



Kirloskar
iGREEN

Corporate Office

Plot #A 37, H-Block,
MIDC Pimpri, Pune-411019
Maharashtra, India

Manufacturing Units

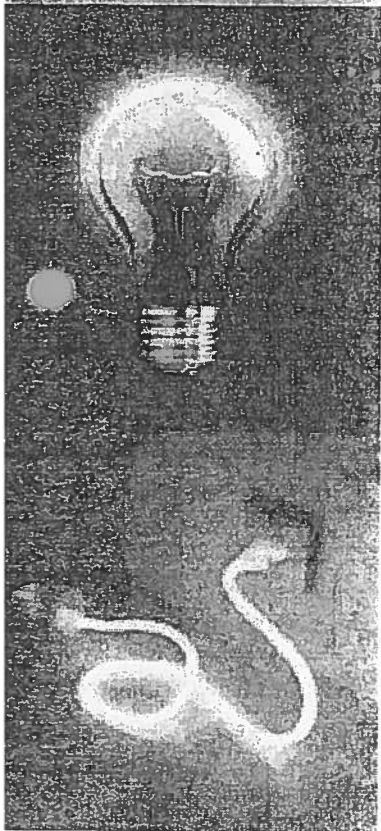
Gar. No 392/1/2,
Mahalunge Ingle,
Chakan-Talegaon Road,
Tal-Khed, Pune-410501

Annexure A: Technical Specification/Scope of Supply

Annexure B: Specification of Kirloskar iGreen Acoustic Enclosure

Annexure C: Commercial Terms & Conditions

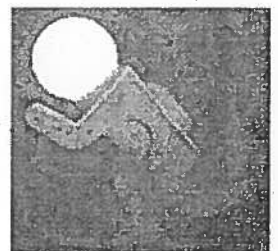
Annexure D: KOEL Anubandh



KALA GENSET PVT LTD

Toll Free No:- 1800 123 0018

www.kalabiz.com





Ref No - QTN/22-23/07007415

10-December-2022

To
Shiv malhar Agor Producer Company Limited.
Pune

Kindly Att:- Mr Vishal Soot

Sub : Offer for the Supply of 62.5 kVA Three Phase Kirloskar iGreen DG Set confirming to Latest CPCB regulations.

Dear Sir,

We thank you for your valued enquiry and the interest shown in Kirloskar iGreen Genset.

'Kirloskar iGreen' is the world's leading and most preferred Genset brand in India offering the widest range of power ratings. Kirloskar 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.

Kirloskar 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.

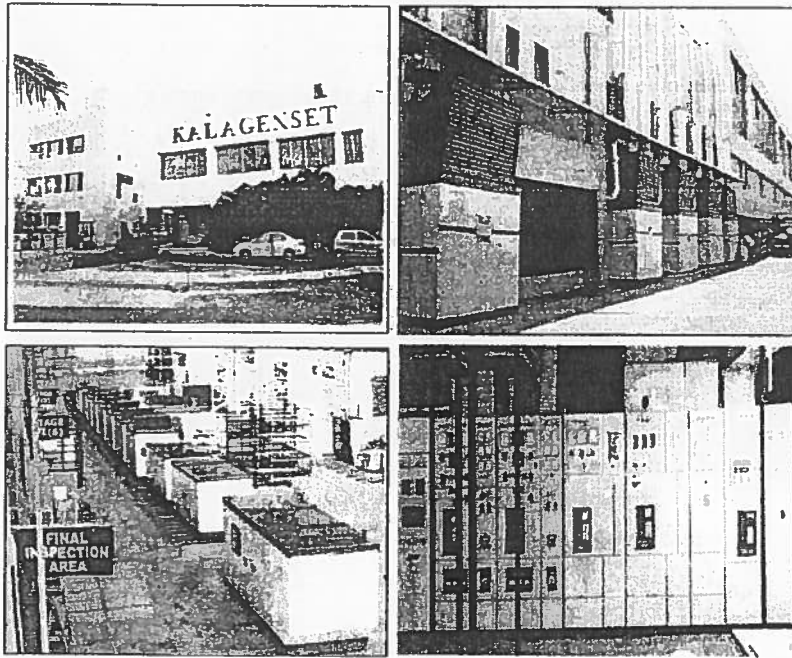
Kirloskar is a major player globally, specialized in both Air-Cooled and Water-Cooled Engines, Petrol Generating sets with power output from 2.1 kW to 4 kW and diesel generating sets with power output from 3 kVA to 5200kVA.

Over 50,000 establishments/businesses from different sectors such as Manufacturing, Service, Software, Construction and Infrastructure are powered by 'Kirloskar iGreen' Gensets annually.

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

Kirloskar 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 Kirloskar iGreen 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 "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 Enclosure
- Annexure C: Commercial Terms & Conditions
- Annexure D: KOEL Anubandh

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,

Dinesh Dabhade

For KALA GENSET PVT.LTD.

Mobile : 9545556189

Mail ID : dinesh.dabhade@kalabiz.com

www.kalabiz.com



ANNEXURE "A"

TECHNICAL SPECIFICATION OF 62.5 KVA THREE PHASE KIRLOSKAR iGREEN DIESEL

GENERATING SET

A) DIESEL ENGINE:-

KIRLOSKAR Make Diesel Engine Model 4R810TA G1, Four Cylinders Inline, Liquid Cooled, Turbocharged and Developing 83 hp @ 1500 RPM. Our Diesel Engines are with Electric Start, Compression Ignition, 4 Stroke Cycle. Designed to run continuously at 1500 RPM. It conforms 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 Equipments with Mechanical Governor
- ☞ Dry type Air Cleaner
- ☞ Exhaust Silencer
- ☞ Lube Oil filter (Spin On Type)
- ☞ Fuel Oil filter (Spin On Type)
- ☞ 12V Electric starting system
- ☞ Battery charging alternator
- ☞ Stop Solenoid
- ☞ Cylinder Head temperature Gauge
- ☞ Battery Voltage
- ☞ First Fill Lube Oil

B) ALTERNATOR:-

KIRLOSKAR 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:-

1 No. 12 V Battery with Leads

F) STANDARD GENSET CONTROLLER UNIT WITH CONTROL PANEL :-

Kirloskar 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	Engine Temperature	Genset Under/Over voltage	Phase Voltage
Line current	Fuel Level Status	Under/Over Battery voltage	Low Lube oil pressure
Frequency	Engine speed	Under/Over Frequency	High Lube oil Temperature
Average Voltage	Battery Voltage	Phase Failure	Low Fuel Level
Average Current	Engine Hours	Phase sequence reverse	Start/Stop fail
Phase kW & Total kW	No. of Starts	Over Current	Battery Charging Alternator fail
kWH		Over kW	
kVA		High Earth Current	
kVAR			
PF			
Earth Leakage Current			

G) Kirloskar iGreen

Kirloskar iGreen India's only digital power back-up solution, designed for the users of tomorrow. KOEL iGreen promise world class performance, robust design, digitally connected, ultimate convenient, smart user interface, superior looks and one-stop solution for its customers.

Kirloskar iGreen Unique Features

- ☺ Kirloskar iGreen AMF Panel (A Type STD Offering).
- ☺ Status Indicator.
- ☺ Aesthetically Enhanced Genset.
- ☺ Single Point of Ownership.
- ☺ KRM (KOEL Remote monitoring) System in built in DG Set.
- ☺ QR Code Enabled Genset.

Attached details Brochure



ANNEXURE "B"

TECHNICAL SPECIFICATION OF KIRLOSKAR iGREEN 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 Hardware are used to avoid rusting.

ACOUSTIC INSULATION:-

- 1) Sound proofing of the Enclosure is done with Quality Foam confirming to IS: 7888 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, 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	Diesel Generating Set 62.5 kVA 3 Phase comprising of "KIRLOSKAR" make Engine . Model 4R810TA G1 iGreen Water Cooled producing 83 BHP @ 1500 RPM coupled with "KIRLOSKAR" make Alternator . mounted on a Base Frame. Along with:- > AMF-AType Control Panel > Fuel tank > Battery with leads > First fill of oil > Engine safeties & protections > Anti vibration mounting pads Acoustic Enclosure suitable for 62.5 kVA DG Set. Latest CPCB Norms.	1.00	805.085.00	805.085.00
2	Transportation included			0.00
3	Total Amount			805.085.00
4	GST @ 18%			144.915.00
5	Grand Total			950.000.00



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 1 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 control.

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 &

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.



ANNEXURE "D"

KOEL ANUBANDH:-

KOEL Anubandh is a 5 year/6000 hours comprehensive maintenance contract which promises to take away all your hassles of maintaining the product for 5 years/6000 hours, whichever is earlier. Once you opt Anubandh at the time of Genset Purchase, all you need to do is Refuel and Relax

Advantages of KOEL Anubandh:-

- ☺ This is a direct offering by KOEL, the contract will be signed between Customer and KOEL.
- ☺ Ensure least breakdown by predicative and timely maintenance practices, ensuring maximum uptime.
- ☺ Ensures Single Point of contact.
- ☺ Ensures Price Protection during currency of the contract.
- ☺ Service through authorized and trained man power only.
- ☺ Guarantee of Usage of genuine spares.
- ☺ Reduces processing expenses.

Anubandh Scope details:-

- ☺ End to end coverage of all service related requirements for a period of 5 years/6000 running hours whichever is earlier.
- ☺ Covers complete Genset-Engine, Alternator, AMF Panels etc.
- ☺ Covers all spares requirements used for preventive maintenance.
- ☺ Covers all types of labour expenses.
- ☺ In the unlikely event of any breakdown, it also covers any spares requirement and labour there of.

KOEL ANUBANDH APPLICABLE SERVICE PACKAGES:-

kVA Rating	Package Price (Rs)
5	45,000
10	50,000
15	55,000
20	60,000
25	70,000
30	70,000
35	70,000
40	75,000
45	75,000
62.5	90,000
82.5	1,05,000
125	1,15,000
160	1,40,000

Attached details Brochure

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 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 15K VA to 250KVA. For all items of ratings above 251 KVA, it will be @ 1% of the order price.

ESTEEMED CUSTOMERS



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