



Kerala Tourism Development Corporation Limited

(A Government of Kerala Undertaking)
P.B No.5424, Mascot Square, Vikas Bhavan P.O,
Thiruvananthapuram –695 033, Kerala, India
Phone:++91-471- 2721243/45/48, Fax: 2721249
Website: www.ktdc.com

AE(E)1/KTDC.EW-TVM/215/TEH_MNKD-LT/2020

29/12/2021

QUOTATION NOTICE

Sub:- KTDC-Tamarind Easy Hotel, Mannarkkad – Supply, installation, testing and commissioning of new MV panel and related electrical works– Quotation- reg.

Competitive quotations are invited from reputed firms for the supply, installation, testing and commissioning of new MV panel and related electrical works at KTDC-Tamarind Easy Hotel, Mannarkkad as per the attached schedule and following terms and conditions.

<i>Sl No.</i>	<i>Name of Work</i>	<i>PAC</i>	<i>Time of completion</i>	<i>Eligibility</i>
1	KTDC-Tamarind Easy Hotel, Mannarkkad – Supply, installation, testing and commissioning of new MV panel and related electrical works	Rs.4,56,844/-	45 days	Contractors with minimum valid B grade license with valid B grade supervisor permit & wireman permit with minimum scope of 250 kW issued by the Kerala State Electricity Licensing Board and has executed & completed one similar work costing not less than Rs. 3.6 Lakhs in last two years (Copies of license/permits clearly showing validity and details of experience certificate shall be enclosed along with offer).

Terms & Conditions

1. The rate quoted shall be inclusive of GST, cost of materials, labour charges, cost of consumables, loading charges, unloading charges, insurance, other incidental expenses and net for the work at site.
2. No escalation of rates will be allowed under any circumstances.
3. Materials and workmanship for the entire work shall be as per the latest code of practice and standards in force at the time of supply.
4. All the work shall be completed and main panel shall be commissioned within **45 days** from the date of executing agreement.
5. **The Contractor shall have valid B grade contractor license with valid B grade supervisor permit with minimum scope of All LT/ MV electrical installation, issued by Kerala state Electricity Licensing Board.**
6. All Electrical installation / materials used shall be in accordance with the existing

rules and regulations of the Electrical Inspectorate.

7. All details such as operation and maintenance manual, wiring diagram, spare parts list, tool kit etc shall be supplied for releasing final payment.
8. The quantities given in the BOQ may vary as per the site requirement. The payment will be made to the actual quantities of materials used based on unit rates.
9. Necessary testing shall be carried out by the contractor after completion of the work without any additional cost.
10. The contractor has to engage a full time supervisor for the supervision, co-ordination and execution of the work.
11. Payment terms: - 100% payment will be released on full completion of all works at site.
12. The successful quotationer has to execute an agreement on Kerala stamp paper worth Rs.200/- along with a security deposit.

The offer shall reach the office of the Chief Engineer, Kerala Tourism Development Corporation Limited, Mascot Square, Trivandrum on or before **2.30 PM, 14/01/2022** super scribing the name of the work on the cover.

If the last date mentioned falls as a holiday or Harthal, the very next working day will be treated as the last date / opening date.

Vigneshwari V IAS
Managing Director

* This document is digitally approved. Hence physical signature is not required

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF NEW MV PANEL AND RELATED ELECTRICAL WORKS AT KTDC TAMARIND EASY HOTEL, MANNARKKAD - QUOTATION BOQ

Sl No	Qty	Description	Rate	Unit	Amount
1	1	<p>Supply, fabrication, erection, testing and commissioning of cubicle type fully compartmentalised, dust tight, vermin proof, water proof 200 A MV Panel floor/wall mounting type falling to IP 43 category fabricated out of 16 SWG CRCA Sheet Steel painted as per standards with Aluminium Bus bars of suitable size, earth bus of adequate capacity, earth connection to all switches, internal rigid connection etc. including suitable chambers, front open, top cable entry free standing panel consisting of the following as per standards (All switches shall conform to IEC 60947-2 standards).</p> <p>Incoming : 200A 4P MCCB (36 kA) having Thermal and Magnetic release with shunt release - 2 Nos 200A TPN best conductivity Aluminium bus bar with SMC supports, heat shrinkable sleeves etc. as per ISS - 1 set RYB indicators (LED Pilot type) with 2A Control MCB and toggle switches - 1 Set Multifunction Digital Panel meter with communication port to read V, A, F, pf, kW, kVA, kVAR, kWh, kVAh, kVARh, Run hours,MD,On hours, Interrupts, RPM, % Unbalance (V,A), Phase angle, THD. (0-250A) Class 1.0 - 1 No. 200/5A CL 1.0, 10VA Metering CTs - 3 Nos.</p> <p>Auto Mains Failure system including all related accessories and control wiring complete (AMF Relay-C&S EC2 or equivalent)- 1Set. 200A 4 pole Power contactor with 2NO+2NC- 2Nos.</p> <p>Outgoings: 125A, 25kA 4P MCCB having Thermal and Magnetic release - 1Nos. 63A, 25kA 4P MCCB having Thermal and Magnetic release - 5Nos.</p> <p>Supports: The panel shall be supported to ground using framework fabricated out of MS Flats / Angles etc. painted with two coats of Zinc Chromate primer and two coats of enamel paint. The framework shall be firmly supported to ground using suitable cement concrete plinth.</p> <p>The Panel Board shall be provided with 25 x 3 mm copper earth bus for the full length. Painting letters / identifications for the incoming and outgoing switches, cable, fuse sizes, etc. in white enamel paint</p>		Set	

2	1	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)		each	
3	1	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 6 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)		each	
4	1	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 / Isolator) 2+12 way, Double door		each	
5	12	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		each	
6	3	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		each	
7	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		each	
8	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		each	
9	1	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		each	

10	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. 63 amps		each	
11	20	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 16 sq mm with factory made clamp		metre	
12	25	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. 3.5 core 25 sq mm with factory made clamp.		metre	
13	25	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. 3.5 core 35 sq mm with factory made clamp		metre	
14	10	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. 3.5 core 120 sq mm		metre	
15	40	Supply and laying of one number additional PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in ground in the same trench in one tier horizontal formation including widening the trench by 20 cm, refilling the trench etc. as required but excluding sand cushioning and protective covering (in ordinary soil) 3.5 core 120 sq mm		metre	
16	2	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 16 sq. mm (28mm)		set	
17	2	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. 3 1/2X25 sq.mm (28mm)		set	

18	2	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. 3 1/2 X 35 sq. mm (32mm).		set	
19	2	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. 3 1/2 X 120 sq. mm (45mm)		set	
20	1	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required. 6 way (8 + 18) - double cover TPN vertical DB with provision for fixing MCCB as incomer and SP/ TP MCB as outgoing (IP 42/43).		each	
21	1	Supply and providing sub main IP 43 Vertical TPN Double door DB/Load Bank panel including 250A copper bus bar,neutral link ,earth bus and DIN rail suitable for fixing MCCB as incomer and SP/TP MCB as outgoing etc. with suitable Cable entry box fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall, making good the damages, colour washing etc. as required(including closing vacant slots using dummy) 6way		each	
22	1	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 125 Amp,16 KA,TPMCCB		each	
23	3	Supply and providing 63A TP MCB in the vertical DBs		Nos.	
24	2	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, andproviding masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt) as required.		set	
25	50	Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required. 2.65 mm copper conductor (12 SWG)		metre	
26	5	Supply and laying of the following sizes of B class GI pipe laid 0.6 m below ground level including excavating trench of suitable size and refilling etc, as required. 32 mm dia G.I pipe (medium class)		metre	
27	10	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). 20 x 3 mm copper strip		metre	

28	10	Supply and clamping the following sizes of strips on surface of wall / parapet/ existing cable tray using clamps fabricated from 20 x3 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 vertical run). 20 x 3 mm copper strip		metre	
29	10	Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required. 2.65 mm (12 SWG)		each	
30	5	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.		cum	
31	10	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 225 mm width X 50 mm depth X 1.6 mm thickness		metre	
32	1	All statutory, incidental and liasoning charges with KSEB/TMR/ All ststutory bodies in connection with obtaining sanction for power allocation and all related works.		LS	
		TOTAL (inclusive of GST)		Rs.	

LIST OF APPROVED MAKES OF MATERIALS

Sl No	Material	Make
1	Current Transformers	Indcoil, Kappa, AE, C&S
2	Protection Relays	EE, Schneider, L&T, ABB, Essun, AVKSEGC
3	Panel Meters	L & T, Enercon, Rishabh, Krykard, Secure, Elmeasure
4	DB/MCCB/MCB/ELCB	Legrand, Schneider, Siemens, Hager, L&T
5	Push Buttons	L&T, Rass, Teknik
6	Pilot Indication Lamps (LED Only)	L&T, Altos, Rass, Teknik
7	Selector Switches	L&T, Salzer, Kaycee, Teknik
8	LT Cables	Gloster, Nicco, Havells, Finolex, Polycab, RR Kabel
9	LT Cable glands	Baliga lighting Ltd, Commex, Dowels
10	SDFU / SFU / TPN Isolators	L&T, Siemens, Schneider

PRESS RELEASE

KTDC

QUOTATION NOTICE

**NAME OF WORK: SUPPLY, INSTALLATION, TESTING AND
COMMISSIONING OF NEW MV PANEL AT TAMARIND EASY HOTEL,
MANNARKKADU**

LAST DATE OF RECEIPT OF OFFERS 14-01-2022 at 2.30 PM

Quotation documents can be downloaded from www.ktdc.com

Further Details can be had from the office of:

**The Chief Engineer,
Kerala Tourism Development Corporation Limited,
Mascot Square,
Trivandrum - 695 033
Ph-0471-2721243**

Vigneshwari V IAS
Managing Director