



आठविसकोट नगरपालिका
नगर कार्यपालिकाको कार्यालय
आठविसकोट, रुकुम(पश्चिम)
कर्णाली प्रदेश, नेपाल



सम्पर्क नं.
९७४९३८९९६९
९७४८५८३९३८

क्याटलग सपिड विधिबाट 100 KVA Diesel Generator Set खरिद गर्ने सम्बन्धी सूचना

(प्रथम पटक प्रकाशित मिति : २०७५/०४/२७)

यस नगरपालिकाको स्वीकृत वार्षिक कार्यक्रम अनुसार यस नगरपालिकालाई आवश्यक पर्ने देहाय बमोजिमको 100 KVA Diesel Generator Set थान एक(१) सार्वजनिक खरिद ऐन, २०६३(पहिलो संशोधन २०७३) को दफा ८ को उपदफा १ को (क) (८) तथा सार्वजनिक खरिद नियमावली, २०६४ (चौथो संशोधन २०७३) को नियम ३१.ख बमोजिम त्यस्तो मेशीनरी औजार उत्पादन कम्पनी वा सो को आधिकारीक विक्रेताहरु बीच मात्र प्रतिस्पर्धा गराउने (क्याटलग सपिड) विधिबाट खरिद गर्नुपर्ने भएकोले इच्छुक इजाजत प्राप्त उत्पादक कम्पनि वा त्यस्तो आधिकारीक विक्रेताहरुले आफ्नो फर्म दर्ता, भ्याट दर्ता, एजेन्सी दर्ता प्रमाणपत्र, Letter of Authorization र आ.व. २०७४/०७५ को आयकर चुक्ता प्रमाणपत्रको (नोटरी पब्लिकबाट) प्रमाणित प्रतिलिपिहरु समावेश गरी सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१.ख को उपनियम (२) अनुसार देहाय बमोजिमको मेशीनरी औजारको उत्पादनको आधिकारीक स्पेसिफिकेशन, गुणस्तर, मूल्य र सुविधासहितको विवरण(क्याटलग वा ब्रोसर) संलग्न राखि यो सूचना प्रकाशित भएको मितिले ८ दिनभित्र यस कार्यालयमा निवेदन दर्ता गर्न हुन सम्बन्धित उत्पादक वा आधिकारीक विक्रेताको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ । साथै मेशीनरी औजार(100 KVA Diesel Generator Set)को Technical Specification, प्रस्ताव सम्बन्धी कागजात नगरपालिकाको आधिकारीक Website: www.aathbiskotmun.gov.np बाट प्राप्त गर्न सकिनेछ ।

आवश्यक मेशीनरी औजारको विवरण :

क्र.स.	मेशीनरी औजार	संक्षिप्त विवरण	संख्या	कैफियत
१.	100 KVA Diesel Generator Set	100 KVA, 3 Phase Diesel Generator Set having Engine power Min. 150 BHP, fuel tank min. 200 ltr., Alternator Voltage 415/240 V \pm 5%, Full Load Current 139 A, Rotation min. 1500 rpm having suitable Protection system.	१(एक) थान	

रामबहादुर के.सी.

नि. प्रमुख प्रशासकीय अधिकृत

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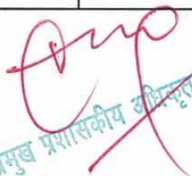
Technical Specification

Office name: Aathbiskot Municipality office, Rukum
Equipment name: 100 KVA Diesel Generator Set
Quantity: 1 unit

S.N.	Criteria	Office requirement	Offered Specification
1	General	Supply, delivery, installation and commissioning of 100 KVA diesel generator set. The generating sets shall be robust in construction factory tested and assembled to ensure perfect alignment of Engine and Alternator on a common base frame. The set shall be mounted on anti-vibration mounting to prevent transfer of vibration to the foundation and structures. The equipment shall be suitable for operating in the range of -5 ⁰ C to 50 ⁰ C. DG Set having Output Capacity not less than 100 KVA, PF 0.8, 3 Phase & 1 Neutral, frequency 50 HZ, mechanical/ Electronic governing of class G2.	Make: Model: Country of Origin: Year of Manufacturing:
2	Engine	Water cooled 4 cylinders vertical inline Diesel Engine, turbocharged, power not less than 150 BHP at governed RPM (engine fully equipped with accessories for smooth operation), Electrical starting system with 12 V battery charging arrangement/Exhaust Silencer/efficient radiator. Fuel consumption not more than 20 Liter/hour at 75% of Full Load, Circulation of cooling water through the engine and radiator shall be by means of engine driven pump. Exhaust silencer should be residential type to keep the surrounding noise free and clean.	Manufacturer: Model: Country of Origin:
3	Emission Standard	The Emission Standard of the generator should be of latest Nepal Emission Standard.	
4	Gauges	To include, water temperature , oil temperature, oil pressure and fuel level Gauges as necessary for Efficient operation and maintenance.	
5	Alternator	50 Hz, 415/240V±5%, Full load Current 139 A, 1500 RPM, PF 0.8 (Lag), Voltage Regulation ±1%, self-regulated, brushless continuous duty protection having insulation 'Class H'. Dynamically Balanced Roter, IP23 Enclosure and drip proof Screen protection.	

[Signature]
नि.प्रमुख नगराधिकारी अधिकृत

6	Automatic Mains failure Control Panels	User friendly and manufactured in-house. Adequate space for connection of incoming & outgoing Cables. AMF Control Panel should be capable of automatically start/stop the generator in case of mains failure and its restoration respectively. It should be able to automatically start and transfer the load to the generator if any phase of the mains fails or mains voltage drops below the set value. The AMF control panel should incorporate two 3-pole contactors of capacity not less than 150A, 415V.	
7	Acoustic Enclosure	The acoustic enclosure should be supplied along with DG set from the manufacturer. The weather proof enclosure with corrosion resistant.	
8	Insulation	High Density fire retardant/ non-ligniting and noise reduction type Acoustic Foam or Resin Bonded wool covered with Fibre cloth / tissue and Perforated sheet properly clamped to absorb noise.	
9	Ventilation System	Draught Ventilation System incorporated & Wherever necessary axial blower provided.	
10	Earthing	Three separate copper plate earthing for neutral, the body of the generator and AMF Control Panel should be installed. The earthing value should be less than 50.	
11	Vibration Insulation	Vibration controller provision should be installed. Anti-Vibration Mounting foot Dunlop for Vibration Insulation.	
12	Sound level	The average sound level when measured in green at 1 metre distance from all four sides should not be more than 75db (A) average at the distance of 1 Mtr.	
13	Essential Accessories	A. Emergency stop B. Internal Lights C. Built in Fuel Tank	
14	Instructions	All signs and instructions in the Generator shall be in English.	
15	Manuals	One copy of the Operator's and Owner's Instructions in English shall be supplied with Generator.	


 नि. प्रमुख प्रशासकीय अधिकारी



16	Tools	<p>The vendor shall supply all tools, normal and special required for operation and maintenance of the generating sets at free of cost as listed.</p> <p>a. Double End Spanner set (12 Nos.) - 1 set b. Adjustable spanner 12" - 1 No. c. Screw Driver 30 mm - 1 No. d. Screw Driver 12 mm - 1 No. e. Ball pin Hammer ½ lb - 1 No. f. Cutting pliers 9" - 1 No. g. 440V Danger Board fixed on wall - 1 No. h. First Aid Box - 1 No. i. Safety chart And first aid chart for electric shock in wooden frame with glass -1 set j. 35 lts Plastic cane - 3 Nos k. Hand pump set for lifting oil - 1 set</p>	
17	Testing	A full function test should be carried out to check instrumentation, protection and control system.	
18	Proven Performance	The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption.	
19	Warranty	Manufacturer shall provide a minimum Two year warranty after acceptance. The bidder should replace/repair any defective part of the generator within the warranty period whatsoever the reason may be that is beyond the control of the operator.	
20	Defect Liability	The Bidder should respond and provide free emergency service within 24 hours of emergency call during the warranty period.	
21	Delivery	A Unit of 100 KVA DG Generator Set shall be delivered within a month from the date of Agreement to: Aathbiskot Municipality office, Aathbiskot, Rukum.	

Notes:

1. The bidder should submit the authorized catalogue (or documents) to verify the above specifications.
2. The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid offer.
3. The bidder should mention the required data, details and values of the machine in the offered specification column

Prepared By:
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