



PROCEEDINGS OF THE COCHIN DEVASWOM BOARD
Providing AMF panel and Panel boards at Ernakulam Siva temple

- Read 1. Note from AE (Electrical) dt. 13-03-204
2. Note from AEE dt. 13-03-2024
3. Decision of EE dt. 13-03-2024

Order on H1. 2177/2023 dt. 18-03-2024

As per the papers cited above an estimate of Rs. 3,70,000/- (Rupees Three lakh and seventy thousand only) is passed and sanction is accorded to execute the above work after inviting local quotations for the 3rd time.

The sealed quotations from licensed electrical contractor minimum (B-class) should be received in this office on or before 27-03-2024 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, Thripunithura for exhibiting in their office Notice boards.

(By Order)

Sd/-

V.K. Ramakrishnan
Assistant Engineer (Electrical)

To

Notice Board, AC Thripunithura,
DO-Eranakulam,
CA to DC, EE, AEE, AE,S.F,

//Approved for issue//

Junior Superintendent

PRICE

EST NO:2023/24690

TS Register No: 4368/2023-2024

AS Register No:4354/2023-2024

Providing AMF to the DG ,LT Panel Board, earthing and connected electrical works at Ernakulam Siva temple.

Abstract Estimate

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

1 Electrical		
1	90.12.1.43 Supply & laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in ground including excavation of trench of size 35 x 75 cm, refilling the trench etc. as required but excluding sand cushioning and protective covering (in ordinary soil), 4 core 35 sq mm	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 605.38 / metre		Rs 6053.80
2	90.12.1.44 Supply & laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in ground including excavation of trench of size 35 x 75 cm, refilling the trench etc. as required but excluding sand cushioning and protective covering (in ordinary soil), 4 core 50 sq mm	
Net Total Quantity		20.000 metre
Say 20.000 metre @ Rs 687.22 / metre		Rs 13744.40
3	od275146/2023_2024 SITC of the following capacity Distribution panels made of 1.6 mm thick IP 42 duly painted with powder coating fully PVC insulated 4 Nos Aluminium bus bars having current density of 130 A/ sq. cm at nominal current rating in convenient sections and suitable for 415 V, 3 phase, 4 wire, 50 Hz, A.C. supply on wall/ floor and earthing with 2 runs of galvanized iron strips including drilling holes, making connections, providing rain hood etc. as required. Incomer 125A TPN- 1 No, Outgoing-63 A TPN-4 Nos	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 56612.00 / each		Rs 56612.00
4	od275147/2023_2024 AMF PANEL:-Design fabrication, supply, installation, erection testing and commissioning of the following cubicle type fully compartmentalized, dust tight, vermine proof latch & key lockable system, L.T. Switch boards fabricated out of 1.6mm thickness CRCA sheet steel s, powder coated as per standards and having appropriate rating busbars & earth bus and of approved shade. The busbars should be of suitably rated TPN Aluminium having the specified normal and short circuit capacities and should be insulated with heat shrinkable colour coded PVC sleeves and supported by DMC/SMC pillar/finger type busbar supports and two earth bars. Design and fabrication of the switch boards should be as per standards of State electrical inspectorate, K.S.E.B, and Bureau of Indian standards. with the following details Cable entry as per site condition.	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 146163.00 / each		Rs 146163.00

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5	9.1.35 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 35 sq. mm (32mm)	
Net Total Quantity		4.000 set
Say 4.000 set @ Rs 357.96 / set		Rs 1431.84
6	90.12.7.43 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 35 sq mm with factory made clamp	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 416.31 / metre		Rs 4163.10
7	90.12.7.44 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 50 sq mm	
Net Total Quantity		50.000 metre
Say 50.000 metre @ Rs 499.51 / metre		Rs 24975.50
8	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 260.33 / set		Rs 2082.64
9	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		5.000 each
Say 5.000 each @ Rs 996.59 / each		Rs 4982.95
10	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		2.000 each
Say 2.000 each @ Rs 3301.62 / each		Rs 6603.24

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11	9.1.36 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 50 sq. mm (35mm)	Net Total Quantity	4.000 set
		Say 4.000 set @ Rs 394.57 / set	Rs 1578.28
12	9.3.31 Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 35 sq. mm	Net Total Quantity	1.000 each
		Say 1.000 each @ Rs 3518.56 / each	Rs 3518.56
13	9.3.32 Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 50 sq. mm	Net Total Quantity	1.000 each
		Say 1.000 each @ Rs 4116.51 / each	Rs 4116.51
14	90.6.5.12 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 2.50 sq mm	Net Total Quantity	30.000 metre
		Say 30.000 metre @ Rs 109.75 / metre	Rs 3292.50
15	90.16.3.9 Supply and clamping the following size of strips on surface of wall/ parapet/ existing cable tray using clamps fabricated from 20 X 3 mm GI flat duly painted or heavy duty GI spacer saddles spacing of clamps not exceeding 1 m, making good the damages, colour washing etc. as required (for horizontal run)25 x 3 mm copper strip	Net Total Quantity	15.000 metre
		Say 15.000 metre @ Rs 457.47 / metre	Rs 6862.05
16	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	4.000 each
		Say 4.000 each @ Rs 27.03 / each	Rs 108.12

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17	90.16.1.3 Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required 3.15 mm copper conductor (10 SWG)	Net Total Quantity	20.000 metre
		Say 20.000 metre @ Rs 62.85 / metre	Rs 1257.00
18	od278130/2023_2024 Charges for Preparing necessary Schemes for the automation of the existing 45 KVA DG set, submitting to the Electrical Inspectorate , Obtaining approval. Sanction etc (Fees paid will be refunded on submission of original receipts)	Net Total Quantity	1.000 each
		Say 1.000 each @ Rs 12250.00 / each	Rs 12250.00
19	od278131/2023_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 4458.20 / each	Rs 13374.60
		Service Tax @	18.0%
		Service Tax Amount	56370.62
		Total with Service Tax Amount	369540.62
		Lumpsum for round off	459.38
			TOTAL Rs 370000.00
			Rounded Total Rs 3,70,000
			Rupees Three Lakh Seventy Thousand Only

(Cost Index Applied for this estimate is 35.59%)