



## PROCEEDINGS OF THE COCHIN DEVASWOM BOARD

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

- Read
1. Note from AE (Electrical) dt. 28-02-2024
  2. Note from AEE dt. 02-03-2024
  3. Decision of EE dt. 02-03-2024

Order on H1. 194/2024 dt. 07-03-2024

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 ~~12~~ 03-2024 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

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

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

| 1 wiring                              |   |                    |
|---------------------------------------|---|--------------------|
| 1                                     | 1.8.2<br>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  |   | <b>Rs 50886.64</b> |
| 2                                     | 1.14.1<br>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  |   | <b>Rs 15892.24</b> |
| 3                                     | 1.14.2<br>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 |   | <b>Rs 28087.20</b> |
| 4                                     | 1.14.10<br>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  |   | <b>Rs 35719.75</b> |
| 5                                     | 1.17.3<br>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   |   | <b>Rs 2565.20</b>  |

|  |   |
|--|---|
| 6  | 1.21.1<br>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 <b>Rs 8466.00</b>  |   |
| 7  | 1.21.3<br>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 <b>Rs 2210.40</b> |   |
| 8  | 1.21.4<br>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 <b>Rs 6221.60</b> |   |
| 9  | 1.24.1<br>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 <b>Rs 1841.94</b>   |   |
| 10   | 1.24.4<br>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 <b>Rs 4102.85</b>   |   |
| 11   | 1.24.3<br>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 <b>Rs 313.82</b>     |   |
| 12   | 1.24.5<br>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 <b>Rs 417.50</b>     |   |



|                                     |  |                   |
|-------------------------------------|--|-------------------|
| 13                                  | 90.10.3.24<br>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   |  | <b>Rs 1553.30</b> |
| 14                                  | 90.16.1.2<br>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 |  | <b>Rs 905.00</b>  |
| 15                                  | 1.27.5<br>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   |  | <b>Rs 4125.96</b> |
| 16                                  | 1.28.5<br>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   |  | <b>Rs 2112.12</b> |
| 17                                  | 1.31<br>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   |  | <b>Rs 1440.81</b> |
| 18                                  | 1.33<br>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   |  | <b>Rs 2721.95</b> |
| 19                                  | 1.41<br>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  |  | <b>Rs 6017.10</b> |

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|                                    |  |             |
|------------------------------------|--|-------------|
| 20                                 | 1.27.1<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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  |

|                                    |  |                    |
|------------------------------------|--|--------------------|
| Say 2.000 each @ Rs 4486.15 / each |  | <b>Rs 8972.30</b>  |
| 28                                 | 90.16.5.2<br>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   |  | <b>Rs 200.96</b>   |
| 29                                 | 1.58<br>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  |  | <b>Rs 646.74</b>   |
| 30                                 | od335043/2023_2024<br>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  |  | <b>Rs 1110.00</b>  |
| 31                                 | od335044/2023_2024<br>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 |  | <b>Rs 8400.00</b>  |
| 32                                 | od335081/2023_2024<br>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 |  | <b>Rs 11544.00</b> |
| 33                                 | od335082/2023_2024<br>Supplying conveyance and instalation of fitting light 20 to 25W LED high lumen LED, IP 66 street lightfitting 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 |  | <b>Rs 5400.00</b>  |
| 34                                 | od335045/2023_2024<br>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    |   | <b>Rs 1292.00</b>  |
| 35                                   | 90.12.7.12<br>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 |   | <b>Rs 8915.00</b>  |
| 36                                   | 90.12.7.40<br>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 |   | <b>Rs 22079.70</b> |
| 37                                   | 9.1.1<br>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      |   | <b>Rs 1899.28</b>  |
| 38                                   | 9.1.32<br>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      |   | <b>Rs 2095.68</b>  |
| 39                                   | 1.57<br>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    |   | <b>Rs 3061.72</b>  |
| 40                                   | od335050/2023_2024<br>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 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs ) 6way Double door as required . (Note : Vertical type MCCB TPDB is normally used where 3 phase outlets are required.)(Make: L&T/Schneider/Legrand or equivalent) |                    |

|                                    |  |                   |
|------------------------------------|--|-------------------|
| Net Total Quantity                 |  | 1.000 each        |
| Say 1.000 each @ Rs 6987.03 / each |  | <b>Rs 6987.03</b> |
| 41                                 | 2.3.7<br>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 |  | <b>Rs 2455.92</b> |
| 42                                 | 2.5.2<br>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 |  | <b>Rs 9264.28</b> |
| 43                                 | 2.12.1<br>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  |  | <b>Rs 405.23</b>  |
| 44                                 | 2.14.2<br>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 |  | <b>Rs 2506.40</b> |
| 45                                 | 2.15.2<br>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 |  | <b>Rs 3140.85</b> |
| 46                                 | 2.15.3<br>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        |



|                                    |   |                    |
|------------------------------------|---|--------------------|
| Say 1.000 each @ Rs 3322.31 / each |   | <b>Rs 3322.31</b>  |
| 47                                 | 2.10.2<br>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 |   | <b>Rs 19524.60</b> |
| 48                                 | 2.13.1<br>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  |   | <b>Rs 996.01</b>   |
| 49                                 | 2.13.2<br>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 |   | <b>Rs 1002.83</b>  |
| 50                                 | 2.24.2<br>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 MCBDB  |                    |
| Net Total Quantity                 |   | 1.000 each         |
| Say 1.000 each @ Rs 1270.26 / each |   | <b>Rs 1270.26</b>  |
| 51                                 | 2.10.4<br>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  |   | <b>Rs 5926.98</b>  |
| 52                                 | 2.16<br>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 |   | <b>Rs 3045.33</b>  |
| 53                                 | 2.17<br>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<br>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                               |
|                                    |   | <b>TOTAL Rs 420000.00</b>             |
|                                    |   | <b>Rounded Total Rs 4,20,000</b>      |
|                                    |   | Rupees Four Lakh Twenty Thousand Only |

(Cost Index Applied for this estimate is 36.44%)

Other Engineering Organisations

PRICE