

KDGS D NAME: COLLEFF SYSTEMS

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Date:-07/05/2022

TO,
Apegaon Agro
Paithan AURANGABAD.

Dear Sir,

Sub: Proposal for the Supply of 62.5Kva KOEL (Kirloskar) IGreen DG set confirming to CPCBII norms.

At the outset, we thank you for your valued enquiry and the interest shown by you in Kirloskar IGreen DG Set.

KIRLOSKAR OIL ENGINE LTD. is today the leading of Gen-sets in the range of 5 kVA – 1010 kVA in a single configuration and multiple sets for higher kVA requirements. We are authorized Gen-set Original Equipment manufacturers of Kirloskar Oil Engines Ltd. for manufacturing Kirloskar Green DG sets and **COLLEFF SYSTEMS** is Authorized "**KDGS D**" (Dealer) for Kirloskar Green Silent DG sets.

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

Today Kirloskar IGreen is most preferred brand in Indian market with widest range of power rating. We are pleased to enclose herewith our detailed Techno - Commercial offer of "Kirloskar IGreen DG set" and brochure for your persuasion & consideration with following annexure:

Annexure A: Technical Specifications/Scope of Supply
Annexure B: Specification of Kirloskar IGreen Acoustic
Annexure C: Commercial Terms & Conditions

We trust you would find the same in line with your requirement and 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. Our offer is valid for 30 days from the date of issue.

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

Yours sincerely,

For, COLLEFF SYSTEMS

Authorized "K" Dealer
Mob: 9850961201- Mail: colleffsystems@gmail.com

ANNEXURE "A"

TECHNICAL SPECIFICATION OF 62.5KVA LIQUID COOLED KIRLOSKAR IGREEN DIESEL GENERATING SET

A) DIESEL ENGINE:-

"KIRLOSKAR" Make diesel engine Model 4RB10TA G1 (62.5KVA), 4 Cylinder, LIQUID cooled, turbocharged with after cooler, developing 83 bhp @ 1500 RPM. Our diesel engines are Vertical , electric start, compression ignition, 4 stroke, designed to run continuously at 1500 RPM confirming to IS 10002, ISO-3046, BS 5514 standard with an overload capacity of 10 % for one hour in every 12 hrs. Operation. Diesel Engine will comply with present CPCB norms. The diesel engine will comprise of following: -

- Radiator with Fan
- Mico fuel pump with Mechanical Governor
- Dry type air cleaner
- Exhaust Silencer
- Lub Oil filter (Spin On Type)
- Fuel Oil filter (Spin On Type)
- 12V Electric starting system
- Battery charging alternator
- Stop solenoid
- Lube Oil pressure gauge
- Water temp. Gauge
- Ammeter battery charging
- K - Cool Super Plus coolant
- First Fill of Lube oil

B) ALTERNATOR:-

-Kirloskar IGreen Alternator

-Compact Design

-Best in Class Efficiency

-Low vibration levels

-Positive voltage built-up

-Special windings to reduce harmonics

-Electronic AVR

-High circuit current capacity up to 300% ensuring controlled regulation even at variable loads

-Epoxy gel coating to suit various environment conditions

-"KIRLOSKAR IGREEN" make Alternator, suitable for continuous operation rated at 1500 rpm 415 Volt 3 phase, 0.8(50KW output) PF, 50Hz, . in SPDP enclosure, self- excited & self- regulated, Brush less, floor mounted with Ball or Bearings on end shields. The alternator conforms to IS: 4722, BS EN 60034-1 & will be suitable for tropical condition.

C) BASE FRAME: -

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

D) FUEL TANK: -

8 Hrs Capacity, with Inlet & Outlet arrangement, air vent & drain plug arrangement.

E) BATTERIES: -

1 No.12 V battery with Leads and Battery Cable.

F) STANDARD GENSET CONTROLLER UNIT WITH CONTROL PANEL

Genset controller unit 'KG 934' 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)
1) Phase Voltage	1) Oil Pressure	1) Genset Under/Over voltage	1) Under/Over speed
2) Line current	2) Engine Temperature	2) Under/Over frequency	2) Low Lube oil pressure
3) Frequency & PF	3) Fuel Status	3) Phase Failure	3) High engine coolant temperature
4) Average Voltage	4) Engine speed	4) Phase sequence reverse	4) Low Coolant temperature
5) Average Current	5) Battery Voltage	5) Over Current	5) Low coolant level
6) Phase kW & Total Kw	6) Engine Hours	6) Over kW	6) Low fuel level
7) kWh			7) High canopy temperature
8) Kva & kVAR			

ANNEXURE "B"

TECHNICAL SPECIFICATION OF KIRLOSKAR IGREEN ACOUSTIC ENCLOSURE CONSTRUCTION

Following 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. Doors are gasketed with high quality EDPN gasket.

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 painted with P.P base power.
3. Base frame is epoxy coated.
4. Zinc passivated hardware is used to avoid rusting

ACOUSTIC INSULATION:

1. Sound proofing of the enclosure done with quality Foam confirming to IS: 8183.
2. Acoustic form shall be fire retarded and fire resistant.
3. Attenuates are provided to control sound at entry and exit to and from the container.
4. Specially designed Residential Silencer is provided.

VENTILATION AND AIR CIRCULATION:

Exhaust pipe is thoroughly insulated by covering it with glass wool and further cladded in Enclosure.

ELECTRICAL:

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

SAFETIES:

Emergency push button to stop the DG set from outside, Lub oil level, Lub oil pressure, Fuel level indicator, coolant level, Canopy temperature, High engine temperature

R&D:

Our R & D department is constantly engaged in the modification of the product 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 < 75 dbA at a distance of 1-meter average around the set.

ANNEXURE: "C"

COMMERCIAL TERMS & CONDITIONS

Rating	Engine Model	Basic Rate (with Standard Panel)	Basic Rate (with std Panel)	Transportation (Rs)
62.5kva	4R810TA G1	7,10,000 (Basic)	Including STD Panel And KRM System,	13,000/-

+GST 18% RS.1,27,800/-

TOTAL GROSS PRICE RS.8,50,800/-

... cabling, 4 nos Earthing pit

FREIGHT

Rates as per above chart.

TRANSIT INSURANCE

You shall arrange the transit insurance of the equipment from our works up to the destination at extra cost.

GOVT. LEVIES

Any entry tax or any such Govt. charges 1 levy applicable at the entry point of the destination will be to the your account.

VALIDITY

Our offer shall remain valid till 15 days from the date of issue and would be subject to our confirmation in writing thereafter.

DELIVERY

Within 1 weeks from the date of receipt of your Techno-commercially clear & firm Purchase Order along with advance, subject to Force Majeure condition and unforeseen delay which is beyond our / suppliers control.

PAYMENT

30 % advance along with the purchase order & balance 70 % against our Performa before dispatch.

WARRANTY:-

The warranty is 2 years or 5000 hours, from the date of installation, whichever is earlier, subject to use of Kirloskar K Oil Super, Kirloskar genuine filters, K cool super plus and services sourced through KOEL authorized Service Dealer. Other terms & conditions for warranty shall be as per our Company Standard Warranty Policy .

OTHER TERMS & CONDITIONS

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 of.
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 Aurangabad Jurisdiction.