



PROCEEDINGS OF THE COCHIN DEVASWOM BOARD

Estimate for wiring the newly constructed building at Keezhkavu temple, Chottanikkara.

- Read
1. Note from AE (Electrical) dt. 12-02-2024
 2. Note from AEE dt. 12-02-2024
 3. Note from EE dt. 12-02-2024
 4. Decision of DC dt. 14-02-2024

Order on H1. 194/2024 dt. 16-02-2024

As per the papers cited above an estimate of Rs. 4,20,000/- (Rupees Four lakh and twenty thousand only) is passed and sanction is accorded to execute the above work after inviting local quotations.

The sealed quotations should be received in this office on or before 28-02-2024 at 3 P.M. and will be opened at 3.30 P.M. on the same day in the presence of Executive Engineer, Cochin Devaswom Board/higher officials of Cochin Devaswom Board, Thrissur.

The sealed quotations should be addressed to the Executive Engineer, Cochin Devaswom Board, Thrissur and should contain the PAN number of the quotationer.

A copy of the estimate along with notification is herewith forwarded to Devaswom commissioner Devaswom Assistant Commissioner, Chottanikkara for exhibiting in their office Notice boards.

(By Order)

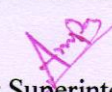
Sd/-

V.K. Ramakrishnan
Assistant Engineer (Electrical)

To

✓ Notice Board, AC- Chottanikkara,
CA to DC, EE, AEE, AE (Electrical),
S.F,

//Approved for issue//


Junior Superintendent

THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION

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PRICE

EST NO:2024/3514

TS Register No: 4403/2023-2024

AS Register No:4578/2023-2024

**Estimate for wiring the newly constructed building at Keezhkaavu
temple,Chottanikara.**

Abstract Estimate

(Dsor year: 2018, Cost Index Applied for this estimate is 36.44%)

1 wiring		
1	1.8.2 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.Group B	
Net Total Quantity		56.000 point
Say 56.000 point @ Rs 908.69 / point		Rs 50886.64
2	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire	
Net Total Quantity		91.000 metre
Say 91.000 metre @ Rs 174.64 / metre		Rs 15892.24
3	1.14.2 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	
Net Total Quantity		141.000 metre
Say 141.000 metre @ Rs 199.20 / metre		Rs 28087.20
4	1.14.10 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 10 sq. mm + 2 X 6 sq. mm earth wire	
Net Total Quantity		55.000 metre
Say 55.000 metre @ Rs 649.45 / metre		Rs 35719.75
5	1.17.3 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required 3 X 1.5 sq.mm	
Net Total Quantity		40.000 metre
Say 40.000 metre @ Rs 64.13 / metre		Rs 2565.20

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6	1.21.1 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.20 mm
Net Total Quantity 85.000 metre	
Say 85.000 metre @ Rs 99.60 / metre Rs 8466.00	
7	1.21.3 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.32 mm
Net Total Quantity 20.000 metre	
Say 20.000 metre @ Rs 110.52 / metre Rs 2210.40	
8	1.21.4 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.40 mm
Net Total Quantity 40.000 metre	
Say 40.000 metre @ Rs 155.54 / metre Rs 6221.60	
9	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch
Net Total Quantity 18.000 each	
Say 18.000 each @ Rs 102.33 / each Rs 1841.94	
10	1.24.4 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet
Net Total Quantity 31.000 each	
Say 31.000 each @ Rs 132.35 / each Rs 4102.85	
11	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch
Net Total Quantity 2.000 each	
Say 2.000 each @ Rs 156.91 / each Rs 313.82	
12	1.24.5 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet
Net Total Quantity 2.000 each	
Say 2.000 each @ Rs 208.75 / each Rs 417.50	

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13	90.10.3.24 Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant)Step Fan regulator - type 2 M	
Net Total Quantity		7.000 each
Say 7.000 each @ Rs 221.90 / each		Rs 1553.30
14	90.16.1.2 Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required2.65 mm copper conductor (12 SWG)	
Net Total Quantity		20.000 metre
Say 20.000 metre @ Rs 45.25 / metre		Rs 905.00
15	1.27.5 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.8 Module (125mmX125mm)	
Net Total Quantity		9.000 each
Say 9.000 each @ Rs 458.44 / each		Rs 4125.96
16	1.28.5 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.8 Module	
Net Total Quantity		9.000 each
Say 9.000 each @ Rs 234.68 / each		Rs 2112.12
17	1.31 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or inrecess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 ampsmodular switch, connection etc. as required. (For light plugs to be used in non residentialbuildings).	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 480.27 / each		Rs 1440.81
18	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden blockincluding connection etc as required.	
Net Total Quantity		35.000 each
Say 35.000 each @ Rs 77.77 / each		Rs 2721.95
19	1.41 Installation, testing and commissioning of pre - wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	
Net Total Quantity		30.000 each
Say 30.000 each @ Rs 200.57 / each		Rs 6017.10

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20	1.27.1 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm)
Net Total Quantity 6.000 each	
Say 6.000 each @ Rs 290.62 / each Rs 1743.72	
21	1.28.1 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.1 or 2 Module
Net Total Quantity 6.000 each	
Say 6.000 each @ Rs 136.44 / each Rs 818.64	
22	od335037/2023_2024 S I T C of 3 watt flat ceiling model LED fittings in ceiling / Junction boxes.
Net Total Quantity 10.000 each	
Say 10.000 each @ Rs 184.92 / each Rs 1849.20	
23	od335038/2023_2024 Supply of single phase 1200 mm sweep 5 star rated Ceiling fan
Net Total Quantity 7.000 each	
Say 7.000 each @ Rs 1818.00 / each Rs 12726.00	
24	od335039/2023_2024 Supply and fixing sintex box and giving connections of cable using backlite/porcelain connectors etc. complete
Net Total Quantity 4.000 Day	
Say 4.000 Day @ Rs 966.48 / Day Rs 3865.92	
25	od335040/2023_2024 Supply and fixing of wall mounting type bulk head fitting including supply of 9 W LED bulb including connection etc. as required. (Make: Philips/Bajaj/CG/ or equivalent)
Net Total Quantity 4.000 each	
Say 4.000 each @ Rs 547.82 / each Rs 2191.28	
26	od335041/2023_2024 Supply of 450 mm, wall fan (metal Leaf) 230v 50 Hz.(make :- Orient- Tornado/CG Torpido or equivalent)
Net Total Quantity 4.000 each	
Say 4.000 each @ Rs 3914.00 / each Rs 15656.00	
27	od335042/2023_2024 Earthing with G.I. earth pipe 2.0 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.
Net Total Quantity 2.000 each	

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Say 2.000 each @ Rs 4486.15 / each		Rs 8972.30
28	90.16.5.2 Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required. 2.65 mm (12 SWG)	
Net Total Quantity		8.000 each
Say 8.000 each @ Rs 25.12 / each		Rs 200.96
29	1.58 Supplying and fixing PVC batten/ angle holder including connection etc. as required.	
Net Total Quantity		6.000 each
Say 6.000 each @ Rs 107.79 / each		Rs 646.74
30	od335043/2023_2024 Supplying and fixing normal size 9/12 W CFL/LED etc. Complete, (Make: Philips/Bajaj/CG/ or equivalent)	
Net Total Quantity		6.000 each
Say 6.000 each @ Rs 185.00 / each		Rs 1110.00
31	od335044/2023_2024 Supply of 1x18/25 w tube light LED fitting suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant, high lumen tube . (Make: Philips/Bajaj/CG/ or equivalent)	
Net Total Quantity		30.000 each
Say 30.000 each @ Rs 280.00 / each		Rs 8400.00
32	od335081/2023_2024 Supplying conveyance and installation of 65/100 W LED high lumen LED, IP 66 street light fitting with aluminum housing, stove enameled CRCA sheet steel reflector cover, acrylic cover complete with THD <10%, power factor >0.98, RoHS compliant, duly wired up for use on 230 V AC supply. on wall /GI post with adjustable bracket including giving connection with 16/0.20 mm 3 core flex wire etc. complete including earthing and all charges.	
Net Total Quantity		4.000 each
Say 4.000 each @ Rs 2886.00 / each		Rs 11544.00
33	od335082/2023_2024 Supplying conveyance and instalaltion of fitting light 20 to 25W LED high lumen LED, IP 66 street light fitting bracket type with aluminium housing, stove enameled CRCA sheet steel reflector cover, acrylic cover complete with THD <10%, power factor >0.98, RoHS compliant, duly wired up for use on 230 V AC supply. on wall /GI post with adjustable bracket including giving connection with 16/0.20 mm 3 core flex wire etc. complete including earthing and all charges.	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 1800.00 / each		Rs 5400.00
34	od335045/2023_2024 Wiring combined plug point in the above system etc. Complete.	
Net Total Quantity		4.000 each

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Say 4.000 each @ Rs 323.00 / each		Rs 1292.00
35	90.12.7.12 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3 core 4 sq mm with factory made clamp	
Net Total Quantity		50.000 metre
Say 50.000 metre @ Rs 178.30 / metre		Rs 8915.00
36	90.12.7.40 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp	
Net Total Quantity		90.000 metre
Say 90.000 metre @ Rs 245.33 / metre		Rs 22079.70
37	9.1.1 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.2 X 6 sq. mm (19mm)	
Net Total Quantity		8.000 set
Say 8.000 set @ Rs 237.41 / set		Rs 1899.28
38	9.1.32 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)	
Net Total Quantity		8.000 set
Say 8.000 set @ Rs 261.96 / set		Rs 2095.68
39	1.57 Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	
Net Total Quantity		4.000 each
Say 4.000 each @ Rs 765.43 / each		Rs 3061.72
40	od335050/2023_2024 Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, 100Amps. 16kA TPN MCCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without 6way Double door as required . (Note : Vertical type MCCB TPDB is normally used when outlets are required.)(Make: L&T/Schneider/Legrand or equivalent)	

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Net Total Quantity		1.000 each
Say 1.000 each @ Rs 6987.03 / each		Rs 6987.03
41	2.3.7 Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator2 + 8 way, Double door	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 2455.92 / each		Rs 2455.92
42	2.5.2 Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (butwithout MCB's and incomer) as required .(Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)8 way (4 + 24), Double door	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 9264.28 / each		Rs 9264.28
43	2.12.1 Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 405.23 / each		Rs 405.23
44	2.14.2 Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 2506.40 / each		Rs 2506.40
45	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 3140.85 / each		Rs 3140.85
46	2.15.3 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps	
Net Total Quantity		1.000 each

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Say 1.000 each @ Rs 3322.31 / each		Rs 3322.31
47	2.10.2 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and natural	
Net Total Quantity		30.000 each
Say 30.000 each @ Rs 650.82 / each		Rs 19524.60
48	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 996.01 / each		Rs 996.01
49	2.13.2 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 amps	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 1002.83 / each		Rs 1002.83
50	2.24.2 Supplying and fixing Cable End Box (Loose Wire Box) (IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required. For 6 way, Double door TPN MCB DB	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 1270.26 / each		Rs 1270.26
51	2.10.4 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole	
Net Total Quantity		6.000 each
Say 6.000 each @ Rs 987.83 / each		Rs 5926.98
52	2.16 Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 1015.11 / each		Rs 3045.33
53	2.17 Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415volts "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	
Net Total Quantity		1.000 each

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Say 1.000 each @ Rs 1371.22 / each		Rs 1371.22
54	2.21 Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 270.15 / each		Rs 810.45
Service Tax @		18.0%
Service Tax Amount		63377.86
Total with Service Tax Amount		415476.86
Lumpsum for round off		4523.14
		TOTAL Rs 420000.00
		Rounded Total Rs 4,20,000
		Rupees Four Lakh Twenty Thousand Only

(Cost Index Applied for this estimate is 36.44%)

Other Engineering Organisations

PRICE