



# NARASINHA DUTT COLLEGE

(Affiliated to the University of Calcutta)  
(Re-Accredited with Grade 'B++' by NAAC)  
129, Belilious Road, Howrah – 711 101.

Ref. No. NDC/091/QUTN/2026

Date : 23-02-2026

## INVITING QUOTATION FOR 35 KVA III PHASE CPCB-IV+ “EICHER ENGINE” POWERED SILENT DG SET WITH MANUAL CONTROL PANEL AT NARASINHA DUTT COLLEGE

Narasinha Dutt College, 129, Belilious Road, Howrah 711101 invites quotations for **35 KVA III phase CPCB-IV+ “EICHER ENGINE” powered Silent DG Set with Manual Control Panel** as specification mentioned below from reputed organisation :-

### DIESEL ENGINE

35 KVA: - EICHER Engine, III cylinders, AIR Cooled, developing 47.5 BHP at 1500 RPM under NTP

#### The engine is complete with:

- Starter motor.
- Battery charging alternator.
- Dry type air cleaner.
- Mico fuel pump
- G2 up to 20 KVA & G3 from 25 to 125 KVA class governing.
- Flywheel with flywheel housing
- Residential silencer
- First fill of lube oil.
- Engine protections: Low lube oil pressure & High Water temperature / High cylinder head temperature.

### ALTERNATOR:

III phase, Insulation Class H, Voltage Regulation+/-1%, Make- MECCALTE / LS.

### CONTROL PANEL:

Standard /customized, louvered, steel construction Control panel, dust & vermin proof comprising of MCB/MCCB, CTs for metering, Voltmeter, Ammeter, Frequency meter, Indications, Fuses etc.

### ESSENTIAL ACCESSORIES:

- Fuel tank with drain valve, breather, inlet and outlet connections
- Battery with leads
- Anti-vibration mountings
- Operator manuals & test certificates



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## **SOUNDPROOF CANOPY**

2.5 Mm Thick MS sheet is used for Base,  
Doors & Roof shall be fabricated from MS CRCA of adequate thickness with airtight EPDM foam gasket. MS/Zinc with die cast hinges

## **INSULATION:**

The insulation material will be PU Foam. The material is fire retardant.

## **WINDOW FOR CONTROL PANEL:**

Windows for control panel will be with glass/acrylic and sealed with neoprene rubber gasket.

## **AIR INLET & AIR OUTLET:**

Air inlet and outlet louvers, with special sound reduction dampers for proper air ventilation will be provided.

## **CONSTRUCTION:**

The construction will be modular, bolted construction and will have access from all sides. All fasteners will have washers. The fasteners will be SS/Zinc coated MS.

## **LIGHTING:**

1 no. lamp with ON/OFF switch and socket inside the canopy.

## **EARTHING:**

The Earthing arrangements for DG set / Canopy will be homogenous.

## **PAINTING:**

All metal surfaces will be thoroughly treated with degreasing, de rusting and phosphate in our in-house fully automated, 9 tank pre-treatment process, conveyerised powder coating plant, before final power coating.  
The finish will be suitable for outdoor use.

## **NOISE LEVEL PERFORMANCE:**

The maximum noise level permitted during full load will be  $\leq 75$  dB (A), measured at 1 meter distance from the edge of canopy. The product shall be certified by CPCB as per latest sound norms.

## **FUEL FILLING & DRAIN:**

Suitable fuel filling and drainage connections with locking facility will be provided.



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## **FUEL TANK CAPACITY:**

The tank capacity is 100 Liters.

## **TEMPERATURE RISE INSIDE CANOPY:**

The maximum permissible temperature rise above the ambient will be 5°C to 7°C.

## **VENTILATION:**

The canopy is equipped with a forced air circulation fan of reputed make applicable in Air Cooled genset.

## **ANTI VIBRATION PADS:**

The anti-vibration pads will be provided below diesel engine and alternator.

## **EMERGENCY PUSH STOP BUTTON:**

The canopy will have provision of emergency push button which shall be housed in a protective enclosure with a glass front.



*Soma Bandyopadhyay*  
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Principal