



## Kerala Tourism Development Corporation Limited

(A Government of Kerala Undertaking)  
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AE(E)/KTDC.EW-TVM/840-III/TEH-MNKD-DG-Installation/2022

25-05-2022

### **SHORT QUOTATION NOTICE**

Sub:- Electrical works related to installation of supplied 50 kVA DG set at Tamarind Easy Hotel, Mannarkkad and shifting of existing 15 kVA DG set from Tamarind Easy hotel, Mannarkkad to Aahaar Restaurant Sreekrishnapuram including installation, testing & commissioning of the same – Quotation Notice - reg.

Competitive offers are invited from reputed firms for the Electrical works related to installation of supplied 50 kVA DG set at Tamarind Easy Hotel, Mannarkkad and shifting of existing 15 kVA DG set from Tamarind Easy Hotel, Mannarkkad to Aahaar Restaurant Sreekrishnapuram including installation, testing & commissioning of the same – as per the schedule attached and the following terms and conditions,

SI No.	Name of Work	PAC	Time of completion	Eligibility
1	KTDC– Electrical works related to installation of supplied 50 kVA DG set at Tamarind Easy Hotel, Mannarkkad and shifting of existing 15 kVA DG set from Tamarind Easy Hotel, Mannarkkad to Aahaar Restaurant Sreekrishnapuram including installation, testing & commissioning of the same.	Rs.2,81,987/-	30 days	Eligible contractors who have executed two similar works each costing not less than 3 Lakhs in past three years. Proof of valid contract license, supervisor permit and details of experience shall be submitted along with offer.

### **Terms & Conditions**

1. The rate shall be inclusive of GST, duties, loading, unloading charges, transportation, other incidental expenses and net for the work at site. No rate escalation will be allowed under any circumstances.
2. All statutory deductions will be deducted from the bill and exemptions if any shall be

informed with supporting documents.

3. The bidders shall have valid license and required scope demanded by Kerala state Electricity Licensing Board.
4. The work shall be carried out in consultation with the KTDC officials
5. The work shall be completed within 30 days from the date of execution of agreement.
6. The work has to be planned & completed without affecting the normal functioning of the Hotel.
7. All the works are to be carried out with good workmanship as per the latest code of practice in accordance with the rules and regulation of the Kerala State Electrical Inspectorate.
8. Payment Terms-100% payment will be released on full completion of all works at site keeping a retention of 2.5% of the total executed amount as retention for the defect liability period.
9. The successful bidder shall execute an agreement in Kerala stamp paper worth Rs. 200/- with a Security Deposit for the fulfillment of contract. The security deposit will be released on expiry of defect liability period.
10. **The quotations shall be enclosed and submitted in a sealed envelope on which the name of work shall be clearly superscripted. Otherwise the quotations will be summarily rejected.**

The offer shall reach the office of the Chief Engineer, KTDC Ltd., Mascot Square, Trivandrum – 695 033 on or before **08-06-2022, 2.30 PM.**

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

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

**ELECTRICAL WORKS RELATED TO INSTALLATION OF SUPPLIED 50 kVA DG SET AT TEH, MANNARKKAD AND SHIFTING OF EXISTING 15 KVA DG SET FROM TAMARIND EASY HOTEL MANNARKKAD TO AAHAAR RESTAURANT SREEKRISHNAPURAM INCLUDING INSTALLATION, TESTING & COMMISSIONING OF THE SAME-QUOTATION BOQ**

Sl. No.	Qty.	Description	Rate	Unit	Amount
<b>PART-I</b>					
<b>ELECTRICAL WORKS RELATED TO INSTALLATION OF SUPPLIED 50 kVA DG SET AT TEH, MANNARKKAD</b>					
FOUNDATION, CABLING & EARTHING WORKS					
1	3.000	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	
2	2.000	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.		Cum	
3	2.000	Earthing with G.I. earth pipe 3 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt ) as required.		Set	
4	25.000	Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required 6.00 mm copper conductor (4 SWG).		M	
5	40.000	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.		M	
6	2.000	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 1/2X 35 sq. mm (32mm)		Set	
<b>GENERATOR ROOFING</b>					

7	126.319	Steel work in built up G I tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting,fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete		Kg	
8	41.160	Steel work for purlin/single section with G I pipes including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete		Kg	
9	14.701	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+0.05%), total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.		Sqm	
		SCHEME APPROVAL & OPERATING SANCTION			
10	1.000	Preparation and submission of latest scheme drawings to the Electrical Inspectorate including all MV additions recently made and obtaining approval, arranging inspection for entire installation, obtaining sanction orders for the electrical installation, complete (Including all incidental and statutory expenses ).		LS	
		<b>TOTAL-PART A (INCLUSIVE OF GST )</b>			
<b>PART-II</b>					
<b>SHIFTING OF EXISTIG 15 KVA DG SET FROM TAMARIND EASY HOTEL MANNARKKAD TO AAHAAR RESTAURANT SREEKRISHNAPURAM INCLUDING INSTALLATION, TESTING &amp; COMMISSIONING OF THE SAME</b>					
		DISMANTLING AND RE INSTALLATION OF 15KVA DG SET			

1	1.000	Charges for Transportation including loading ,unloading and dismantling of existing 3 Phase 15kVA DG Set and all other related accessories from KTDC Tamarind Easy Hotel,Mannarkkad to RBP Sreekrishnapuram (around 10Km distance) without any damage.		Each	
2	1.000	Installation,testing & commissioning of 3 phase 15KVA DG Set at RBP Sreekrishnapuram including cleaning,servicing and changing of spares if required.		Each	
3	2.000	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	
4	2.000	Excavation for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.		Cum	
5	2.000	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.		Cum	
6	10.000	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). 4 core 10 sq mm		M	
7	5.000	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.		M	

8	4.000	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)		Set	
9	3.000	Earthing with G.I. earth pipe 4.5 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.		Set	
10	50.000	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)		M	
11	10.000	Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required. 3.15 mm (10 SWG)		Each	
12	3.000	Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices & complying to IS 8623.  Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for the fabrication of panel assembly. The measurments will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc. Supply and fabrication of MV panel board using 2.00mm CRCA sheet, powder coated (excluding base		Sqm	

13	<b>8.000</b>	Supply and providing heavy duty 'A' section neoprene gasket in the panel board A' section neoprene beeding suitable for 1.60/ 2.00 mm sheet.		<b>M</b>	
14	<b>10.000</b>	Supply and fabrication conveyance and installation of angle iron frame work for wall mounting panel board.		<b>Kg</b>	
15	<b>1.000</b>	Supply and fixing On load change over switch with handle assembly door inter lock and padlocking arrangement of the following ratings. 63A AC 4 pole on load COS.		<b>Each</b>	
16	<b>1.000</b>	Supply and fixing 63A 2 way Neutral link mounted on DMC/SMC base.		<b>Each</b>	
17	<b>3.000</b>	Supply and fixing 63A 415V back élite Fuse Base existing meter board.		<b>Each</b>	
18	<b>2.000</b>	Supply,installation and testing of LED indicator for all voltage range with Green/red/Yellow colours.		<b>Each</b>	
19	<b>1.000</b>	Supply,installation and testing of LED indicator for all voltage range with Blue colour.		<b>Each</b>	
		<b>GENERATOR ROOFING</b>			
20	<b>126.319</b>	Steel work in built up G I tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting,fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		<b>Kg</b>	
21	<b>47.040</b>	Steel work for purlin/single section with G I pipes including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		<b>Kg</b>	

22	14.701	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+0.05%), total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.		Sqm	
		SCHEME APPROVAL & OPERATING SANCTION			
23	1.000	Preparation and submission of latest scheme drawings to the Electrical Inspectorate and obtaining approval, arranging inspection for entire installation, obtaining operating sanction for 15kVA DG set etc. complete (Including all incidental and statutory expenses ).		LS	
		TOTAL -PART II-(INCLUSIVE OF GST )		Rs.	
		<b>GRAND TOTAL PART (A+B)(INCLUSIVE OF GST )</b>		<b>Rs.</b>	

Sd/  
CHIEF ENGINEER



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

Sd/-

**CHIEF ENGINEER**