

from: Ho

11/8/2021 @ 1.17 PM

TAMIL NADU POLICE HOUSING CORPORATION LIMITED
No: 132 E.V.R. Salai, Kilpauk, Chennai-10.

Memo No: CE/DB/1021/2021

Date. 02.08.2021.

Sub: TNPHC Ltd – HO/DB- South Circle – Mdu Dn. –
Construction of 12 Nos. of PC/HC Quarters at Pallathur in
Sivagangai District under Announcement made by the
Hon'ble Chief Minister of Tamil Nadu during Police
demand held on 24.03.2020– Estimate Technically
sanctioned – Intimation - Reg.

Ref: SE's Lr.No.DB/SC/1883/2021, Dt:08.07.2021. ✓

28/8/21
With reference to the above, it is hereby informed that the estimate submitted by the Superintending Engineer/South Circle for the above work is technically sanctioned by the undersigned for **Rs.1,92,90,000/-** in anticipation of financial sanction from the Government and registered vide **CER.No: 68 / 2021-2022** and also the above work should be completed with in the approved Fund.

The Superintending Engineer/South Circle is requested to depute a person to this office to take a copy of the above estimate.

The receipt of the memo should be acknowledged.

Sd/...
Chief Engineer/TNPHC

To
The Superintending Engineer/South Circle
TNPHC Ltd., Madurai.

Copy to the Executive Engineer / Madurai Dn.
TNPHC Ltd., Madurai

/Forwarded / By Order/

S. Manimala
2/8/2021
Junior Engineer

2/8/2021

TAMIL NADU POLICE HOUSING CORPORATION LIMITED
No. 132 EVR Salai, Kilpauk, Chennai – 600 010.

Technical sanction slip

Name of work: Construction of 12Nos of PC/HC quarters at Pallathur in
Sivagangai District *under CM announcement for*
the year 2020-21 - ₹ 192.96 Lakhs

F.S.

G.O.Ms.No.169 Home (Police-X) Dept.
Dt:07.04.2021.

LS Provision for Development

Special provision

Total

- ₹ 192.96 Lakhs

Total Administrative Sanction

Estimate Sanctioned so for

Rs. 192.96 lakhs

Technically sanctioned for Rs.1,92,90,000/- (Rupees One crore ninety two Lakhs and
ninety thousand only) and registered in CER No. 68 /2021 – 2022.

Technically Sanctioned for
Rs. 1,92,90,000/-

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30/7/2021

TA

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30/7/2021

JE

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21/8/21

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02/8/2021

CE/TNPHC

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GENERAL ABSTRACT

Name of Work: Construction of 12 Nos. of PC/HC Quarters at
 Vavangai District under Announcement made by the Hon'ble Chief Minister
 Tamil Nadu during Police demand held on 24.03.2020

Sl. No.	Qty	Description	Rate	Unit	Amount
BUILDING WORKS			PWD SR 2020 - 2021		
1	1.00	Construction of 8 PC/HC qtrs (8 in 1, G+3) 1 Block	10009075.55		10009075.55
2	1.00	Construction of 4 PC/HC qtrs (4 in 1, G+3) 1 Block	5627939.19		5627939.19
SUB - TOTAL - II Rs.					15637014.74
3		GST at 12.0% (GST at 6% + CGST 6%)			1876441.77
SUB - TOTAL - III Rs.					17513456.51
4		Provision for Shifting LT EB line in site premises	LS		70000.00
5		Provision for lettering and numbering	LS		20000.00
6		Provision for Soil Investigation charges	LS		20000.00
SUB - TOTAL - IV					17623456.51
7		Labour welfare fund @ 1%	LS		176234.57
8		Supervision Charges @ 7.50%	LS		1322308.92
SUB - TOTAL - V					19122000.00
9		Provision for Advertisement Charges	LS		50000.00
10		Provision for planning permission	LS		100000.00
11		Structural Design and Consultancy Charges	LS		18000.00
TOTAL Rs.					19290000.00

TAMIL NADU POLICE HOUSING CORPORATION LTD

ABSTRACT

Name of Work: Construction of 12 Nos. of PC/HC Quarters at Pallathur in Sivagangai District under Announcement made by the Hon'ble Chief Minister of Tamil Nadu during Police demand held on 24.03.2020

Sl. No.	Qty.	Description	Rate	Unit	Amount
1.1		Earth work excavation in all soils (including refilling)			
	366.000 ✓	a. 0 to 2 mt.	177.77	Cum.	✓ 65063.82
	67.700 ✓	b. 2 to 3 mt.	185.87	Cum.	✓ 12583.40
2.1 ✓	24.900 ✓	Filling sand	1499.38	Cum.	✓ 37334.56
3.1 ✓	34.500 ✓	C.C. 1:5:10 for Foundation & Basement	4274.52	Cum.	✓ 147470.94
6.6 ✓	11.700 ✓	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")	5768.68	Cum.	✓ 67493.56
9.6 ✓		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")			
	26.500 ✓	a. In Ground Floor	5758.28	Cum.	✓ 152594.42
	26.500 ✓	b. In First Floor	5877.58	Cum.	✓ 155755.87
	26.500 ✓	c. In Second Floor	5996.88	Cum.	✓ 158917.32
	30.250 ✓	d. In Third Floor	6116.18	Cum.	✓ 185014.45
	9.000 ✓	e. In Fourth Floor	6235.48	Cum.	✓ 56119.32
10.6 ✓		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.)			
	79.900 ✓	b. In Ground Floor	694.89	Sqm.	✓ 55521.71
	79.900 ✓	c. In First Floor	708.01	Sqm.	✓ 56570.00
	79.900 ✓	d. In Second Floor	721.13	Sqm.	✓ 57618.29
	148.200 ✓	e. In Third Floor	734.25	Sqm.	✓ 108815.85
	14.600 ✓	f. In Fourth Floor	747.37	Sqm.	✓ 10911.60
11.6 ✓		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.)			

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Sl. No.	Qty.	Description	Rate	Unit	Amount
	24.200 ✓	a. In Ground Floor	470.16	Sqm.	✓ 11377.87
	24.200 ✓	b. In First Floor	478.51	Sqm.	✓ 11579.94
	24.200 ✓	c. In Second Floor	486.86	Sqm.	✓ 11782.01
	24.200 ✓	d. In Third Floor	495.21	Sqm.	✓ 11984.08
12.1,		Brick partition in C.M. 1:4 using country bricks of size 22 x11x5cm 50 mm thick			
	10.400 ✓	a. In Ground Floor	342.13	Sqm.	✓ 3558.15
	10.400 ✓	b. In First Floor	348.10	Sqm.	✓ 3620.24
	10.400 ✓	c. In Second Floor	354.07	Sqm.	✓ 3682.33
	12.200 ✓	d. In Third Floor	360.04	Sqm.	✓ 4392.49
13.1	99.100 ✓	Filling with Excavated Earth	29.30	Cum.	✓ 2903.63
21.2		Teak wood Wrought & Put up			
	0.378 ✓	a. T.W. over 2 m & below 3 m	121875.00	Cum.	✓ 46068.75
	0.180 ✓	b. T.W. below 2 m length.	109675.00	Cum.	✓ 19741.50
23.3	36.000 ✓	S&F of Magnetic door catches	52.00	Each	✓ 1872.00
24.0	3135.000 ✓	Manufacturing & supply of steel windows (Weight basis)	61.50	Kg.	✓ 192802.50
25.0	216.000 ✓	M.S.Holdfast	9.60	Each	✓ 2073.60
26.0	12.500 ✓	Flooring in C.C.1:5:10	4274.52	Cum.	✓ 53431.50
28.0	86.900 ✓	Floor plastering in C.M. 1:4, 20 mm tk.	406.89	Sqm.	✓ 35358.74
30.0	42.400 ✓	Ellispattern	364.62	Sqm.	✓ 15459.89
31.0	15.600 ✓	Weathering course	3240.81	Cum.	✓ 50556.64
33.0	4268.300 ✓	Plastering in C.M. 1:5, 12 mm tk.	200.75	Sqm.	✓ 856861.23
34.0	127.000 ✓	Plastering in C.M. 1:4, 12 mm tk.	206.59	Sqm.	✓ 26236.93
35.0	932.400 ✓	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	229.08	Sqm.	✓ 213594.19
36.0		Cement mortar Border in C.M. 1:5, 12 mm tk.			

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Sl. No.	Qty.	Description	Rate	Unit	Amount
	129.100 ✓	a. 150 mm wide	63.00	Rmt	✓ 8133.30 ✓
	415.800 ✓	b. 75 mm wide	40.89	Rmt	✓ 17002.06 ✓
	193.900 ✓	c. 50 mm wide	30.40	Rmt	✓ 5894.56 ✓
37.1	946.400 ✓	White washing 3 coats (slaked)	35.14	Sqm.	✓ 33256.50 ✓
39.0	459.000 ✓	M.s Grills	54.50	Kg.	✓ 25015.50 ✓
40.0	129.600 ✓	Painting - New "wood work"	197.58	Sqm.	✓ 25606.37 ✓
41.0	308.200 ✓	Painting - New "iron work"	117.35	Sqm.	✓ 36167.27 ✓
46.0	24.000 ✓	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	✓ 1392.00 ✓
47.0	24.000 ✓	S & F Alu Towel rail 75 cm long	95.00	Each	✓ 2280.00 ✓
48.0	24.000 ✓	S & F 5 pin Coat stand	55.00	Each	✓ 1320.00 ✓
49.0	120.000 ✓	S & F chromium plated 8 guage Picture Hook	1.50	Each	✓ 180.00 ✓
50.3	5.000 ✓	Supply and planting avenue trees	338.71	Each	✓ 1693.55 ✓
50.4	5.000 ✓	Providing Tree guard	757.63	Each	✓ 3788.15 ✓
50.5,	1.000 ✓	Supplying. Fabricating and erection of M.S Scheme Name board	15504.48	Each	✓ 15504.48 ✓
52.0		PVC Water supply (ASTM)			
	75.000 ✓	a. 32 mm dia	209.32	Rmt	✓ 15699.00 ✓
	503.400 ✓	b. 25 mm dia	192.57	Rmt	✓ 96939.74 ✓
52.1	48.000 ✓	G.I Pipe 20mm dia for Hot water line (Fully Concealed in walls)	269.92	Rmt	✓ 12956.16 ✓
59.5, 2	9.000 ✓	Gully Trap using Kiln burnt country bricks 22 x 11 x 7 cm.	1590.84	Each	✓ 14317.56 ✓
60.0	56.000 ✓	PVC Nahani trap (4way/2way)	136.70	Each	✓ 7655.20 ✓
		Electrical arrangements			
69.0	24.000 ✓	15 Amp. Power plug	129.00	Each	✓ 3096.00 ✓
72.0	72.000 ✓	Box type Fibre Fan hook	33.90	Each	✓ 2440.80 ✓

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Sl. No.	Qty.	Description	Rate	Unit	Amount
73.1	12.000 ✓	6 way - D.B.	4016.00	Each	48192.00 ✓
74.0	48.000 ✓	Charges for fixing of "Fan"	467.00	Each	22416.00 ✓
76.0	30.000 ✓	8 SWG wire	21.00	Rmt	630.00 ✓
77.3	36.000 ✓	S&F of TV/Telephone line Socket	76.00	Each	2736.00 ✓
77.4	432.000 ✓	S&F of 20mm dia PVC pipe for TV/Telephone line	72.01	Rmt	31108.32 ✓
78.0	2.000 ✓	Earthing Station IS3043 (Type I)	2588.00	Each	5176.00 ✓
81.0	3.600 ✓	Meter cupboard	2211.57	Sqm	7961.65 ✓
86.0	203.200 ✓	Anti termite treatment	34.00	Sqm.	6908.80 ✓
		ANNEXURE			
6.7.1	9.500 ✓	Brick work in C.M. 1:5 using Fly Ash bricks of size 23 x 11 x 7 cm in Foundation and Basement	5951.66	Cum.	56540.77 ✓
9.7.1		Brick work in C.M. 1:6 using Fly Ash bricks of size 23 x 11 x 7 cm			
	14.000 ✓	a. In Ground Floor	5941.26	Cum.	83177.64 ✓
	14.400 ✓	b. In First Floor	6060.56	Cum.	87272.06 ✓
	14.400 ✓	c. In Second Floor	6179.86	Cum.	88989.98 ✓
	16.300 ✓	d. In Third Floor	6299.16	Cum.	102676.31 ✓
	6.900 ✓	e. In Fourth Floor	6418.46	Cum.	44287.37 ✓
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.)			
	36.300 ✓	b. In Ground Floor	749.58	Sqm	27209.75 ✓
	39.800 ✓	c. In First Floor	762.70	Sqm	30355.46 ✓
	39.800 ✓	d. In Second Floor	775.82	Sqm	30877.64 ✓
	73.900 ✓	e. In Third Floor	788.94	Sqm	58302.67 ✓
	7.300 ✓	f. In Fourth Floor	802.06	Sqm	5855.04 ✓
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.)			

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Sl. No.	Qty.	Description	Rate	Unit	Amount
	12.100 ✓	a. In Ground Floor	504.97	Sqm	6110.14
	12.100 ✓	b. In First Floor	513.32	Sqm	6211.17
	12.100 ✓	c. In Second Floor	521.67	Sqm	6312.21
	12.100 ✓	d. In Third Floor	530.02	Sqm	6413.24
14.2.2		Precast Cupboard slab 20 mm tk.using standardised concrete mix M20 (annexure)			
	40.200 ✓	a. In Ground floor/ stilt floor	1154.68	Sqm.	46418.14
	40.200 ✓	b. In First floor	1158.25	Sqm.	46561.65
	40.200 ✓	c. In Second floor	1161.82	Sqm.	46705.16
	40.200 ✓	d. In Third floor	1165.39	Sqm.	46848.68
14.2.3		Precast cupboard slab 40 mm tk.using standardised concrete mix M20 (annexure)			
	5.000 ✓	a. In Foundation & basement	1281.49	Sqm.	6407.45
	3.500 ✓	b. In Ground floor/ stilt floor	1285.12	Sqm.	4497.92
	3.500 ✓	c. In First floor	1292.27	Sqm.	4522.95
	3.500 ✓	d. In Second floor	1299.42	Sqm.	4547.97
	3.500 ✓	e. In Third floor	1306.57	Sqm.	4573.00
16.1.1		Precast Jally ventilator 50mm tk.using standardised concrete mix M20 (annexure) without vibrating charges			
	7.000 ✓	a. In Ground floor	2310.85	Sqm.	16175.95
	7.000 ✓	b. In First floor	2317.51	Sqm.	16222.57
	7.000 ✓	c. In Second floor	2324.17	Sqm.	16269.19
	7.000 ✓	d. In Third floor	2330.83	Sqm.	16315.81
	4.200 ✓	e. In Fourth floor	2337.49	Sqm.	9817.46
4.4.1		Standardised concrete Mix M20 Grade Concrete			
	84.700 ✓	a. In Foundation and basement	6912.46	Cum	585485.36
8.4.1	53.600 ✓	b. Ground floor/ stilt floor	7002.36	Cum	375326.50
	53.600 ✓	c. In First Floor	7179.36	Cum	384813.70

4306906.09

Sl. No.	Qty.	Description	Rate	Unit	Amount
	53.600 ✓	d. In Second Floor	7356.36	Cum	394300.90
	58.600 ✓	e. In Third floor	7533.36	Cum	441454.90
	17.400 ✓	f. In fourth floor	7710.36	Cum	134160.26
35.1.1	45.900 ✓	Plastering with CM 1:3, 12mm with WPC	224.72	Sqm	10314.65
18.1		Formwork using M.S. Sheet			
	332.200 ✓	a. For Column footings, plinth beam, Grade beam, Raft beam, Raft slab etc.,	664.30	Sqm	220680.46
	1722.000 ✓	b. Plain surfaces such as Roof slab, floorslab, Beams, lintels, lofts, sill slab, staircase, portico slab and other similar works	751.65	Sqm	1294341.30
	734.700 ✓	c. For Square and rectangular columns and small quantities	901.98	Sqm	662684.71
	78.900 ✓	d. Vertical wall	826.82	Sqm	65236.10
21.6.2		R.C.C. Door frames of size 100 x 75mm with one edge grooves size 't' x 20 mm using M20 grade (with out vibrating charges)			
	24.000 ✓	a. 900 x 2100 mm	2195.61	Each	52694.64
22.3.3	27.200 ✓	T.W. frame & TW styles & rails with BWR double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer.	3849.81	Sqm	104714.83
99.1		TW panelled single door shutter with brass fittings.			
	22.200 ✓	b. 1000X2100mm with Brass fittings (Single leaf)	5552.86	Sqm	123273.49
23.1.1	39.500 ✓	TW styles & rails with 9mm thick BWR single leaf shutters with brass screws size of 900 x 2100 mm	3263.68	Sqm	128915.36
21.5.2	37.800 ✓	Supply and Fixing Solid PVC door Shutter with frame	2828.00	Sqm	106898.40
23.2.1	90.000 ✓	4mm thick pin headed Glass panels with Aluminium beddings	688.20	Sqm	61938.00
29.8.1	350.700 ✓	Glazed tiles using Grout (Tile Joint Filler)	1137.78	Sqm	399019.45
29.9.1	68.800 ✓	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler).	1006.15	Sqm	69223.12
38.6	2948.100 ✓	One coat white cement for new walls and other similar works.	48.40	Sqm	142688.04
43.0	35.910 ✓	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.	68782.50	MT	2469979.58

11189024.28

Sl. No.	Qty.	Description	Rate	Unit	Amount
77.6	198.500 ✓	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	43416.00
77.5	80.000 ✓	Run of 2 Wires of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	172.00	Rmt	13760.00
77.7	228.000 ✓	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	42636.00
105.1	120.000 ✓	4 x 4 Sq mm copper PVC insulated unsheathed single core cable for 3 phase EB service connection	221.00	Rmt	26520.00
112.1	12.000 ✓	S & F of Exsaust Fan 225mm dia	1768.00	Each	21216.00
44.2.1		Rain water harvesting using defunct borewell and providing perforated cover slab			
	4.000 ✓	a). Providing pit (M20)	1770.84	Each	7083.36
	12.000 ✓	b) Augering 30cm dia	403.62	Rmt	4843.44
344.2	24.000 ✓	S&F of Bevelled edge mirror 500 x 400 x 5.5mm	375.70	Each	9016.80
383.0	12.000 ✓	S&F of Cuddapah sink 600 x 600 x 200mm	1000.00	Each	12000.00
383.2	58.100 ✓	Providing single nosing to the edges of Granite slab (PWD SRP-42)	191.90	Rmt	11149.39
71.2	14.000 ✓	Supplying and fixing of 32 AMPS Triple pole main switch	2007.00	Each	28098.00
80.1	15.000 ✓	450 x 375 x 20 mm thick TW plank	1170.00	Each	17550.00
87.1	12.000 ✓	Supplying and delivery of Three phase ELCB/RCCB	2870.00	Each	34440.00
796	1494.100 ✓	Plastic Emulsion PAINT including primer for outer walls	190.31	Sqm	284342.17
38.4.1	2869.000 ✓	Two coat of OBD over one coat white cement for inner walls	98.77	Sqm	283371.13
448.2	36.000 ✓	Providing PVC Tee with end cap	109.75	Each	3951.00
367	56.700 ✓	Providing wooden Melamine polish for new wood work	1204.68	Sqm	68305.36
378.2	520.800 ✓	Vitrified Tiles flooring (Ivory)	1081.31	Sqm	563146.25
379.6.1		S & F of Granite tile of size 2'x 1', 10mm Thick For (jet black)			

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Unit	Qty.	Description	Rate	Unit	Amount
Rmt	8.700	a. In Ground floor	1024.17	Sqm	8910.28
	8.700	b. In First floor	1025.94	Sqm	8925.68
	8.700	c. In Second floor	1027.71	Sqm	8941.08
	8.700	c. In Third floor	1029.66	Sqm	8958.04
32.1.3	191.900	Finishing the top of Terrace floor with one course of solar reflective Ceramic tiles with base concrete	1429.98	Sqm.	274413.16
61.1.1		UPVC Non Pressure pipe of SN8 SDR 34 (S 16.5) as per IS 15328/2003			
	50.000	a. 110 mm UPVC Non Pressure pipe	347.52	Rmt	17376.00
	45.000	b. 160 mm UPVC Non Pressure pipe	574.83	Rmt	25867.35
62.1.1		PVC Specials as per IS 10124/1982 Part II			
	6.000	a. 110 mm dia PVC bend (TWAD SR 20.-21 P-19 S.No-4)	160.00	Each	960.00
62.2.1		PVC Equal Tee as per BIS 7834/1975			
	6.000	a. 110 mm dia PVC Equal tee(TWAD SR 20-21 P-19 S.No-9)	199.00	Each	1194.00
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.	2837.95	Each	8513.85
56.4.2	9.000	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.	4449.45	Each	40045.05
57.2	12.000	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP	6100.30	Each	73203.60
54.1.1	36.000	S & F of 15mm dia half turn CP long body tap	452.00	Each	16272.00
54.2.1	24.000	S & F of 15mm dia half turn CP short body tap	404.00	Each	9696.00
87.2	12.000	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 /2020-2021	1830.00	Each	21960.00
100	137.000	Supply and fixing of 9 watts LED bulb (qtn)	81.00	Each	11097.00
102	60.000	Supply and fixing of 4' 18 watts LED Tube Light	635.00	Each	38100.00
104	29.000	Supply and fixing of 12 watts LED bulb (qtn)	170.00	Each	4930.00

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Sl. No.	Qty.	Description	Rate	Unit	Amount
103	29.000 ✓	Supply and fixing of Bulk Head fitting suitable for 12W LED Bulb	462.00	Each	13398.00 ✓
101	6.000 ✓	Supply, fiing of 25W LED street light etc.,	2991.00	Each	17946.00 ✓
56.4.3	96.800 ✓	Supplying and applying of 3mm APP Membrance of approved quality by means of gas torching, over the one coat of bitumen primer (Quotation)	725.00	Sqm	70180.00 ✓
		Total			✓ 15637014.74

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Total