



**PROCEEDINGS OF THE COCHIN DEVASWOM BOARD**  
Rewiring of Thiruvilwamala Assistant Commissioner Office/Oottupura.

- Read
1. Report of DAC Thiruvilwamala on M2. 1072/24 dt. 28-02-2024
  2. Note from AE (Electrical) dt. 20-03-2024
  3. Note from AEE dt. 20-03-2024
  4. Note from EE dt. 20-03-2024
  5. Decision of DC dt. 23-03-2024

Order on H1. 495/2024 dt. 30-03-2024

As per the papers cited above an estimate of Rs. 2,40,000/- (Rupees Two lakh and forty 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 08-04-2024 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, Thiruvilwamala for exhibiting in their office Notice boards.

(By Order)


Sd/-

V.K. Ramakrishnan  
Assistant Engineer (Electrical)

To

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

//Approved for issue//

  
Junior Superintendent

Rewiring of Thiruvilwamala Asst. Commissioner's office and connected Electrics.

## Abstract Estimate

(Dsor year: 2018, Cost Index Applied for this estimate is 35.59%)

1 wiring	
1	1.10.2 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 modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required. Group B
Net Total Quantity	
53.000 point	
Say 53.000 point @ Rs 930.15 / point	
<b>Rs 49297.95</b>	
2	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	
43.000 metre	
Say 43.000 metre @ Rs 63.73 / metre	
<b>Rs 2740.39</b>	
3	1.17.12 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 2.5 sq. mm
Net Total Quantity	
107.000 metre	
Say 107.000 metre @ Rs 89.49 / metre	
<b>Rs 9575.43</b>	
4	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	
110.000 metre	
Say 110.000 metre @ Rs 98.98 / metre	
<b>Rs 10887.80</b>	
5	1.31 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).
Net Total Quantity	
4.000 each	
Say 4.000 each @ Rs 477.28 / each	
<b>Rs 1909.12</b>	
6	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.
Net Total Quantity	
43.000 each	



		Say 43.000 each @ Rs 77.29 / each	<b>Rs 3323.47</b>
7	od366841/2023_2024	Supplying and fixing normal size 9/12 W CFL/LED etc. Complete,(Make: Philips/Bajaj/CG/ or equivalent)	
		Net Total Quantity	5.000 each
		Say 5.000 each @ Rs 185.00 / each	<b>Rs 925.00</b>
8	od367865/2023_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	2.000 each
		Say 2.000 each @ Rs 546.98 / each	<b>Rs 1093.96</b>
9	od366842/2023_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	25.000 each
		Say 25.000 each @ Rs 280.00 / each	<b>Rs 7000.00</b>
10	1.58	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	
		Net Total Quantity	5.000 each
		Say 5.000 each @ Rs 107.12 / each	<b>Rs 535.60</b>
11	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	
		Net Total Quantity	10.000 each
		Say 10.000 each @ Rs 406.77 / each	<b>Rs 4067.70</b>
12	od366843/2023_2024	Supplying conveyance and installation of 23/24/25 upto 50 W LED 100 lumen/wat 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/ G i bracket 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	6.000 each
		Say 6.000 each @ Rs 2795.00 / each	<b>Rs 16770.00</b>
13	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	25.000 each

Say 25.000 each @ Rs 199.32 / each		<b>Rs 4983.00</b>
14	2.3.2 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/Isolator8 way, Double door	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 2092.15 / each		<b>Rs 4184.30</b>
15	2.3.4 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/Isolator16 way, Double door	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 2916.54 / each		<b>Rs 2916.54</b>
16	2.10.1 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	
Net Total Quantity		20.000 each
Say 20.000 each @ Rs 237.28 / each		<b>Rs 4745.60</b>
17	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		2.000 each
Say 2.000 each @ Rs 402.70 / each		<b>Rs 805.40</b>
18	2.12.2 Supplying and fixing following rating, double pole, 240 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 456.94 / each		<b>Rs 456.94</b>
19	2.14.3 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.63 amps	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 3138.91 / each		<b>Rs 3138.91</b>

20	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		2.000 each
Say 2.000 each @ Rs 2490.79 / each		<b>Rs 4981.58</b>
21	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		2.000 each
Say 2.000 each @ Rs 1008.79 / each		<b>Rs 2017.58</b>
22	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		85.000 metre
Say 85.000 metre @ Rs 177.88 / metre		<b>Rs 15119.80</b>
23	od366844/2023_2024 Supply of single phase 1200 mm sweep 5 star rated Ceiling fan	
Net Total Quantity		8.000 each
Say 8.000 each @ Rs 1818.00 / each		<b>Rs 14544.00</b>
24	od366845/2023_2024 Supply and fixing meter box comprising of one number 63 Amps SPN SDF Unit,63 amps neutral link and 1 number 63 amps fuse unit . Meter box should be made out of MS Sheet and provision for fixing energy meter etc. complete.	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 6120.36 / each		<b>Rs 6120.36</b>
25	90.3.18.2 Supply, fabrication, conveyance and fixing the following sizes of B class GI pipe bent to shape / cut and welded to shape and fixing the same to wall / parapet using clamps as noted along with each size, painting with 2 coats of synthetic enamel paint over a coat of zinc chromate primer, making good the damages, colour washing etc as required.32 mm dia with HG company fabricated clamps	
Net Total Quantity		15.000 metre
Say 15.000 metre @ Rs 586.16 / metre		<b>Rs 8792.40</b>

26	90.6.5.11 Supply and drawing the following sizes of multi-core PVC insulated & FRLS PVC sheathed 650/1100 V grade copper conductor round flexible cables conforming to IS 694 part I 1960 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.3 core 1.50 sq mm	
Net Total Quantity		12.000 metre
Say 12.000 metre @ Rs 82.69 / metre		<b>Rs 992.28</b>
27	90.10.1.3 Supply & Fixing the following types/ sizes of boxes suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (RoHS compliant )3 module moulded plastic box on surface	
Net Total Quantity		5.000 each
Say 5.000 each @ Rs 251.18 / each		<b>Rs 1255.90</b>
28	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		5.000 each
Say 5.000 each @ Rs 101.69 / each		<b>Rs 508.45</b>
29	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		5.000 each
Say 5.000 each @ Rs 131.52 / each		<b>Rs 657.60</b>
30	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		6.000 set
Say 6.000 set @ Rs 235.93 / set		<b>Rs 1415.58</b>
31	od366847/2023_2024 Supply and fixing sintex box and giving connections of cable using backlite/porcelain connectors etc. complete	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 691.25 / each		<b>Rs 1382.50</b>
32	od366848/2023_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	3.000 each
		Say 3.000 each @ Rs 4457.56 / each	<b>Rs 13372.68</b>
33	90.16.5.3	Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.3.15 mm (10 SWG)	
		Net Total Quantity	105.000 each
		Say 105.000 each @ Rs 26.98 / each	<b>Rs 2832.90</b>
		Provision for GST payments (in %) @	<b>18.0%</b>
		Amount reserved for GST payments	<b>36603.13</b>
		Total	<b>239954.13</b>
		Lumpsum for round off	<b>45.87</b>
		<b>TOTAL Rs 240000.00</b>	
		<b>Rounded Total Rs 2,40,000</b>	
		Rupees Two Lakh Forty Thousand Only	

(Cost Index Applied for this estimate is 35.59%)

Other Engineering Organisations

**PRICE**