



Kerala Tourism Development Corporation Ltd
(A Government of Kerala Undertaking)
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AE(E)II/KTDC.EW-TVM/226/AAHAR-MNDKM&NLPR /DG Set/2021

08-04-2021

SHORT QUOTATION NOTICE

Sub: - KTDC – Supply, Testing and Commissioning of 20 kVA DG set at KTDC- AAHAR Restaurant, Mundakayam and Nellappara-Quotation Notice-reg.

Competitive offers are invited from reputed firms for the Supply, Testing and Commissioning of 20 kVA DG Sets at KTDC- AAHAR Restaurants at Mundakayam and Nellappara as per the schedule attached and the following terms and conditions.


Sl.No.	Name of work	Time of completion	Eligibility Criteria
1	Supply , Testing and Commissioning of 2 Nos. of 20 kVA DG sets one each at KTDC AAHAR Restaurant at Mundakayam and Nellappara	30 days	Eligible contractors who have executed two similar works each costing not less than 3.5 Lakhs in past three years. Proof of valid contract license and supervisor permit and details of experience shall be submitted along with offer OR Authorized sales dealers of the concerned approved makes as specified and have supplied & commissioned two similar or higher capacity DG sets in the last 3 Years. The details experience shall be submitted along with the 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 each 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 approved make of the machines are mentioned in the BOQ
- 4) The Generator shall have all the specifications as per the BOQ.
- 5) The offer shall contain all technical specification/catalogue of the items specifying brand name/manufactures name/OEM etc. complete.


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- 6) Offer validity period, time of delivery, payment condition etc. are to be clearly specified along with the offer.
- 7) The after sales service facility, guarantee conditions etc is to be given along with the offer.
- 8) 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 and test run there will not be any sanctity for the date of supply of the equipment for calculating the warranty.
- 9) The set shall be supplied with standard tools and accessories and operation manuals of the set.
- 10) The set will be supplied, installed commissioned and tested for minimum of 3 hours. The cost of diesel, lubricating oil, engine oil etc. shall be met by the bidder.
- 11) 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.
- 12) The control panel supplied shall be as per Kerala State Electrical Inspectorate standards.
- 13) The work shall be carried out in consultation with the KTDC officials
- 14) The work shall be completed within **30 days** from the execution of agreement on stamp paper.
- 15) The work has to be planned & completed without affecting the normal functioning of the Hotel.
- 16) 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.
- 17) Payment Terms-100% payment will be released on full completion of all works at site.
- 18) The successful bidder shall execute an agreement in Kerala stamp paper worth Rs. 200/- with a Security Deposit of 3% of contract value for the fulfillment of contract. The security deposit will be released on expiry of defect liability period.
- 19) **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 **19-04-2021, 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.


MANAGING DIRECTOR

**SUPPLY, TESTING & COMMISSIONING OF 20 KVA DG SET AT KTDC-AAHAR RESTAURANT,
MUNDAKAYAM- BOQ**

Sl No	Qty	Description	Rate	Unit	Amount
1	1	<p>Supply, Testing and Commissioning of 3 phase 20 kVA Capacity Diesel-Generator set with acoustic enclosure & inbuilt Generator Control Panel as per CPCB norms suitable for placing in the outdoor with the following specifications.</p> <p><u>Engine</u></p> <p>Water / liquid cooled, Radiator type, 4 Stroke Electric Start engine capable of developing suitable BHP at 1500 rpm with automatic speed regulation of Cummins / Kirloskar/ leyland/ Caterpillar/ Volvo confirming to ISO 8528 and ISO 3046/BS:5514 standards.</p> <p><u>Alternator</u></p> <p>16 kW Brushless, Self excited, Self regulated alternator suitable for continous operation at 1500rpm with Automatic voltage regulation system to Generate 3 Phase, 4 Wire 415V +/- 1 % AC 50Hz at 0.8 lag pf Supply, insulation class F/H, 2/3 pitch, double layer lap wound stator winding, dynamically balanced rotor, low THD conforming to BS 5514 & ISO 3046 of Stamford / Crompton/ KEL/ Kirloskar or make approved by OEM</p> <p><u>Accoustic Enclosure</u></p> <p>Canopy type Accoustic enclosure including air intake / exhaust baffles, 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/m3 Density Rock Wool, covered with R. P. Tissue Paper and Expended 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 to IS 8183</p> <p><u>Generator Control Panel</u></p>		set	



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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 (All switches shall confirm to conforming to IEC 60947-2 standards).

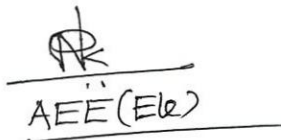
The Panel shall be provided with Digital Engine Controller unit suitable for integration to AMF Relay system, suitable rating MCCB/MCB with O/C & S/C Protection as recommended by OEM, TPN best conductivity busbar with SMC supports, heat shrinkable sleeves etc. capable to handle generator full load current, Suitable rating Class 1.0 Metering CTs per phase as recommended by OEM, multifunction / individual meters to read current in each phase, line to line and phase voltages, energy generated (Wh) per phase and cumulative, hours of operation, powerfactor status, RYB Phase 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)

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.

The DG Control Panel shall be compatible for Auto mains failure system.

Total (Inclusive of all taxes)


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08/06/2020



**SUPPLY, TESTING & COMMISSIONING OF 20 KVA DG SET AT KTDC-AAHAR RESTAURANT, NELLAPPARA-
BOQ**

Sl No	Qty	Description	Rate	Unit	Amount
1	1	<p>Supply, Testing and Commissioning of 3 phase 20 kVA Capacity Diesel-Generator set with acoustic enclosure & inbuilt Generator Control Panel as per CPCB norms suitable for placing in the outdoor with the following specifications.</p> <p><u>Engine</u></p> <p>Water / liquid cooled, Radiator type, 4 Stroke Electric Start engine capable of developing suitable BHP at 1500 rpm with automatic speed regulation of Cummins / Kirloskar/ leyland/ Caterpillar/ Volvo confirming to ISO 8528 and ISO 3046/BS:5514 standards.</p> <p><u>Alternator</u></p> <p>16 kW Brushless, Self excited, Self regulated alternator suitable for continous operation at 1500rpm with Automatic voltage regulation system to Generate 3 Phase, 4 Wire 415V +/- 1 % AC 50Hz at 0.8 lag pf Supply, insulation class F/H, 2/3 pitch, double layer lap wound stator winding, dynamically balanced rotor, low THD conforming to BS 5514 & ISO 3046 of Stamford / Crompton/ KEL/ Kirloskar or make approved by OEM</p> <p><u>Accoustic Enclosure</u></p> <p>Canopy type Accoustic enclosure including air intake / exhaust baffles, 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/m3 Density Rock Wool, covered with R. P. Tissue Paper and Expended 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 to IS 8183</p> <p><u>Generator Control Panel</u></p>		set	

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	<p>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 (All switches shall confirm to conforming to IEC 60947-2 standards).</p> <p>The Panel shall be provided with Digital Engine Controller unit suitable for integration to AMF Relay system, suitable rating MCCB/MCB with O/C & S/C Protection as recommended by OEM, TPN 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 in each phase, line to line and phase voltages, energy generated (Wh) per phase and cumulative, hours of operation, powerfactor status, RYB Phase 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> <p>The DG Control Panel shall be compatible for Auto mains failure system.</p>			
	Total (Inclusive of all taxes)			

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