

	Special Instructions	RFP no.			
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350kVA Generator and 400V panel for 202 Anton Lembede Street

This Datasheet defines the minimum requirements for the design, manufacturing, factory acceptance testing, preparation for shipment, transport to site, site acceptance tests, supervision of off-loading, installation, commissioning and all documentation of Diesel Generator and Switchboard including Controls for 202 Anton Lembede Street

The Scope of Work includes the following : -

- Design, supply, manufacture, routine testing, factory acceptance testing, preparation for shipment and supervision of off-loading, site acceptance testing and all documentation.
- Training of personnel to operate and maintain the diesel generator.
- Site installation and testing

Description of the Loads: -

1. Motor Loads
2. UPS's
3. CVT's
4. Feeders

Output & Voltage : -

After the derating factors for the engine and generator due to site conditions have been taken into account, the set must have a continuous site output and voltage as follows:-

- | | |
|------------------------------------|------------------|
| a. Minimum continuous power output | 350kVA |
| b. No load voltage : - | 400 V |
| c. Nominal frequency : - | 50Hz |
| d. Neutral :- | Solidly earthed. |
| e. Phase: | 3 phase, 4 wire |

Cabling Installation : -

The successful vendor will be responsible for the power and control cabling between standby generator and 400V panel including the auto change over and the various feeder cabling .

Sound Attenuation : -

Sound attenuation on both the inlet and outlet air louvers and exhaust must be provided by the vendor to achieve a level of approximately 65dB @ 7 metres measured outside the generator room in any direction.

Switchboard and Control

The successful vendor will be responsible for the design, manufacture, factory acceptance testing, delivery, installation and commissioning of the equipment in accordance with the following documentation:

1. Accepted design drawings and documentation
2. Accepted Quality Management plan
3. Accepted FAT and SAT plan

The vendor must populate the data sheet with relevant accurate data and submit as part of the bid

		Engine	RFP no.		Revision	
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Description : 350kVA Diesel Standby Generator						
1	Description of Engine	Manufacturer's Name : -				
2		Country of Origin & Year of Manufacturer				
3		Manufacturer's Type No.				
4		Continuous Rating after allowing for ancillary Equipment : -				
		a. in KVA				
		b. in kW				
5		Prime power output				
6		Standby power output				
7		Engine speed RPM				
8		Number of cylinders				
9		Cylinder arrangement				
10		Fuel Tank capacity				
11		Fuel consumption of the complete generating set on site in				
		a. 100% load				
		b. 75% load				
		c. 50% load				
12		Oil type				
13		Oil capacity				
14	Is fuel tank fitted with gauge					
15	Method of starting engine					
16	Voltage of starting system					
17	Method of cooling	Radiator water cooled				
18	Coolant capacity					

Description : 350 kVA Diesel Standby Generator

[illegible]

