



Kerala Tourism Development Corporation Limited

(A Government of Kerala Undertaking)

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GST IN 32AABCK0385J1ZP

AE(E)II/KTDC.EW-TVM/497/RBP-KARTHIKAPALLY/DG Set/2022

30-01-2023

Quotation Notice

Sub: - KTDC – Restaurant and Beer Parlour, Karthikapally, Alappuzha – Supply installation testing and commissioning of 5 kVA Single phase DG Set – reg.

Competitive offers are invited from reputed firms for the Supply, installation, testing and commissioning of 5 KVA Single phase DG set at KTDC- Restaurant and Beer Parlour, Karthikapally as per the schedule attached and the following terms and conditions.

Sl.No.	Name of work	PAC	Time of completion	Eligibility Criteria
1	Supply, Installation, Testing and commissioning of new 5 KVA Single phase DG set including buyback of existing 5 KVA Single phase DG set at KTDC Restaurant and Beer Parlour, Karthikapally, Alappuzha	Rs. 1,60,000/-	20 days	Eligible contractors with required scope/manufacturers or authorized agencies and those who have executed the installation of same or higher capacity DG sets in past three years .Proof of valid contract license and 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 exemption 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. Warranty Terms: The D.G. set as a whole shall have a warranty of minimum one year from the date of commissioning. The date of commissioning will be the date of acceptance after satisfactory installation the warranty.
5. The test certificate, operation manual, manufactures book on the spares, of the engine, engine wiring diagram, control panel wiring diagram etc are to be supplied by the contractor.
6. The work should be carried out in consultation with the KTDC officials
7. The work shall be completed within 20 days from the execution of agreement on stamp paper.
8. The work has to be planned & completed without affecting the normal functioning of the Hotel.
9. 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
10. **The quotations sent through POST, envelope shall be superscribed with term QUOTATION followed by name of work.**
11. Payment Terms- 100% payment will be passed on satisfactory supply, Installation, testing and commissioning of equipment at site.
12. The successful bidder shall need to execute an agreement on Kerala stamp paper with applicable security deposit for the fulfillment of contract.

The offer shall reach the office of the Chief Engineer, KTDC Ltd., Mascot Square, Trivandrum – 33 on or before **10-02-2023, 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.

Vigneshwari V IAS
Managing Director

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

Schedule for the Supply installation testing and commissioning of 5 kVA Single phase DG Set at Restaurant and Beer Parlour at Karthikapally Alappuzha

Sl. No.	Qty	Description	Rate	Unit	Amount
1	1	Supply, Testing and Commissioning of Single phase 5 kVA Diesel-Generator set with acoustic enclosure & inbuilt Generator Control Panel as per CPCB norms suitable for placing in the outdoor with the following specifications.		set	
		Engine			
		Air/ liquid cooled Electric Start engine capable of developing suitable BHP at 1500 rpm with automatic speed regulation of Cummins/Eicher/Ashok Leyland/Kirloskar/Caterpillar conforming to ISO 8528 and ISO 3046/BS:5514 standards.			
		Alternator			
		4 kW Brushless, Self excited, Self regulated alternator suitable for continuous operation at 1500rpm with Automatic voltage regulation system to Generate 1 Phase, 230V +/- 1 % AC 50Hz at 0.8 lag pf Supply, insulation class F/H, dynamically balanced rotor, low THD conforming to BS 5514 & ISO 3046 of Stamford/ Crompton/ KEL/ Kirloskar or make approved by OEM.			
		Acoustic Enclosure			
		Canopy type Accoustic enclosure including air intake / exhaust baffles, sliding doors with suitable hinges, locks etc. for the DG sets using accoustically treated panels housed in 1.6 & 3mm / 0.5mm CRCA / LCMS / HRCA sheet steel section filled with special grade 100 mm Thick 96 kg/m ³ Density Rock Wool, covered with R. P. Tissue Paper and Expanded metal on wall specially designed for optimum sound attenuation with frameworks complete. with inspection lamps, inspection glass window, provision for Cable Entry, control cables, etc. complying with IS 8183			
		Generator Control Panel			
		Dust tight, vermin proof GCP falling to IP43 category fabricated out of 16 / 18 SWG CRCA Sheet Steel painted as per standards of the following specifications			

		<p>(All switches shall conform to IEC 60947-2 standards).</p> <p>The Panel shall be provided suitable rating MCB with O/C & S/C Protection as recommended by OEM, best conductivity busbar with SMC supports, heat shrinkable sleeves etc. capable to handle generator full load current, Suitable rating Class 1.0 Metering CTs per phase as recommended by OEM, multifunction / individual meters to read current, voltages, energy generated (Wh) and cumulative, hours of operation, power factor status, LED indicators (LED Pilot type) with suitable rating control MCB including all necessary control wiring etc. complete as per standards. (Note : - The GCP shall meet all the statutory requirements complied with the Kerala State Electrical Inspectorate)</p> <p>Both Engine & Alternator shall be suitably coupled and mounted on common channel iron base frame with standard accessories such as anti vibration pad, required capacity battery, suitable battery-charger unit with charging arrangements, Suitable Capacity Diesel tank as per OEM standards, residential type silencer, suitable cable termination box etc. complete as per Electrical Inspectorate standards, rules & regulations.</p>			
2	1	Moving the Generator to the foundation, Installation, Testing & Commissioning of the 5 KVA single phase DG Set including giving the existing cable connection to the generator control panel with suitable termination/glands etc complete as required at site		LS	
3	1	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.		No.	
4	20	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	
5	4	Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required. 3.15 mm (10 SWG)		Nos.	
6	20	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed		m	

		medium class PVC conduit as required 2 X 4 sq. mm + 1 X 4 sq. mm earth wire.			
7	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 A		Nos.	
8	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		No.	
9	1	Supply & Providing Outdoor Weatherproof Junction Box (size 200 x 180 mm) including suitable connector bar / DIN rail suiting to Control MCB as required etc complete (For fixing of double pole isolator)		No.	
10	1	Less amount for Buyback of the existing 5 KVA single phase DG Set at Site (Not in working condition but repairable) (Make: - Kirloskar)		No.	
		Total (inclusive of GST & freight)		₹	

Vigneshwari V IAS
Managing Director