
	Sub total	6,24,97,274
	Grand total	7,21,16,570

3. In Government Order second read above, after careful examination of the proposal, the Government have accorded administrative sanction for a sum of Rs.3,26,37,006/- for establishment of DNA analysis Division in the Regional Forensic Science Laboratory at Thanjavur as detailed below:-

Sl. No.	Expenditure	Amount (in Rs.)
A.	Recurring:	
1.	Towards salary (per annum)	40,57,532
2.	Chemicals / DNA kits & consumables	33,61,500
	Sub total	74,19,032
B.	Non-recurring:	
3.	Instruments and Apparatus	2,49,95,974
4.	Furniture	1,22,000
5.	Computer, Printer and accessories	1,00,000
	Sub total	2,52,17,974
	Total	3,26,37,006

In the said Government Order among other things, the Director(i/c), Forensic Sciences Department has been directed to send detailed estimates for construction of building and infrastructure.

4. The Director(i/c), Forensic Sciences Department, Chennai in his letter third read above, has stated that the Chief Engineer, Tamil Nadu

Police Housing Corporation furnished the detailed estimate for construction of DNA Analysis Division with type design as Ground + 1 floor of having plinth area 621.73 square metre including head room and Verandah area at a cost of Rs.403.30 lakhs. The Director(i/c), Forensic Sciences Department, Chennai has therefore requested to accord administrative and financial sanction for a sum of Rs.403.30 lakhs towards construction of new building with necessary infrastructure and ambience for establishing DNA analysis Division in the Regional Forensic Science Laboratory at Thanjavur.

5. The Government have examined the proposal of the Director(i/c), Forensic Sciences Department, Chennai in detail and decided to accept it with restrictions/modifications. Accordingly, the Government accord administrative sanction for a sum of Rs.3,77,86,000/- (Rupees three crore seventy seven lakh and eighty six thousand only) towards construction of new building with necessary infrastructure and ambience for establishing DNA analysis Division in the Regional Forensic Science Laboratory at the land in S.No.126A/B, Pillaiyarpatti Village in Thanjavur District.

6. The Director (i/c), Forensic Sciences Department is directed to send separate proposal to the Government for according financial sanction, after completion of the tender procedure.

7. This orders issues with the concurrence of the Finance Department vide its Note No.#34, in e-file No.15089/Pol-XVIII/2022 dated:02.11.2022

(BY ORDER OF THE GOVERNOR)

K.PHANINDRA REDDY
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT

To

The Director(i/c), Forensic Sciences Department, Chennai-4.
The Chief Engineer, Tamil Nadu Police Housing Corporation, Chennai-10.
The Principal Accountant-General, Chennai-18.
The Pay and Accounts Officer (East), Chennai-8.
The Treasury Officer, Thanjavur District.

Copy to:-

The Finance (Home-I) Department, Chennai-9.
The Private Secretary to Additional Chief Secretary to Government,
Home, Prohibition and Excise Department, Chennai-9.
Stock File / Spare Copy / Clean Copy.

// Forwarded / By order //


SECTION OFFICER

Rm
3/11/2022

1993-1994 12 2807 62 70 24 24

GENERAL ABSTRACT					
Name of work : Construction of New Building For DNA Analysis Division , Regional Fotrensic Laboratory with development works at Thanjavur in Thanjavur District					
Sl.No.	Qty	Description	Rate	Unit	Amount
		BUILDING WORKS	AS PER PWD SR 2022-2023		
1	1.00	Construction of DNA Main building (G+1) ✓	22819274.31	1 unit	22819274.31
		SUB - TOTAL - I Rs.			22819274.31
		Development works			
2	1.00	RCC circular sump	486960.21		486960.21
3	1.00	Septic tank (2 nos)	559167.83		559167.83
4	1.00	Plinth protection	156718.24		156718.24
5	1.00	Borewell and External water supply arrangements	682173.41		682173.41
6	1.00	External Electrical and-LTUG cable arrangement	2115665.80		2115665.80
7	1.00	Fire fighting arrangements, DG Set & Lighting arrestor	1596595.61		1596595.61
8	1.00	Sentry room & Numbering and lettering arrangement	576351.87		576351.87
		SUB - TOTAL - II Rs.			28992907.28
9		GST at 18.0%			5218723.31
		SUB - TOTAL - III Rs.			34211630.59
10		Provision for Soil investigation	LS		50000.00
		SUB - TOTAL - IV Rs.			34261630.59
11		Labour Welfare fund @ 1.0%	As pr PWD Norms		289929.07
12		Unforeseen, Contingencies & PS charges @ 2.5%			857277.28
13		Supervision Charges @ 5%			1713081.53
14		Price Adjustment clause at 5%	As pr PWD Norms		1713081.53
		SUB - TOTAL - V Rs.			38835000.00
15		Provision for stone laying and inagural function	LS		50000.00

16	Advertisement charges	LS	65000.00
17	Provision for EB Deposits	LS	200000.00
18	Provision for transformer charges	LS	680000.00
19	Provision for existing Diversion of waste water drain arrangements and soakpit arrangements	LS	200000.00
20	Provision for connecting corridor	LS	200000.00
21	Structural Design / Consultancy & MEP charges	LS	100000.00
	GRAND TOTAL Rs.		40330000.00

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②
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CE/TNPHE

TAMIL NADU POLICE HOUSING CORPORATION LTD					
ABSTRACT					
Name of work : Construction of New Building For DNA Analysis Division , Regional Forensic Laboratory with development works at Thanjavur in Thanjavur District					
Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
1.1		Earth work excavation in all soils (including refilling)			
	209.300	a. 0 to 2 mt.	224.82	Cum.	47054.83
	133.900	b. 2 to 3 mt.	235.02	Cum.	31469.18
1.5		Earth work excavation for Open foundation (excluding refilling)			
	107.400	a. 0 to 2 mt.	106.25	Cum.	11411.25
	12.600	b. 2 to 3 mt.	116.45	Cum.	1467.27
2.1	74.600	05 Filling sand	1749.18	Cum.	130488.83
2.6	3.600	Supply and filling of 40 mm HBSJ	1487.77	Cum.	5355.97
2.7	3.600	Supply and filling of 20 mm HBSJ	1900.77	Cum.	6842.77
3.1	36.300	C.C.1:5:10 for Foundation & Basement	4878.40	Cum.	177085.92
3.2	5.000	P.C.C. 1:2:4 for Foundation & Basement and other similar works	6424.28	Cum.	32121.40
6.5	86.000	Brick work in C.M. 1:5 (F& B) using Kiln Burnt Country bricks of size 22 x 11 x 7 cm (8 3/4" x 4 1/4" x 2 3/4") with admixture	6442.31	Cum.	554038.66
9.5		Brick work in C.M. 1:6 using Kiln Burnt Country bricks of size 22 x 11 x 7 cm (8 3/4" x 4 1/4" x 2 3/4") with admixture			
	90.100	a. In Ground Floor	6444.63	Cum.	580661.16
	38.800	b. In First Floor	6595.53	Cum.	255906.56
	16.200	c. In Second Floor	6746.43	Cum.	109292.17
10.5		Brick partition work in C.M. 1:4 Kiln Burnt Country bricks of size 22 x 11 x 7 cm (8 3/4" x 4 1/4" x 2 3/4") 110 mm tk (B.P.) with admixture			
	44.200	a. In Foundation and basement	778.13	Sqm.	34393.35
	22.500	b. In Ground Floor	786.36	Sqm.	17693.10
	28.800	c. In First Floor	802.96	Sqm.	23125.25

2018/07/67

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	16.200	d. In Second Floor	819.56	Sqm.	13276.87
11.5		Brick work in C.M. 1:4 Kiln Burnt Country bricks of size 22 x 11 x 7 cm (8 3/4" x 4 1/4" x 2 3/4") 70 mm tk (B.P.) with admixture			
	15.200	b. In First Floor	545.59	Sqm.	8292.97
	18.800	c. In Second Floor	556.15	Sqm.	10455.62
12.1		Brick partition in C.M. 1:4 using country bricks of size 22 x 11 x 5 cm 50 mm thick with admixture			
	7.100	a. In Ground Floor	387.02	Sqm.	2747.84
	7.100	b. In First Floor	394.57	Sqm.	2801.45
13.1	82.300	Filling with Excavated Earth	36.95	Cum.	3040.99
21.2		Teak wood Wrought & Put up			
	0.356	a. T.W. over 2 m & below 3 m	124580.00	Cum.	44350.48
	0.154	b. T.W. below 2 m length.	112380.00	Cum.	17306.52
23.3	2.000	S&F of Magnetic door catches	52.00	Each	104.00
25.0	6.000	M.S. Holdfast	9.60	Each	57.60
26.0	35.300	Flooring in C.C. 1:5:10	4878.40	Cum.	172207.52
28.0	74.100	Floor plastering in C.M. 1:4, 20 mm tk.	490.01	Sqm.	36309.74
30.0	46.900	Ellis pattern	431.83	Sqm.	20252.83
31.0	2.200	Weathering course	3553.93	Cum.	7818.65
32.1	353.900	Pressed tiles (23cmx23cmx20mm) mixed with Water proofing compound	1150.89	Sqm.	407299.97
33.0	2752.200	Plastering in C.M. 1:5, 12 mm tk.	241.27	Sqm.	664023.29
34.0	100.300	Plastering in C.M. 1:4, 12 mm tk.	247.36	Sqm.	24810.21
35.0	655.800	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	275.68	Sqm.	180790.94
36.0		Cement mortar Border in C.M. 1:5, 12 mm tk.			
	224.200	a. 150 mm wide	76.73	Rmt	17202.87
	224.200	b. 75 mm wide	49.92	Rmt	11192.06
	74.800	c. 50 mm wide	37.15	Rmt	2778.82
37.1	649.000	White washing 3 coats (slaked)	43.03	Sqm.	27926.47

3693455.38

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
39.0	2914.000	M.s Grills	70.15	Kg.	204417.10
40.0	41.600	Painting - New "wood work"	225.95	Sqm.	9399.52
41.0	370.500	Painting - New "iron work"	133.84	Sqm.	49587.72
46.0	8.000	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	464.00
47.0	10.000	S & F Alu Towel rail 75 cm long	95.00	Each	950.00
48.0	10.000	S & F 5 pin Coat stand	55.00	Each	550.00
49.0	100.000	S & F chromium plated 8 guage Picture Hook	1.50	Each	150.00
50.3	15.000	Supply and planting avenue trees	364.78	Each	5471.70
50.4	15.000	Providing Tree guard	862.73	Each	12940.95
50.5	1.000	Supplying, Fabricating and erection of M.S Scheme Name board	18819.48	Each	18819.48
51.0	5.000	HDPE water tank 700 lit capacity with ISI mark	7035.00	Each	35175.00
52.0		PVC Water supply (ASTM)			
	58.000	a. 32 mm dia	242.12	Rmt	14042.96
	45.000	b. 25 mm dia	224.77	Rmt	10114.65
	22.000	c. 20 mm dia	219.98	Rmt	4839.56
52.1	15.000	G.I Pipe 20mm dia for Hot water line (Fully Concealed in walls)	302.81	Rmt	4542.15
53.3	8.000	C.I. Steps (5 kg)	30.00	Each	240.00
55.2	16.000	Flat Back Urinal	2188.25	Each	35012.00
59.5	8.000	Gully Trap using Kiln burnt country bricks 22 x 11 x 7 cm.	1904.19	Each	15233.52
60.0	8.000	PVC Nahani trap (4way/2way)	160.00	Each	1280.00
		Electrical arrangements			
69.0	42.000	15 Amp. Power plug	150.00	Each	6300.00
72.0	29.000	Box type Fibre Fan hook	33.90	Each	983.10
74.0	27.000	Charges for fixing of "Fan"	571.00	Each	15417.00
76.0	23.000	8 SWG wire	26.30	Rmt	604.90
77.3	95.000	S&F of TV/Telephone line Socket	77.00	Each	7315.00

4147305.69

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
77.4	378.000	S&F of 20mm dia PVC pipe for TV/Telephone line	84.79	Rmt	32050.62
78.0	2.000	Earthing Station IS3043 (Type I)	2873.60	Each	5747.20
86.0	275.300	Anti termite treatment	34.00	Sqm.	9360.20
112.0	5.000	S & F of Exhaust Fan 300 mm dia	2336.00	Each	11680.00
		ANNEXURE			
14.I		Precast Cupboard slab 20 mm tk.using standardised concrete mix M20 (annexure)			
	8.700	a. In Ground floor	1410.31	Sqm.	12269.70
	14.400	b. In First floor	1414.83	Sqm.	20373.55
14.II		Precast cupboard slab 40 mm tk.using standardised concrete mix M20 (annexure)			
	51.900	a. In Foundation & basement	1554.93	Sqm.	80700.87
	1.500	b. In Ground floor	1559.52	Sqm.	2339.28
	0.800	c. In First floor	1568.56	Sqm.	1254.85
		Precast Jally ventilator 50mm tk.using standardised concrete mix M20 (annexure) without vibrating charges			
	2.000	a. In Ground Floor	2819.84	Sqm.	5639.68
4.1		Standardised concrete Mix M20 Grade Concrete			
	120.200	a. In Foundation and basement	7860.08	Cum	944781.62
8.1	87.400	b. Ground Floor	7973.68	Cum	696899.63
	84.200	c. In First Floor	8197.48	Cum	690227.82
	14.900	d. In Second Floor	8421.28	Cum	125477.07
	30.800	Plastering with CM 1:3, 12mm with WPC	266.04	Sqm	8194.03
	171.500	Supplying and filling with gravel	328.35	Cum	56312.03
18.1		Formwork using M.S.Sheet			
	392.900	a.For Column footings,plinth beam,Grade- beam,Raftbeam,Raft slab etc.,	809.35	Sqm	317993.62
	1112.700	b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works	905.40	Sqm	1007438.58
	473.300	c.For Square and rectangular columns and small quantities	1086.48	Sqm	514230.98
	69.500	d.Vertical wall	995.94	Sqm	69217.83

8759494.85

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	37.000	f. Curved surface	1358.10	Sqm	50249.70
	10.400	T.W. frame & TW styles & rails with BWR, double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer.	4166.60	Sqm	43332.64
		TW double leaves shutter with Brass Fittings			
	8.700	TW double leaves shutter of size with brass fittings a. 1800 x 2400mm For MD	8398.65	Sqm	73068.26
	18.900	TW styles & rails with 9mm thick BWR single leaf shutters with brass screws size of 1000 x 2100 mm	3447.13	Sqm	65150.76
21.5.2	6.300	Supply and Fixing Solid UPVC door Shutter with frame	3325.00	Sqm	20947.50
29.8	42.900	Glazed tiles using Grout (Tile Joint Filler)	1330.56	Sqm	57081.02
29.9	7.900	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler).	1173.43	Sqm	9270.10
38.6	1377.100	One coat white cement for new walls and other similar works.	58.70	Sqm	80835.77
43.0	45.087	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.	87298.50	MT	3936027.47
44.6	40.200	PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe	335.61	Rmt	13491.52
50.6	92.000	Precast slab 50 mm tk. in C.C. 1:3:6 with fibre	403.58	Sqm	37129.36
52.4	22.000	20mm dia PVC water supply ASTM pipe (fully concealed in walls)	221.98	Rmt	4883.56
53.4	6.000	S&F of C.I Manhole cover 60 x 60 cm (50kg weight)	1864.00	Each	11184.00
	4.000	Wash Hand Basin of size 550 x 400 mm (White with Pedestal)	3255.82	Each	13023.28
58.3		PVC SWR pipe (Soil line) with ISI mark - type 'B'.			
	23.000	a. 110 mm dia.	696.55	Rmt	16020.65
	23.000	b. 75 mm dia.	579.25	Rmt	13322.75
58.4	28.000	Supplying, Laying & Concealing the 50mm dia PVC (SWR) pipe with ISI mark type - 'B' with relevant specials.	114.45	Rmt	3204.60
58.5	2.000	PVC(SWR) pipe with ISI mark - type 'A' for Ventilating shaft with cowl	454.00	Each	908.00
		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.(Ordinary)			

13208625.77

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	144.000	a. Light point with ceiling rose	1635.00	Each	235440.00
	32.000	b. Light point without ceiling rose	1638.00	Each	52116.00
	2.000	c. Calling bell point with Buzzer/Calling bell	1670.00	Each	3340.00
65.1	27.000	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.	1705.00	Each	46035.00
66.1	6.000	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.	3052.00	Each	18312.00
	18.000	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.	835.00	Each	15030.00
68.2	53.000	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	1133.00	Each	60049.00
	27.000	Supply and delivery of 48" (1200 mm) Fan with ISI mark with Eletronic Dimmer	1552.00	Each	41904.00
	151.200	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.	266.00	Rmt	40219.20
	512.200	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.	226.00	Rmt	115757.20
	200.000	Run of 4 Wires of 6 sqmm PVC insulated single core multi strand	474.50	Rmt	94900.00
	108.000	Run of 4 Wires of 10 sqmm PVC insulated single core multi strand	605.90	Rmt	65437.20
44.2		Rain water harvesting using defunct borewell and providing perforated cover slab			
	4.000	a). Providing pit (M20)	2088.49	Each	8353.96
	12.000	b) Augering 30cm dia	481.25	Rmt	5775.00
344.2	4.000	S&F of Bevelled edge mirror 500 x 400 x 5.5mm	308.30	Each	1593.20
71.2	2.000	Supplying and fixing of 32 AMPS Triple pole main switch	2156.80	Each	4313.60
	2.000	3 Nos. of 63Amps - Fuse Unit	1140.00	Each	2280.00
87.1	2.000	Supplying and delivery of Three phase ELCB/RCCB	3068.50	Each	6137.00
	1064.900	Plastic Emulsion PAINT including primer for outer walls	222.41	Sqm	236844.41

14262712.56

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
38.4.1	1377.100	Two coat of OBC over one coat white cement for inner walls	119.41	Sqm	164439.51
	2875.800	One coat of wall pally	90.97	Sqm	261011.53
448.2	8.000	Providing PVC Tee with end cap	131.50	Each	1052.00
	11.300	Providing wooden Melamine polish for new wood work	1385.99	Sqm	15661.69
	43.500	Concrete designer tiles flooring	1446.79	Sqm	62935.37
	1.000	Supply and fixing of 3 in 1 wall mixer (Jaquar fittings) CER No/79/2021-22	8000.00	Each	8000.00
	1.000	Supplying and fixing of SS health faucet of best quality	4800.00	Each	4800.00
	1.000	Supply and fixing of Towel rail 600mm long	3550.00	Each	3550.00
		Lift Provisions			
	1.000	Supply, Erection and Commissioning of 1No of Passengers lift (8 Persons - 884 Kgs.)at site according to the following specification (PWD SR -2022-2023 P-) Gearless Lift without Machine Room	1597600.00	Each	1597600.00
	1.000	Lison charges for CEIG approved for 8 person lift and 100 KVA genset in all etc.	10000.00	Job	10000.00
	1.000	Annual Maintenance charges for 2nd Year (5% of capital cost)	79880.00	NO	79880.00
	1.000	Annual Maintenance charges for 3rd Year (5% of capital cost)	79880.00	NO	79880.00
	1.000	Annual Maintenance charges for 4th Year (5% of capital cost)	79880.00	NO	79880.00
	1.000	Annual Maintenance charges for 5th Year (5% of capital cost)	79880.00	NO	79880.00
	97.100	Providing Polymer Coating (Water Proof Coating) for sunken portion (PWD SR -22-23)	329.00	Sqm	31945.90
	2.200	Supplying and fixing in position of UPVC Ventilator louvered ventilator type for all sizes SR 2022-2023 p-66	8106.00	Sqm	17833.20
	88.400	Supplying and fixing in position of UPVC window of casement type(open) for all sizes SR 2022-2023 p-65	7482.00	Sqm	661408.80
		UPVC Non Pressure pipe of SN8 SDR 34 (S 16.5) as per IS 15328/2003			
	80.000	a. 110 mm UPVC Non Pressure pipe	471.71	Rmt	37736.80
	75.000	b. 160 mm UPVC Non Pressure pipe	795.94	Rmt	59695.50

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
		PVC Specials as per IS 10124/1982 Part II			
	10.000	a. 110 mm dia PVC bend (TWAD SR 22-23 P-27 S.No-4)	175.20	Each	1752.00
	8.000	b. 160 mm dia PVC bend ((TWAD SR 22-23 P-27 it-1.5, S.No-4)	560.20	Each	4481.60
		PVC Equal Tee as per BIS 7834/1975			
	2.000	a. 110 mm dia PVC Equal tee(TWAD SR 22-23 P-27 S.No-9)	197.50	Each	395.00
	2.000	b. 160 mm dia PVC Equal tee(TWAD SR 22-23 P-27 S.No-9)	371.80	Each	743.60
	2.000	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.	3223.12	Each	6446.24
	2.000	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.	5006.17	Each	10012.34
	4.000	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP	6876.30	Each	27505.20
	4.000	S & F of 15mm dia half turn CP long body tap	480.00	Each	1920.00
	4.000	S & F of 15mm dia half turn CP short body tap	432.00	Each	1728.00
	593.800	Granite Tiles Slab flooring in cm1:3,20mm thk Ruby red	2257.57	/Sqm	1340545.07
	2.000	Supply and Fixing of Air curtains with high quality international standards casing	25000.00	Nos	50000.00
	154.200	Providing and fixing of Glass Partition with 10mm thick	8450.00	Sqm	1302990.00
	136.200	Supplying and Fixing of Vertical Blind (Premium)	1383.00	Sqm	188364.60
	4.000	S & F of RCC precast exhaust fan collar	450.00	Nos.	1800.00
	1.000	Supplying, testing and commission of 2 ton capacity Hi-wall counted single split type AC unit 3 star	44160.00	Nos	44160.00
	13.000	Supplying, testing and commission of 1.5 ton capacity Hi-wall counted single split type AC unit	33170.00	Nos.	431210.00
	14.000	Supply and installation of 5 KVA capacity Automatic Voltage Stabilizer with time delay relay (V-Gurad Equivalent)	4940.00	Nos.	69160.00
	14.000	Supply and laying of 5/8" and 3/8" copper pipe (Extra beyond 3 metres supplied with AC unit)	940.00	Nos.	13160.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	35.000	Suppl and Fixing of Top box of size 0.90x0.30x0.60mt made of 19mm thick ISI BWR (quotation)	11250.00	Set	393750.00
	16.800	Providing and Fixing of Glass doors with 10mm thick (quotation)	12645.00	Sqm.	212436.00
		Supplying and Installation and testing of the following Biometric & card based access control system (quotation)			
	2.000	a) Supply of IP based 4 door access control panel	24350.00	Nos	48700.00
	1.000	b)Supply of door access card	52.00	Nos	52.00
	8.000	c)Supply of Biometric K30 Device	1000.00	Nos	8000.00
	8.000	d)Supply of EM lock and L bracket	3360.00	Nos	26880.00
	8.000	e)Supply of Exit switch	925.00	Nos	7400.00
	208.000	f)Supply and laying of 4 core cable 1.5sqmm	90.00	Rmt	18720.00
	208.000	g)Supply and laying of 8 core cable 1.5sqmm	134.00	Rmt	27872.00
		h)testing and installation charges for access control system	10530.00	Nos	10530.00
		Supply and Fixing of Lab Table of following size made of 19mm thick ISI BWR plywood with 1mm thick			
	1.000	a)Table of size (4.35X1.50X0.75)(quotation) P- 87	233000.00	No	233000.00
	25.000	b) Table of Size (1.80x0.60x0.75)(quotation) P- 87	46200.00	Nos	1155000.00
	115.600	Supplying and laying of pvc pipe of 32 mm dia with necessary specials (quotation)	387.75	Rmt	44823.90
	97.000	Providing extra copper tubing beyond 4m length	940.00	Rmt	91180.00
	25.000	Supplying and fixing of 18W LED 3000K Square Type Recessed Fitting with LED (Data)	3074.00	Nos	76850.00
	22.000	Run off mains with 2 wires of 6 Sqmm copper	309.90	Rmt	6817.80
	7.000	Supply and fixing of 75mm thick Aluminium frame in Centre 50mm Aluminium frame in both side and 1200m height (quotation)	33705.00	Set	235935.00
	27.000	Supplying and Fixing of Chair 18mm Round 18 gauge frame (quotation)	3745.00	Nos	101115.00
	97.600	Aluminium Partition wall 1/3 5.5mm thick glass & 2/3 Novapan sheet 12mm thick outer top and bottom	3879.13	Sqm	378603.09

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	8.400	Supply and fixing of colour matt finish door 15 microns double leaf door (1000 x 2100 mm)	7770.10	Sqm	65268.84
	14.000	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 Ele SD -140 /2022-2023	1879.00	Each	26306.00
	2.000	Supply and fixing of 9 watts LED bulb	135.00	Each	270.00
	63.000	Supply and fixing of 4' 18 watts LED Tube Light	690.00	Each	43470.00
	27.000	Supply and fixing of Bulk Head fitting suitable for 12W LED Bulb	517.00	Each	13959.00
	6.000	Supply, fixing of 25W LED street light etc.,	3367.00	Each	20202.00
	27.000	Supply and fixing of 12 watts LED bulb (qtn)	170.00	Each	4590.00
	4.000	Supplying and fixing of SS Sink of size 900 x 900 x 200mm (PWD SR 2022-2023, P. 50)	9180.00	Each	36720.00
	443.400	Providing and fixing in position of 10mm tk Hiluxboard false ceiling	972.00	Sqm	430984.80
		Drilling of Borewells anywhere in Tamilnadu including transportation from one place to another with in Tamilnadu in alluvial soil sedimentary strata of clay and sand stone shale pebbles boulders etc.. (Qtn)			
	76.000	(i) Upto 76m depth ending below Ground level	551.04	Rmt	41879.04
	15.000	(ii) From 76m upto 91m depth ending below Ground level	688.80	Rmt	10332.00
	16.000	(iii) From 91 m upto 107 m Depth ending from ground level	826.56	Rmt	13224.96
	15.000	(iv) From 107 m upto 122 m Depth ending from ground level	964.32	Rmt	14464.80
	15.000	(v) From 122m upto 137 m Depth ending from ground level	1102.08	Rmt	16531.20
	15.000	(vi) From 137m upto 152 m Depth ending from ground level	1239.84	Rmt	18597.60
		Reaming 140/150mm dia pilot bore to 300mm dia bore as directed by the departmental officers.(TWAD SR 22-23 ,P-302)			

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	92.000	(i) Upto 60m depth ending below Ground level	424.60	Rmt	39063.20
	60.000	(ii) Upto 60m upto 90m depth ending below Ground level	451.00	Rmt	27060.00
		Supply and delivery of PVC casing pipes suitable for 150mm dia bore well			
	92.000	i) 150 mm dia PVC pipe (CM-Casing Medium depth) without slot (TWAD SR 2022-2023)	841.50	Rmt	77418.00
	60.000	ii) 150 mm dia PVC pipe (RS - Ribbed screen pipe) with slot (TWAD SR 2022-2023)	1004.50	Rmt	60270.00
		Labour charges for inserting PVC casing pipes assembly (with slots or with out slots) in the drilled hole including jointing the pipes with PVC couples with cement paste etc.,			
	152.000	(i) 150mm dia casing pipes assembly (TWAD SR 22-2023 it-13 a P-304	369.60	Rmt	56179.20
	8.000	Charges for developing the bore well with air compressor of 600 CFM capacity (Minimum 8 hours) including transportation labour and fuel charges for compressor (TWAD SR 2022-2023) p-305	2490.40	Hours	19923.20
	1.000	Supply and delivery of PVC end cap suitable 200mm dia bore well of approved quality etc., all complete and as directed by the departmental (TWAD SR 2022-2023)	193.50	No	193.50
	1.000	Supplying and fixing of clampset (TWAD SR 2022-2023) it-5.1b	995.00	No	995.00
	2.000	Supply and delivery of clear water vertical wet type three phase 2.0HP submersible pumpset suitable for 150mm dia borewell conforming to IS 8034/2002 with latest amendments (50 lpm x40 m) (PWD SR 2022-2023-P -105 it -377)	15450.00	Nos	30900.00
	3.000	Supplying and delivery of THREE PHASE PANEL BOARD- D.O.L WITH TWO LEVEL GUARD AND AUTO START for three phase 2.0 HP submersible pumpset etc.,all complete TWAD SR 2022-2023 P-114	14832.00	Nos	44496.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	2.000	Supply and delivery of Open well Submersible pump set conforming to IS 14220 /2002 and as amended thereafter and BEE 3 Star Rated capable of discharging the following duties due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze mixed type impeller, CI FG 200 grade casing and brass screws and rotor shall be of copper rod as per IS 613/1984 with ISI mark. The pump suitable for installation in sump with 1.1KV grade 3 core suitable copper flat submersible cable to a length of 15m with necessary cable joints. The non-return valve located at the top of the pump in the discharge outlet connection is to be designed with minimum friction. The pump should be directly coupled to 2880 RPM, three phase, 50 Hz (±5), 415V+6% & 415V-15% squirrel cage induction motor suitable for DOL upto 5 HP, Fully Automatic Air break Star Delta up to 20 HP and Auto Transformer starter for above 20 HP starting and for continuous operation	33017.00	Nos	66034.00
	3.000	Labour charges for the erection of three phase Upto 5.0HP submersible pumpset in borewell/openwell (TWAD SR 2022-2023)p-308	10056.10	Nos	30168.30
	157.000	Supply of 3 core 4 sqmm PVC insulated flat cable for submersible pumpset etc.,all complete (TWAD SR 2022-2023)p-120	191.00	Rmt	29987.00
	167.000	Supplying of 14mm dia of Nylon rope etc., all complete.	61.80	Rmt	10320.60
	140.000	Supplying and laying of the 40 mm dia UPVC column pipe for submersible motor etc all complete (TWAD SR 2022-2023,P-24)	174.10	Rmt	24374.00
	1.000	Supplying of 40 mm Dia Cast Iron Adopter (qtn)	550.00	Nos	550.00
		Supplying and delivery of following Dia UPVC Pipes and Specials			
	40.000	a) 50mm dia. UPVC pipe (Below ground level) data P-93	457.55	Rmt	18302.00
	10.000	c) 50mm dia. UPVC Coupler (PWD SR 2022-2023) p-99	67.70	nos	677.00
	3.000	d) 50mm dia. UPVC Elbow (PWD SR 2022-2023) p-107	83.70	nos	251.10
	2.000	e) 50mm dia. UPVC tee (PWD SR 2022-2023) p-107	116.00	nos	232.00
	2.000	f) 50 x 40 mm dia. UPVC Reducer tee (PWD SR 2022-2023) p-109	57.20	nos	114.40

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	4.500	d) 32mm dia. UPVC pipe (below G.L) <i>Data P-93</i>	349.89	Rmt	1574.51
		Supplying and delivery of following dia. of G.I specials			
	4.000	a) 50mm dia. G.I Union (PWD SR 2021-2022) p-46	266.30	NO	1065.20
	6.000	b) 50mm dia. G.I Hex Nipple (PWD SR 2021-2022) p-48	87.00	NO	522.00
	3.000	c) 50mm dia. G.I Bend (PWD SR 2021-2022) p-46	116.30	NO	348.90
	3.000	f) 50mm dia. GM Non-Return valve (TWAD SR 21-22) P-45	3344.00	NO	10032.00
	2.000	d) 32mm dia. GM Gate valve (Heavy duty) (PWD SR 2021-2022) p-48	753.00	NO	1506.00
	4.000	d) 20mm dia. GM Gate valve (Heavy duty) (PWD SR 2021-2022) p-48	347.00	NO	1388.00
	6.000	b) 25mm dia. G.I Hex Nipple (PWD SR 2021-2022) p-48	43.70	NO	262.20
	50.000	Supplying and fixing of 25mm dia PVC Conduit pipe (BGL Data) <i>P-95</i>	246.19	Rmt	12309.50
		External Electrical and LTUG cable arrangement			
	45.000	S & F of MS angle of size 50x 50x 5mm	57.60	Kg	2592.00
		External Electrical Arrangements			
	23.000	a) 50 mm dia G.I pipe (B class) PWD SR 2022-2023 p-45	209.00	Rmt	4807.00
	4.000	b) 50 mm dia GI Bend PWD SR 2022-2023 p-46	116.30	Nos.	465.20
	6.000	c) 50 mm dia GI pipe below GL (Data) <i>P-113</i>	258.04	Rmt	1548.24
		Supplying of PVC armoured ALTUG cable			
	45.000	Supplying of 3.5 core of 120 sqmm PVC armoured ALTUG cable (PWD SR 22-23)	689.00	Rmt	31005.00
	25.000	Supplying of 3.5 core of 70 sqmm PVC armoured ALTUG cable (PWD SR 22-2023)	436.00	Rmt	10900.00
	25.000	Supplying of 3.5 core of 25 sqmm PVC armoured ALTUG cable ((PWD SR 22-2023)	221.60	Rmt	5540.00
	10.000	Supplying of 4 core of 16 sqmm PVC armoured ALTUG cable ((PWD SR 22-2023)	183.20	Rmt	1832.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	33.000	Supplying of 4 core of 10 sqmm PVC armoured ALTUG cable (PWD SR 22-2023)	139.10	Rmt	4590.30
	30.000	Supplying of 2 core of 10 sqmm PVC armoured ALTUG cable (PWD SR 22-2023)	119.20	Rmt	3576.00
		Supply and fixing of cable gland			
	4.000	Supplying of 3.5 core of 120 sqmm PVC armoured ALTUG cable gland (SD-191)	595.00	Nos	2380.00
	6.000	Supplying of 3.5 core of 70 sqmm PVC armoured ALTUG cable gland (SD-189, 22-23)	553.00	Nos	3318.00
	14.000	Supplying of 3.5 core of 25 sqmm PVC armoured ALTUG cable gland (SD-186)	407.00	Nos	5698.00
	24.000	Supplying of 4 core of 16 sqmm PVC armoured ALTUG cable gland (Data) P-104	300.00	Nos	7200.00
	4.000	Supplying of 4 core of 10 sqmm PVC armoured ALTUG cable gland (Data) P-104	277.00	Nos	1108.00
	2.000	Supplying of 2 core of 10 sqmm PVC armoured ALTUG cable gland (SD-182)	269.00	Nos	538.00
		Supply and fixing of PVC cable end termination			
	4.000	Supplying of 3.5 core of 120 sqmm PVC armoured ALTUG cable end termination (SD-240, 2022-2023)	509.00	Each	2036.00
	6.000	Supplying of 3.5 core of 70 sqmm PVC armoured ALTUG cable (SD-238)	337.00	Each	2022.00
	14.000	Supplying of 3.5 core of 25 sqmm PVC armoured ALTUG cable (SD-235)	320.00	Each	4480.00
	24.000	Supplying of 4 core of 16 sqmm PVC armoured ALTUG cable end termination (Data) P-105	325.00	Each	7800.00
	4.000	Supplying of 4 core of 10 sqmm PVC armoured ALTUG cable end termination (Data) P-106	325.00	Each	1300.00
	2.000	Supplying of 2 core of 10 sqmm PVC armoured ALTUG cable end termination (Data) P-106	317.00	Each	634.00
	1.000	3 PHASE UPS (Three Phase In & Single Phase Out) 7.5 KVA	239800.00	Each	239800.00
	2.000	3 PHASE UPS (Three Phase In & Single Phase Out) 15 KVA	450400.00	Each	900800.00
	1.000	Supply and erection of 250 Amps capacity floor mounting / wall mounting panel board (Cubical type) with bus bar Data P-100	100816.00	Each	100816.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	1.000	Supply and erection of 125 Amps capacity floor mounting / wall mounting panel board (Cubical type) with bus bar Data P-104	80555.00	Each	80555.00
	5.000	Supplying and fixing of Manhole Cover SFRC for the size of 750mm x 750mm of approved quality . (PWD SR 2022-2023)	2971.00	Nos	14855.00
	32.000	Supply and fixing of 600 mm x600 mm x 3 mm copper flat on wall in the lift machine room for providing earth connection to the lift machinery (SD-77)	880.00	Each	28160.00
	130.000	Providing and fixing 25mm x 3mm copper strip on surface or in recess for connections as required - Data G (SD - 76) 2022-2023	467.00	Rmt	60710.00
	130.000	Supply and run of 2 of No.8 tin coated copper for earth connections (Data)	145.70	Rmt	18941.00
	6.000	Wiring for lift well light point and socket outlet with 2 x 1.5 sqmm	2176.00	Each	13056.00
	6.000	supplying and fixing of water tight bulk head fittings with guard, (For lift room)	517.00	Each	3102.00
	8.000	Supply and Fixing of AC/ DC 76mm (3") buzzer/ call bell (data) P-107	395.00	Each	3160.00
		Supplying, Fixing and testing and commissioning of MCB		*	
	2.000	40 A DP 10 kA MCB - Data P-97	1242.00	Each	2484.00
	2.000	10/20/32A DP 10 KA MCB - Master control switch for each dormitory- Data P-97	904.00	Each	1808.00
	1.000	63A TPN 10 KA MCB - Data P-97	1667.00	Each	1667.00
	60.000	Supply and fixing of perforated cable trays of sizes without cover below made out of 14 SWG CRCA sheet steel and hot dip galvanized with supports and at every 1.2 mtr. interval using supports of MS angle of suitable size. The supports shall be painted with Red-oxide primer and two quotes of aluminium paints. a) 150 x 50 mm - CER no-124/2020-21	478.00	Rmt	28680.00
	15.000	Supply and fixing of perforated cable trays of sizes with cover below made out of 14 SWG CRCA sheet steel and hot dip galvanized with supports and at every 1.2 mtr. interval using supports of MS angle of suitable size. The supports shall be painted with Red-oxide primer and two quotes of aluminium paints b) 300 x 50 mm - CER no-124/2020-21	551.00	Rmt	8265.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	6.000	Supply and fixing of triple pole and neutral four way 7 segment 3 tier compartmental type MCB distribution board complete with the following and necessary neutral link, earth connector link etc. with bus bar and double door arrangements on surface / in flush with wall and making good of the concealed portion with earth connection. Incoming: 1 No. 63A 10 KA TPN MCB 3 Nos. 40A 10KA DP MCB with 40A 30 mA ELCB double pole Outgoing: 12 Nos. 6 A / 20A 10KA SP MCB DATA -AI LDB : 5 Nos. PDB : 2 Nos. (Data) P - 96.	21258.00	Each	127548.00
	3.000	Supplying and fixing of 120 W LED Street light fitting (DATA) P - 96	11056.00	Each	33168.00
	2.000	Supplying and fixing of 70 W LED Street light fitting (DATA) P - 96	4868.80	Each	9737.60
	1.000	Towards fabrication supply and installation of CT metering box for availablabg the power supply from TANGEDCO	50000.00	Each	50000.00
		Fire fighting arrangements			
	1.000	Supply and Installation of 12 Zone Automatic Fire Alarm Panel with fire and fault indications, (CER No.79/2021-22)	48500.00	Nos	48500.00
	29.000	Supply and Installation of Photoelectric Smoke Detectors with base and LED to operate on 24 V de supply. Make Apollo, System Sensor USA	2800.00	Nos	81200.00
	2.000	Supply and Installation of Heat Detector to operate on 24 V De supply. Make System Sensor/ Apollo	2700.00	Nos	5400.00
	1.000	Supply and Installation of Electronic hooter 5 watts capacity wall mounting type.	1500.00	Nos	1500.00
	3.000	Supply and Installation of Manual call points with hammer and chain	1400.00	Nos	4200.00
	685.000	Supply and Installation of 2 X 1.0 SQMM copper cable, in casing capping 1 %" pvc conduit junction boxes, glands, clamps, etc.	190.00	Rmt	130150.00
	31.000	Supply and installation of response indicators for smoke detectors inside the rooms.	400.00	Nos	12400.00
	6.000	Supply and Installation of ABC type Fire Extinguishers, cylindrical in shape, wall mounting type, with initial charge, and discharge nozzle, capacity 6 Kgs. ISI marked. P - 91	4600.00	Nos	27600.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	4.000	Supply and installation of CO2 type fire extinguishers, wall mounting type, cylindrical in shape, with discharge horn. Capacity 4.5 kgs. ISI Marked. P-91 (Qty)	11000.00	Nos	44000.00
		Supply of DG Set arrangements			
	1.000	Supply, installation, testing and commissioning of 100 KVA generator set (PWD SR 2022-2023-146)	732600.00	set	732600.00
	1.000	Insulation for the residential silencer (supply of residential silencer to be included under item for DG Sets) - (Quotation From Rajguru Enterprises) (CER No.79/2021-22) P-83	7000.00	set	7000.00
	1.000	Supply and installation of M.S. cable adopter box (made of 14 SWG sheet steel) P-83	27646.00	NO	27646.00
	5.000	Supply and installation of MS exhaust pipe of suitable thickness with 100mm dia upto 5m from the silencer complete with necessary supports, brackets etc. The supports shall have at intervals of not more than 2.5m. (Quotation From Rajguru Enterprises) P-83 (CER No.79/2021-22)	339.30	Rmt	1696.50
	5.000	Supply and installation of MS exhaust pipe of suitable thickness with 125 mm dia complete with MS wall / ceiling support, etc (Quotation From Rajguru Enterprises) (CER No.79/2021-22)	2756.00	Rmt	13780.00
	10.000	Supply and insulation of exhaust pipe thermal insulation lagging with mineral wool as per IS 3677 / 1973 (CER No.79/2021-22)	197.00	Rmt	1970.00
	1.000	Supply and installation of stainless steel rain hood / rain cap / bend at top of the exhaust pipe to prevent rain water	4245.00	set	4245.00
	1.000	Preparation of necessary drawings for both DG sets for approval by Chief Electrical Inspector to Government (CER No.79/2021-22)	30000.00	set	30000.00
	1.000	Providing safety equipments: CO2 fire extinguisher : 1 No.; 9 ltrs capacity fire buckets: 3 Nos., & rubber mat : 1 No. (Quotation From Rajguru Enterprises) P-83	16750.00	Each	16750.00
		Cabling and end termination			
	75.000	3.5 core 185 sq.mm. PVC Armoured UG Cable (Below - Data) From DG panel to common panel	1507.00	Rmt	113025.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	4.000	Supply and fixing of brass cable gland for 3-1/2 x 185 sq.mm. PVC LTUG aluminium armoured cable with earth connection (SD-193)	666.00	Each	2664.00
	4.000	Supply and providing cable end termination of 3-1/2 x 185 sq.mm. PVC LTUG aluminium armoured cable with necessary aluminium cable sockets by crimping etc with electrical connection complete (SD-242)	539.00	NO	2156.00
	2.000	Earthing as per the ISI specification with an earth electrode of 2.10 metre Class 'B' GI pipe of dia not less than 40mm with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry (SD-233)	2703.00	Each	5406.00
	6.000	Plate earthing with copper plate of size 600 x 600 x 3 mm as per the ISI (Data) P-97	10617.00	NO	63702.00
		Lightning arrestor		7	
	1.000	Supply and installation of Advanced Early Streamer Emitter type Lightning arrestor made of AISI 316 Stainless Steel NFC 102 -17 standard 79 mtrs radius protection. Make :- JMV/Gravin Model 1-0(PWD SR2022-23 -P-150)	74580.00	NO	74580.00
	1.000	Supply and Installation of copper 18 mm Copper Rod size of 8 feet length buried in earth including excavation of earth to the depth of 8 feet and closing the pit and mixing Bentonite Chemical for fluid retention.(DPO Ranipet)	20000.00	NO	20000.00
	1.000	Supply and Installation of 50 MM dia GI mast of 5 Mtrs length with insulators, enamel painted to approved colour part buried in floor for supporting lightning arrestor spike and copper cable.(DPO Ranipet)	24000.00	NO	24000.00
	45.000	Supply and installation of 70 Sqmm copper braided/Solid sheathed cable run on the external wall from terrace to the ground floor. ((DPO Ranipet)	700.00	NO	31500.00
		Numbering and lettering arrangement			
		Supplying and fixing of aluminium die casting lettering and numbering		7	
	36.000	a) 12" 30cm letters. (CER no 04/2022-23)	1200.00	Each	43200.00
	40.000	b) 9" letters. (PWD SR 2022-23)	1179.00	Each	47160.00

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Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2022-2023
	1.000 ✓	Supplying and fixing of TNPHCL logo 60cm (CER No. 04/2022-23)	3000.00	Each ✓	3000.00
	3.900 ✓	Supplying and Fixing of Plastic name board (4") (CER No.79/2021-22)	6201.55	Sqm ✓	24186.05
	360.000 ✓	Supplying and Fixing of Brass Name Board (CER No.79/2021-22)	40.00	Each ✓	14400.00
	1.000 ✓	Supplying and fixing of tamilnadu government Emblem of 3'-3" dia (CER No.79/2021-22)	75000.00	Each ✓	75000.00
	11.000 ✓	Supplying of Godrej Navtal 7 Levers - 3 Keys (CER No.79/2021-22)	700.00	Each ✓	7700.00
		Total Rs:			28992907.28 ✓

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01/9/22
DD

①
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