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Manufacturing Units

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Annexure A: Technical Specification/Scope of Supply

Annexure B: Specification of KOEL Green Acoustic Enclosure

Annexure C: Commercial Terms & Conditions



KALA GENSET PVT LTD
Toll Free No:- 1800 123 0018
www.kalabiz.com



Ref No - QTN/21-22/07005548

23-October-2021

To
Uber INC
Wakad, Pune.

Kindly Att:- Dear Sir,

Sub : Offer for the Supply of 200 kVA Three Phase KOEL Green DG Set confirming to Latest CPCB regulations.

Dear Sir,

We thank you for your valued enquiry and the interest shown in KOEL Green Genset.

‘**KOEL Green**’ is the world’s leading and most preferred Genset brand in India offering the widest range of power ratings. KOEL Group has a strong lineage of over 133 years of rich engineering history. Today the group has a net worth of over INR 6000 Crs having its presence in various parts of the world.

KOEL Diesel Engines are used as prime movers in different applications such as D.G.Set, Earth Moving, Tractors, Industrial Pumpset, Fire Fighting Pumpset, Cold Storages, Rice Mills and many other applications.

KOEL is a major player globally, specialized in both Air-Cooled and Water-Cooled Engines, Petrol Generating sets with power output from 2.1 kW to 4 kW and diesel generating sets with power output from 3 kVA to 5200kVA.

Over 50,000 establishments/businesses from different sectors such as Manufacturing, Service, Software, Construction and Infrastructure are powered by ‘KOEL Green’ Gensets annually.

KOEL provides reliable and high-quality products at a competitive pricing.

KOEL has the widest service network with more than 360 service outlets across the country backed with trained and efficient service engineers. We offer single window service for the entire Genset (Engine, Alternator, Canopy and Control Panel) and also offer Customized AMCs & CMCs to suit our esteemed Customer requirements.

KALA GENSET Source of Power



We KALA GENSET PVT LTD is the leading Authorized GOEM of Kirloskar Oil Engines Ltd. for the sale of KOEL Green DG sets in the range of 2.1 kVA to 1010 kVA in a single configuration and in multiple sets configuration for higher Power requirements.

We offer end to end power solutions to our valued customers that include:

- 1) Pre-sales counseling on Genset selection, Genset Sizing, Site Selection, Load Analysis.
- 2) Assessment of optimal power needs.
- 3) Delivery, on site Installation and Commissioning.
- 4) Assistance for compliance with Statutory requirements.
- 5) Onsite training for operation & maintenance.

We also undertake supply of multiple Gensets in Synchronization and turnkey projects for higher power requirements. We offer need specific customized need Control Panels for operating Gensets in AMF, Synchronizing, Grid Power Synchronizing and Distribution.

We also supply mobile DG sets, Gensets operating on alternate fuels such as Bio Diesel, Bio gas and Natural gas.

We are pleased to enclose herewith our detailed Techno - Commercial offer of "KOEL Green DG set" and brochure for your persuasion & consideration with following annexure:

- Annexure A: Technical Specifications/Scope of Supply
Annexure B: Specification of KOEL Green Acoustic Enclosure
Annexure C: Commercial Terms & Conditions

We trust you would find the same in line with your requirements. We welcome any clarification sought pertaining to the subject. We look forward to establish a long term business association with you and await your favorable response.

Thanking you and assuring you of our best attention at all times.

Yours sincerely,

Vasant Jadhav

For KALA GENSET PVT.LTD.

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ANNEXURE "A"

TECHNICAL SPECIFICATION OF 200 kVA THREE PHASE KOEL GREEN DIESEL GENERATING SET

A) DIESEL ENGINE:-

KOEL Make Diesel Engine Model 6SL1500TA G2 , Six Cylinders Inline, Liquid Cooled, Turbocharged with After Cooled, Developing 248 bhp @ 1500 RPM . Engine is with Electric Start, Compression Ignition, 4 Stroke Cycle, Designed to run continuously at 1500 RPM . It confirms to IS 10002, ISO-3046, BS 5514 standards. All Diesel Engines are comply with latest CPCB norms. The Diesel Engines are comprising of followings: -

- Radiator with Fan
- Fuel Injection equipment with Electronic Governor
- Dry type Air Cleaner
- Exhaust Silencer
- Lube Oil filter (Spin On Type)
- Fuel Oil filter (Spin On Type)
- 24V Electric starting system
- Battery charging alternator
- Stop Solenoid
- Lube Oil pressure Gauge
- Water Temperature Gauge
- Lube Oil temperature Gauge
- Battery Voltage
- K - Cool Super Plus coolant
- First Fill Lube Oil

B) ALTERNATOR:-

"KOEL GREEN" make Alternator, suitable for continuous duty operations rated at 1500 RPM 415 V, 0.8 PF, 50Hz, 3Ph. in SPDP Enclosure, Self- Excited & Self- regulated, Brush less, 'H' class Insulation, Floor mounted with anti friction Shielded Ball Bearing on end. The alternator conforms to IS: 4722, BS EN 60034-1 suitable for tropical conditions.

C) BASE FRAME:-

Suitable to couple above Engine & Alternator made from steel sheet metal.

D) FUEL TANK:-

8 Hrs Capacity for continuous running, with Diesel fuel Inlet & Outlet, Air Vent & Drain plug arrangements.

E) BATTERY:-

2 Nos.12 V Battery with Leads

F) STANDARD GENSET CONTROLLER UNIT WITH CONTROL PANEL:-

KOEL Genset Controller unit with totally enclosed, Steel Construction Control Panel suitable for indoor floor / wall mounting installation having following safeties and display parameters:

Gen-set Display Parameters	Engine Display Parameters	Electrical Safeties (along with Display)	Mechanical Safeties (along with Display)
Phase Voltage	Lube Oil Pressure	Genset Under/Over voltage	Phase Voltage
Line current	Engine Temperature	Under/Over Battery voltage	Low Lube oil pressure
Frequency	Fuel Level Status	Under/Over Frequency	High Lube oil Temperature
Average Voltage	Engine speed	Phase Failure	High engine coolant temperature
Average Current	Battery Voltage, Minimum Battery Voltage	Phase sequence reverse	Low coolant level
Phase kW & Total kW	Lube Oil Temperature	Over Current	Low Fuel Level
kWH	Engine Hours	Over kW	Start/Stop fail
kVA	No. of Starts	High Earth Current	Battery Charging Alternator fail
kVAR			
PF			
Earth Leakage Current			

ANNEXURE "B"

TECHNICAL SPECIFICATION OF KOEL GREEN ACOUSTIC ENCLOSURE CONSTRUCTION

Followings are some technical features of Acoustic Enclosure:-

- 1) The Enclosure is modular in construction.
- 2) Base Frame is made of Sheet metal.
- 3) Durable industrial locking system is provided on Doors.
- 4) Door Gaskets are made in high quality EPDM material.

CORROSION RESISTANCE:-

To make the Enclosure weather proof:-

- 1) All sheet metal parts/components are hot dipped in seven tanks process, Pretreated and Passivated.
- 2) Sheet metal components are with Pretreated and Passivated Base Powder Coated.
- 3) Base Frame is Epoxy Coated/Powder Coated.
- 4) Zinc Passivated Hardwares are used to avoid rusting.

ACOUSTIC INSULATION:-

- 1) Sound proofing of the Enclosure is done with Quality Rockwool confirming to IS:8183 Standard.
- 2) Acoustic foam shall be fire retardant and fire resistant.
- 3) Attenuates are provided to control sound at entry and exit of container.
- 4) Specially designed Residential Silencer is provided.

VENTILATION AND AIR CIRCULATION:-

Exhaust pipe inside Enclosure is thoroughly insulated by Cladding of Rock wool and Sheet.

ELECTRICAL:-

Neutral Body Earthing points at the sides of enclosure are isolated through Moulded compound.

SAFETIES:-

Emergency Push button to Stop the DG set from outside, Low Fuel oil level, Low Lube oil pressure, Low Coolant Level, High Engine Temperature.

R&D:-

Our R & D department is constantly engaged in the Product Development for keeping pace with world's latest technology to give customers value for money in form of improvements. The canopies being offered are for output of Noise Level ≤ 75 dbA at a distance of 1-meter average, as per the CPCB Latest Norms.

ANNEXURE "C"

No	Description	Qty	Unit Price (Rs.)	Amount
1	<p>Diesel Generating Set 200 kVA 3 Phase comprising of “KOEL” make Engine , Model 6SL1500TA G2 Water Cooled producing 248 BHP @ 1500 RPM coupled with “KOEL Green” make Alternator , mounted on a Base Frame.</p> <p>Along with:-</p> <ul style="list-style-type: none"> > STD Control Panel > Fuel tank > Battery with leads > First fill of oil > Engine safeties & protections > Anti vibration mounting pads <p>Acoustic Enclosure suitable for 200.00 kVA DG Set.</p> <p>Latest CPCB Norms.</p>	1.00	1,135,000.00	1,135,000.00
2	Transportation charges			10,000.00
3	Total Amount			1,145,000.00
4	GST @18%			206,100.00
5	Grand Total			1,351,100.00

T&C for ITC if awarded to us:

- Lay out of the DG set should be as per installation guidelines and it should be such that DG will have sufficient ventilation and light.
- The prices quoted are on unit rate basis and the final price shall be charged on the basis of actual measurements at site.
- Unloading considered at ground level only. Vehicle & crane shall have clear access till the foundation.
- Manual unloading, shifting or placement /shifting other than Ground level rates shall get suitably revised.
- We have not considered any statutory approval in our current scope and the same can be done at extra cost.
- Any other items than the quoted above are required for satisfactory completion of the work can be supplied and installed at mutually agreed rates.
- Excavation for foundation and Earthing pits is considered to be in soft / normal soil only , in case of hard and rocky soil our rates shall get revised.

EXCLUSIONS :

- First fill of Diesel / Diesel for commissioning and the required Load.
- Any other Civil work than the Foundation Block and the Earthing Pits. if ITC order is placed on us.
- Cable trays for laying of cables if required.
- Cabling from DG. panel to your main Panel LT/HT Panel.
- Safety equipments like rubber mats, safety boards, fire buckets and fire extinguishers etc.
- Any thing that is not mentioned above but is required to make the installation complete for running of the D.G.Set.

REQUIREMENTS FROM CUSTOMER :

- Customer will provide recent Electricity Bill Copy required for PWD approval.
- In case of Roof Top Installation structural analysis report to be furnish.
- Providing water and electricity free of cost at one point near the DG set for carrying out the installation activity at site.
- Storage and Security of the equipment and installation material till handing over of the site

COMMERCIAL TERMS & CONDITIONS**GST :-**

GST Included

FREIGHT :-

Transportation Included

TRANSIT INSURANCE :-

Customer shall arrange the transit insurance of the equipment from our works up to the destination.

GOVT. LEVIES :-

Any entry tax or any such Govt. charges, levy applicable at the entry point of the destination will be to your account & paid by you directly.

VALIDITY :-

Our offer shall remain valid or 7 days from the date of issue and would be subject to our confirmation in writing thereafter.

DELIVERY :-

Within 2 to 3 week from the date of receipt of your Techno-commercially clear & firm Purchase Order along with advance for Standard Genset Only, subject to Force Majeure condition and unforeseen delay beyond our / suppliers

PAYMENT :-

30 % advance along with the Purchase Order & balance 70 % against our Performa Invoice before dispatch.

WARRANTY:-

The warranty is for 24 months or 5000 hours of operation whichever is earlier from the date of commissioning, subject to use of Kirloskar K Oil Super, Kirloskar genuine filters, K cool super plus and services sourced through KOEL authorized Service Dealer. This warranty shall be govern by Kirloskar Oil Engines warranty Policy. Other terms & conditions for warranty shall be as per our Company Standard Warranty Policy.

ORDER PLACEMENT :-

For Supply of Genset Purchase Order to be released in favor of Kala Genset Pvt Ltd., where as for all Installation Jobs (Supply of Installation Materials and Labor Job both) Purchase order to be released in favor of Kala Genset Pvt. Ltd.

- 1) All orders are subject to our Order Acceptance in writing.
- 2) All offers and orders are subject to the General Terms & condition of sale.
- 3) Any amount received as advance from the Customer / Purchaser is for mobilization of the order & will not attract any interest there on.
- 4) All disputes and / or differences arising out of the order / Contract against our Offer shall be referred to Arbitration under Arbitration & Conciliation ACT 1996 And/or any statutory modification in force thereof and such Arbitration are Subject to Pune Jurisdiction.
- 5) Cancellation Charges: If purchase order is cancel by the customer, cancellation Charges will be applicable @ 15% of the basic order price for all items of 15KVA to 250KVA. For all items of ratings above 251 KVA, it will be @ 1% of the order price.

The collage features a wide array of logos, including:

- Corporate & Industrial:** Mercedes-Benz, GM, Tata, Mahindra, Bharat Forge, L'Oréal, BEHR, Levi's, Cipla, Endurance Technology, IndianOil, Camlin, DAIKIN, Airtel, AT&T, BPL, BSNL, Reliance, Vodafone, Motorola, NOKIA, ESSAR, info sys, VERITAS, symantec, IBM, WIPRO, bharti, Raymond, LIC, Central Bank of India, ICICI Bank, IndusInd Bank, Punjab National Bank, Union Bank of India, Medinova, Oriental Bank of Commerce, Federal Bank, SBI, and Axis Bank.
- Healthcare & Education:** Apollo Hospitals, LifeLine, Global Hospitals, Niramaya Hospitals, Warkem Biotech, Sai Pooja Agro, CL, ASTAR, SAIPRO, Kirtan, SGPL, Ambekar University, JGI, VITS, and various medical and educational institutions.
- Other Notable Logos:** Pizza Hut, Thejas Cook, PNC, Coca-Cola, Red Bull, Vodafone, LIC, and many others.