

PRESS RELEASE

KERALA TOURISM DEVELOPMENT CORPORATION LIMITED,
TRIVANDRUM

QUOTATION

NAME OF WORK: Supply, Testing and Commissioning
of 82.5 KVA DG Set at KTDC-Ripple Land, Alappuzha

LAST DATE FOR SUBMISSION OF OFFERS: - 28-05-2020 2.30 PM

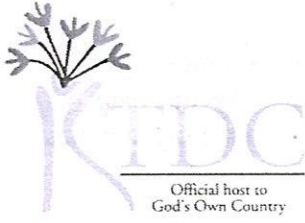
Quotation documents can be downloaded from www.ktdc.com

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




MANAGING DIRECTOR
Kerala Tourism Development Corporation Ltd.





Kerala Tourism Development Corporation Ltd

(A Government of Kerala Undertaking)

Engineering Wing, Mascot Square, Thiruvananthapuram -695 033

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E-mail: chiefengineer@ktdc.com website: www.ktdc.com

CE/KTDC.EW-TVM/374/RL-ALP-DG SET/2020

21-05-2020

Short Quotation Notice

Sub: - KTDC-Ripple Land, Alappuzha – Supply, testing and commissioning of 82.5 kVA DG Set – reg.

Competitive offers are invited from reputed firms for the Supply, testing and commissioning of 82.5 kVA DG Set at KTDC- Ripple Land, Alappuzha as per the schedule attached and the following terms and conditions.



Terms & Conditions

- 1) The rate shall be inclusive of GST, duties, loading and 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 Materials used for the work should be from the attached approved list of make of materials and any other shall be get approved from the Engineer in charge of the work before releasing the same to site
- 4) The Generator shall be supplied with 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.
- 6) The offer shall be valid for 60 days from the last date of submission.
- 7) **The work shall be carried within 10 days from the date of execution of agreement since this being an urgent work.**
- 8) 100% payment will be passed on satisfactory supply, testing and commissioning of equipments at site.
- 9) The after sales service facility, guarantee conditions etc is to be given along with the offer.

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- 10) **Warranty Terms:** The D.G. set as a whole shall have a warranty for minimum of two years 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.
- 11) The set shall be supplied with standard tools and accessories and operation manuals of the set.
- 12) The set will be supplied, installed commissioned and tested for minimum of 6 hours. The cost of diesel, lubricating oil, engine oil etc. shall be met by the bidder.
- 13) The test certificate, operation manual, manufactures book on the spares, of the engine, engine wiring diagram, control panel wiring diagram (including the test certificates of the relays and breakers etc) are to be supplied by the contractor.
- 14) The control panel supplied shall be as per Kerala State Electrical Inspectorate standards.
- 15) The leaflet bearing the complete technical specifications of the product shall be enclosed along with the offer.
- 16) The successful bidder shall execute an agreement with a security deposit (5% of the contract value) on Kerala stamp paper worth Rs 200/-. The security deposit will be released on expiry of defect liability period.

The offer shall reach the office of the Chief Engineer, KTDC Ltd., Mascot Square, Trivandrum – 33 on or before **28-05-2020, 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 AND COMMISSIONING OF 82.5 kVA DG SET AT KTDC - RIPPLE LAND
ALAPPUZHA - QUOTATION BOQ**

Sl No	Qty	Description	Rate	Unit	Amount
1.1		82.5 kVA DG SET			
		<p>3 phase Diesel-Generator set with acoustic enclosure as per CPCB norms suitable for placing in the outdoor with the following specifications.</p> <p><u>Engine</u> 110 HP Water / liquid cooled, Radiator type, turbo charge aspirated 4 Stroke Electric Start engine with automatic speed regulation / digital engine governing system of Cummins / Kirloskar or equivalent make.</p> <p><u>Alternator</u> 66kW Brushless, Self excited, Self regulated alternator suitable for continuous operation at 1500 rpm consisting of space heater with thermostat and auto cut-off 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 equivalent make.</p> <p><u>Acoustic Enclosure</u> Canopy type Acoustic 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/m3 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,</p> <p><u>Generator Control Panel</u> 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 conform to IEC 60947-2 standards).</p>			



Chief Engineer

The Panel shall be provided with Digital Engine Controller unit suitable for integration to AMF Relay system, suitable rating MCCB 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, Stand by Low set EF Relay, Suitable rating 5P10 protection class Neutral CT as recommended by OEM, 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 standards and norms prescribed by the Kerala State Electrical Inspectorate)

Standard accessories

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 from direct mains, 185 Litres or as per OEM standards Capacity Diesel tank, residential type silencer, suitable cable termination box etc. complete as per Electrical Inspectorate standards, rules & regulations.

The DG Control Panel shall be compatible for PLC based Auto Load sharing / Auto mains failure system employed in the Main Panel.



	1	82.5 kVA DG SET (Quote for Supply and delivery at site inclusive of GST & freight)		Set	
		TOTAL (Inclusive of GST)			

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AEE(EU)

PCB
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21/05/2020

LIST OF APPROVED MAKES OF MATERIALS		
SI No	Material	Make
1	DG Set	Cummins Powerica, Kirloskar Oil Engines, Caterpillar, Cooper Corp, Volvo
2	Current Transformers	Indcoil, Kappa, AE, C&S
3	Protection Relays	EE, Schneider, L&T, ABB, Essun, AVKSEGC
4	Panel Meters	L & T, Enercon, Rishabh, Krykard, Secure, Elmeasure
5	MCCB/MCB	Legrand, Schneider, Siemens, Hager, L&T
6	Push Buttons	L&T, Rass, Teknik
7	Pilot Indication Lamps (LED Only)	L&T, Altos, Rass, Teknik
8	Selector Switches	L&T, Salzer, Kaycee, Teknik



P.K BABU
CHIEF ENGINEER

(Handwritten signature in blue ink)