

Technical Specification for 3 Phase Generator

Qty: 1(One) Unit

S.NO	PARAMETERS	SPECIFICATION	OFFERED SPECIFICATION
1	Alternator	Voltage range between 380V- 415V	
2		Frequency range: 50-60Hz	
3		Phase: Three	
4		Exciter Type: Brushless	
5		Starter Motor rated voltage:12V	
6	Generator	Gen set output not less than 80KVA	
7		No. of Cylinders: Minimum4	
8		Power factor: lagging 0.8 to 0.99	
9		Rated RPM shall not less than 1500 RPM	
10		Governor type: Mechanical/Electronic	
11	Electrical System	Charging alternator voltage:12V	
12		Standard appropriate size copper cable shall be provided for the connection of Diesel Generator with utility line.	
13		Batteryvoltage:12V	
14	Fuel System	Recommended fuel: Diesel	
15		Fuel tank capacity: Minimum 140Ltr.	
16	Lubricating System	Lube oil sump capacity more than 8Ltr.	
17		Oil change period (Hrs): More than 500Hrs	
18		Coolant capacity:: Minimum 10ltr.	
19	Canopy	Dry weight of gen set with canopy shall not be less than 1250Kg	
20		Dimensions of canopy shall not be more than 3900x1500x2000mm (without silencer)	
21		Noise level shall be less than 80db at 1mtr. distance from source.	
22	Related Service	Technical assistance for installation and operation of Diesel Generator will be in the scope of seller after delivery.	
23	Instructions	All signs and instructions in the Diesel Generator shall be in English.	
24	Manuals	One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with Diesel Generator.	



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Mechanical Engineer

25	Tools	A set of tools with at tool bag as required for general maintenance and servicing shall be supplied.	
26	Warranty	Manufacturer shall provide Minimum one year warranty after acceptance.	
27	Delivery	The Diesel Generator shall be delivered to the Rasuwa Hospital, Dhunche, Rasuwa.	

Note:-

The major items are indicated by bold and highlighted letter/alphabets/figures in the technical specification. Non-compliance of these major items will result in non-responsiveness of the offered.


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 Mechanical Engineer

Cost Estimate for the Purchase of 3 Phase Generator

The major technical specification of the Generator that is intended to be purchased by **Rasuwa Hospital, Dhunche, Rasuwa** is as follows:

1. Type : 3 Phase Diesel Generator
2. Alternator : Voltage between 380V- 415 V, Phase: Three
3. Generator: Minimum 4 Cylinders, Rated rpm not less than 1500rpm
4. Fuel and Capacity : Diesel with minimum 140ltr. capacity of fuel tank
5. Warranty: Minimum of one year warranty after acceptance

Based on the past experiences of procurement and enquiries recently made with suppliers, the cost of the 3 Phase Generator intended to be purchased having above technical specification is estimated as below:

S. No.	Description	Quantity	Unit Estimated Cost (in NRs.) (Including VAT)	Total Estimated Cost (in NRs.) (Including VAT)	Remarks
1.	3 Phase Generator	1 unit	2500,000.00	2500,000.00 (Twenty Five Lakhs Rupees Only)	Estimated cost


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Mechanical Engineer