

No.65.10.8076

Specification for Diesel Generator Set. Cap-5.0 KVA- Qty:- 01 No

(i)	Major Parameter	<p>DG set Model No SH.6500 EX</p> <p>Diesel Engine: Model (Honda) GX 340</p> <p>Displacement (CC): 337</p> <p>Maximum output (PS) – 3600 RPM – 11</p> <p>Ignition system – Transistor</p> <p>Oil Alert system – Yes</p> <p>Starting system – Recoil (OP Electric)</p> <p>Generator: Type – Self-exciting, 2 pole, field – Rotating type.</p> <p>Voltage regulation system – AVR</p> <p>Phase – Single</p> <p>AC output (KVA):</p> <p>Rated – 50 Hz – 5.8</p> <p>60 Hz – 5.6</p> <p>Rated Voltage (V) R- 220 (50 HZ)</p> <p>S-220 (60 Hz)</p> <p>LD-120/240 (60 Hz)</p> <p>DC output (V-A) – 12 V, 8.3 A</p> <p>Rated power factor (COS Ø) – 1.0</p>
(ii)	Minor Parameter	<p>Fuel Tank capacity : 28 liters.</p> <p>Dimensions (mm) – Length 708, Width 548, Height – 493</p> <p>Weight in Kg (Dry) – 75 kgs.</p> <p>Sound level (dB) 50 Hz – 71</p> <p>[dB(A) 7M]60 Hz – 75</p> <p>Continuous operating hours (HR): 50 Hz – 10</p>

		60 Hz – 7.9 Make – Elemax – EX Series made in Japan or equivalent.
(iii)	Concomitant accessories	1. One power supply board to be provided with D.G.Set 2. Full quantity of engine lube oil. 3. HSD Oil –28 liters
(iv)	Optional accessories	Nil
(v)	Spares	One set of tool for maintenance
(vi)	AMC requirement	Not required
(vii)	Warranty requirement	24 months from the date of commissioning or 30 months from the date of supply.
(viii)	SPECIAL REQUIREMENT:	
A.	Machine shall be complete and functional in all respect.	
B.	Machine shall incorporate all safety devices so as to provide complete protection to the operating and maintenance staff.	
C.	Good engineering practices shall be followed in design, manufacturing and commissioning of the equipment.	
D.	Firm shall supply product catalogue/drawings in support of their offer.	
E.	Not with standing any design approval or any inspection carried out by any representative of the Railway/consignee, the responsibility of design, manufacture, installation, commissioning and successful operation of machine shall be that of the supplier.	
F.	Foundation drawing, if required, shall be submitted by the supplier along with related diagrams (Mech. & Elect.) giving machine weight, overall dimensions, foundation details, electrical load & circuitry as soon as the order is placed, for preparing foundation in advance before receipt of the machine.	
G.	Supplier shall be required to carry out a joint check at the consignee's end along with the consignee's representative before unpacking, soon after the receipt of the machine.	
H.	Installation and commissioning shall be done by the supplier at the consignee's site within one month from the date of intimation by the consignee in respect of readiness of site etc.	

I.	Machine performance shall be demonstrated by the supplier covering all aspects after successful commissioning of the machine.
J.	Technical experts from manufacturer will fully and adequately train the operating and maintenance staff nominated by the consignee.
K.	Tenderers shall give clause wise comments on the specification. A deviation statement along with remarks is also to be submitted.

(D)/NKJ

Sr.DME