

क्याटलग सर्पिगबिधि बाट जेनेरेटर खरिद सम्बन्धी सिलबन्दी प्रस्ताव आह्वानको सूचना

(प्रथम पटक प्रकाशित मिति : २०८१/०२/२३)

यस प्रदेश पूर्वाधार विकास प्राधिकरणको आ.व. २०८०/०८१ को स्वीकृत कार्यक्रम अनुसार जेनेरेटर खरिद गर्नुपर्ने भएकाले सार्वजनिक खरिद ऐन,२०६३ को दफा दको उपदफा १ खण्ड (क) को द तथा सार्वजनिक खरिद नियमावली,२०६४ को नियम ३१ (ख) बमोजिम उत्पादक तथा अधिकृत बिक्रेताद्वारा निर्धारित दरमा (क्याटलग सिपिङ) विधिबाट खरिद गर्नुपर्ने भएकाले इच्छुक इजाजत प्राप्त उत्पादन कम्पनि वा त्यसको आधिकारिक बिक्रेताहरुले, आ-आफ्नो फर्म दर्ताको प्रमाणपत्र, एजेन्सी दर्ता प्रमाण पत्र, Letter of Authorization, आ.व. २०७९/०८० सम्मको आयकर चुक्ता र स्वघोसणा समावेश गरी उत्पादकको आधिकारिक स्पेसिफिकेशन गुणस्तर, मूल्य र सुबिधा सिहतको विवरण (क्याटलग) संलग्न राखी यो सूचना प्रकाशित भएको मितिले ७(सातौ) दिन बेलुका ५ बजे भित्र यस कार्यालयमा प्रस्ताव पेश गर्नुहुन उत्पादक वा आधिकारिक विक्रेताहरुको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ।

| ऋ.स. | सामानको विवरण | स्पेसिफिकेशन | कैफियत |
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| ٩. | Supply Installation, testing and commissioning of 62.5 KVA/3 phase/415v,50Hz Fully Automatic Silent Diesel Generator Set Including all Accessories as per Detailed Specification | As per Detailed Specification | प्रस्ताव खोल्ने मिति २०८१/०२/३० गते बेलुका ०५:१५ बजे प्रदेश पूर्वाधार विकास प्राधिकरणमा |

छवि राज पोखेल

प्रमुख कार्यकारी अधिकृत **ई छवि राज पोखेल**

प्रमुख कार्बकारी अधिकृत

Technical Specification of 62.5KVA Silent, Diesel Generator with ATS/AMF facility Project Site: Provincial Infrastructure Development Authority, Rapti- 8, Bijnuri Dang Supply, Installation, testing and commissining of 62.5 KVA /3phase/415v, 5011z fully Automatic Silent DG set including all accessories as per the detailed Specification : S.No. Criteriya Buyer's Requirement Bidder Offer The prime power rating silent Genetator shall comply with the specified International Standards, comprise of Manufacturer @Brand a Diesel Engine of specified capacity-directly coupled to an specified capacity of Alternator, mounted over common base frame with Anti-vibro-mounts The DG Unit shall be a complete pre-integrated & pre-assembled Ø fypc/Model mit, internationally reputed make from original company and locally assembled units are not acceptable J Gen Set - Engine The Diesel Generator Units shall consist of the following composition: → Alternator Diesel Engine Country of Origin 1 Genetal **⊠**Alternator DFuel tank DExhaust System EIAMF Control Panel **B**Battery ☑Outdoor weather Protective & Sound Attenuating Enclosure DAutomatic Transfer switch MAII other Accessories for automation operation Engine: BS 5514, ISO 3046 ☑Alternator: IS 4722, BS 5000, IEC60034 Conformance Engine & Gen. Set: 1508528 Standards BISO 9001:2008 Quality Assurance 2150 14001:2004 Environmental Management DG Set shall be supplying continuous electrical power (at variable load) in the event of a utility power Ratings & 3 failure. The rating shall be atleast 62.5KVA/3 Phase/415V AC, 50Hz.0.8pf, within ±1.0% Voltage Regulation Performance and random Frequency variation with any steady load from no load to full load shall not exceed ±0.5% The Diesel engine shall be of 4 cylinder, water cooled, cold start, direct fuel injection, compression ignition and preferebly turbo charged type-developing min. 82 BHP or more @ 1500 rpm & over load capacity of 110% for one hour in any specified 12 hrs of continuous operation. The Diesel Engine shall be fitted with a Engine Mechanical/Electric governer class A1 or later. The cooling system shall be fitted a vertical fan cooled sectional radiator, rated for the tropical site conditions shall be mounted at the end of the combined under base and driven from the diesel engine The Alternator shall be self-excited and self regulated brushless 62.5KVA printe@125°C, 1500 RPM, 3 Phase, 415/230 Volts/50 Hz, 0.8 pf (leg) 4 wire system. The Stator winding shall be star connected & shall be brought out together with the neutral point to terminals. The insulation of the winding shall be class H and IP-23. The 5 Alternator Alternator shall be capable of maintaining its continuous maximum rated output within +5% of rated voltage & at rated power factor with 10% Engine overload at any PF between utility and rated PF for a maximum period of one hour in any 12 hrs.period. The ATS shall comply with IEC 60947 or equivalent, having 3 attempt type & capable of sensing single. & three phase failure of main supply or any variation in main supply voltage. The main supply and generator Automatic supply contactors or solenoid/motor operated chang over switch shall be of fool proof design with mechanical Transfer Switch & electrical interlock. A 4 pole circuit breaker and auto transfer switch should be provided rated for full load of the current +10% overload. A built-in fuel tank design shall be capable of preventing accidental spilling of fuel & hand pump feeding on Fuel Tank emergencies and minimum capacity of not less than 8-10 hours contineously run at the rated capacity The Controll unit shall be environmentally sealed; solid state and microprocessor based and shall have minimum following features: Master Engine controll switch for OFF/AUTO/MANUAL/TEST Emergency Shutdown feature ☑Emergency Stutdown reasure
☑Engine Monitoring (Lube oil pressure, Engine Temp., RPM, Run Hrs., Fuel Level etc. Generator Set KVA, KW, KVAr, KWH, Power Factor, Canopy Temperature etc. SOIVIT BE ☐Alternator Monitoring (Phase voltage, currents, frequency & reverse power etc.) ☑Battery Monitoring DFuel Level Indicator Genetator Digital Alarm and Status message display Monitoring & 8 Modebus Communication, Remote Monitoring etc. Diagnostic The Gen.Set. Shall be automatically shut down under following condition: Features Low fuel level @Low lube oil pressure Over Current ☑Over/Under Voltage ☑Over/Under Speed BEarth Fault Trip ☑Low/High Battery voltage Illigh Engine Temperature ☑Routine Maintenance Indicator The Gen Set Shall be supplied with a completely self-contained starting system consisting of an engine driven Starting System

PROPERTY OF THE PARTY

dynamo, a lead acid battery and battery charger etc.

| Acoustic Enclosure | | ▶ The Generator set shall be provided with a sound attenuated housing/enclosure to reduce the sound level of the generator set while operating at full rated load to below 95dHA at 1 ant. from the Gen set | |
|------------------------------|--|--|---------|
| | The enclosure shall include hinged doors for access to both sides of the Engine and Alternator & controll equipment. A panel viewing window and key locking door latches shall be provided. | | |
| | ▶ The enclosure shall be provided with an exhaust silencer, which is mounted outside of the enclosure, and allows the Generator set package to meet specified sound level requirements. Silencer & exhaust shall include a mun cop and rain sheld. | *** | |
| Installation & commissioning | | The Bukler must arrange the equipment & spaces to be installed as mentioned below and commissioned by quabiled/certified personnel, if any prerequistes for installation to be communicated to the purchaser in advance and in detail. | 4 |
| | conunissioning | (DPower cables, Multi strain copper wires, MCCBs, cable shoes and other related accessories | |
| | | (DEarthing set, complete (Alternator and Body) or as per manufacturer partieting. | |
| | | Dinstallation & commissioning all complete work at site | |
| | | | |
| 12 Other | Others | ©User Training Supplier must provide user training by qualified/certified trainer including proper bandding of equipment and maintenance. | |
| | | □Literature: Installation Guidelines, Foundation Drawings etc. | |
| | | ☑Delivery Terms & condition | |
| - | | ☐User Operating Manual in English | |
| 13 | Documentation | ☑Service (Technical/Maintenance) Manual in English | W. N. |
| 13 | Dicumentation. | ØList of important spare parts and accessories with their part number and costing | |
| | | ☑Calibration Certificates and Inspection reports from factory. | A SHIP! |

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Date: 2081-02-09

ई. र्विव राज पोखेल प्रमुख कार्यकारी अधिकृत

पूर्वाधार विकास की रिमी उपत्यका (विकास