


VIVEKANANDA COLLEGE
ALIPURDUAR
TENDER NOTICE

Date:- 02.03.2019

Sealed tender is invited by the undersigned from bonafied authorize distributor/dealer for 30K.V. soundless generator. G.S.T. and Installation charge borne by the authorize distributor/dealer. Sealed quotation may be submitted within 7 (seven) days from the tender notice.

The supplier shall have to install the generator within 7 (seven) days from the date of receiving supply order.

Details may be seen from the College Website (i.e. www.vivekanandacollegealipurduar.in). The undersigned has the right to reject or to accept any quotation without assigning any reason whatsoever.


VICE-PRINCIPAL
VIVEKANANDA COLLEGE
ALIPURDUAR

Vice-Principal
Vivekananda College
P.O. & Dist: Alipurduar

TECHNICAL SPECIFICATION

**30KVA SILENT D.G.SET 415 VOLT, 3PH, 50 HZ, 0.8PF AT 1500RPM POWERED
ENGINE COUPLED WITH LEYPOWER MAKE BRUSHLESS
ALTERNATOR, FUEL TANK, BATTERY 12 VOLT, RESIDENTIAL SILENCER AND
MANUAL CONTROL PANEL.**

Engine Rating	30KVA
Make	Ashok Leyland
Model	AL2CTIDG1
B.H.P.	38.6
Stroke	4
No. of Cylinders	2
RPM	1500
Cyl. Configuration	Inline
Direction of Rotation	Anti-Clockwise viewed from flywheel end
Method of aspiration	Turbo Charged Intercooled
Method of cooling	Coolant cooled
Type of Governor	Electronic
Starting system	12V Electric Start
Overload capacity	10% for 1hr. for every 12hrs. running
Duty	Continuous
Safety control	Low lube oil pressure High coolant temp.
Applicable Standards	ISO 3046,BS 5514
Lube oil changed period	600 hours./12 Months

ALTERNATOR

Make	: LEYPOWER
Rating	: 30KVA
KW	: 24KW
Type	: Brushless
Excitation	: Self excited, self regulated (AVR)
Enclosure	: SPDP
Enclosure protection	: IP-23
Rating	: Continuous
Rated current	: 42Amps.
Rated Voltage	: 415V
Frequency	: 50Hz
Power factor	: 0.8pf.
Class of Insulation	: H
Voltage Regulation	: ±1%
Overload capacity	: 10% for 1hr. for every 12hrs. running.
Applicable standards	: IS 4722/BS 5000

ACCESSORIES:

The following accessories will be supplied along with the D.G.Set

1. Suitable capacity Fuel Tank for running continuously 8 hrs. The fuel tank will be mounted inside the canopy with connections.
2. Anti-vibration mounting pad (mounted inside the canopy)
3. Residential silencer (fitted on top of canopy)
4. Exide make 12V Battery with lead.
5. First filled of Lub oil & Coolant.

MANUAL CONTROL PANEL

The Control Panel shall be made of 16SWG CRCA Sheet, floor mounted, indoor type, dust and vermin proof and powder coated and suitable for 415V, 3Phase, 50Hz system. The panel shall consist of the following features:

- Controller with display of engine safety features & Alternator Parameters such as:-

Engine parameters display: Low lube oil pressure, High Water Temp. Battery Voltage, RPM, No. of Hours Run.

Engine Fault Indication for: LLOP/HWT/Low Fuel Level/Over Speed/Emergency Stop/Charging Alternator/V-Belt failure/Service Due.

Push Button for Engine Start/Stop, Data scrolling Button & Reset button.

Alternator parameters display: Voltage, Ampere, Frequency

Alternator Protections: Over/Under Voltage, Over Current, Over/Under Frequency.

- Suitably rated MCB.
- Current Transformers of suitable ratio.
- Protection for Control system.
- Earth Studs

ACOUSTIC ENCLOSURE

Acoustic enclosure shall be made of specially procured CRCA Sheet and structural sheet metal Base frame and comply with CPCB-II norms with following features :

- The most compact, six sided close, modular construction and detachable.
- Meet CPCB-II / MOEF norms.
- Sound level < 75 dBA at one meter distance.
- Easy accessibility around the DG Set, which ensures optimum serviceability.
- Special power coated enclosure, weather proof, corrosion resistant, environment friendly.
- Specially designed lifting hooks.
- Use of high quality hardware ensures longer life of enclosure.
- Provision for emergency stop facility.
- Fuel tank is specially designed and mounted inside of the enclosure as a integral part of Acoustic enclosure.

DIMENSIONS : (Without Silencer)

For 30KVA DG Set: L: 2000, W: 900, H: 1420mm