



नेपाल सरकार
स्वास्थ्य तथा खाद्य स्वच्छता मन्त्रालय
डडेल्धुरा अस्पताल
डडेल्धुरा

प.सं.: २०८३/८४

दरभाउ पेश गर्ने वारेको सूचना

(प्रथम पटक सूचना प्रकाशन मिति २०८३।०५।०८)

यस डडेल्धुरा अस्पताल डडेल्धुरामा संचालनमा रहेका देहायका मेशिनरी औजार तथा उपकरणहरूमा समस्या आएको हुँदा मर्मत गर्नका लागि आवश्यक सामग्रीहरू खरिद गर्नुपर्ने भएकाले उक्त सामग्रीहरू आपूर्ति तथा मर्मत गर्ने आधिकारिक कम्पनी/फर्म/सप्लायर्सहरूले यो सूचना प्रकाशन भएको मितिले सात (७) दिन भित्र आवश्यक सम्पूर्ण कागजात सहित सिलवन्दी दरभाउपत्र अस्पताल प्रशासन शाखामा पेश गर्नहुन सूचित गरिन्छ । साथै थप जानकारीको लागि प्रशासन शाखामा सम्पर्क गर्न सकिनेछ ।

तपशिल :

- डिजेल जेनेरेटर सेटहरूको पूर्ण प्राविधिक मर्मत सम्भार तथा स्पेयर पार्ट्सको प्राविधिक विवरण तथा स्कोप (Technical Scope & Specs)

जेनेरेटर नं. १ - आधारभूत विवरण

Make: Jakson | Model: QSN14 G2 | ESN (Engine Serial No.): 25484575
KVA: 400 KVA

१. जेनेरेटर नं. १ को मर्मत सम्भार स्कोप (Servicing Scope):

S.n.	Description of work	Specification	Qty
1.1	Lub Oil Filter Replacement	Full-flow spin-on type (Fleetguard / Cummins)	1 No
1.2	Fuel Filter Replacement	Main fuel filter element	1 No
1.3	Fuel Water Separator Replacement	Pre-filter including water separator and WIF sensor	1 No
1.4	Element CRN Resistor Replacement	Crankcase breather / control resistor element as per model standard	1 No
1.5	Air Filter Inner Replacement	Heavy-duty dry type secondary safety element	1 No
1.6	Air Filter Outer Replacement	Heavy-duty dry type primary main element	1 No
1.7	Lubricant Oil Replacement	40 litres, CL-4 or CK-4 or better	4 Nos
1.8	Complete Servicing, On-site Commissioning & Full Load Test Run	General Inspection, Battery/Coolant Check & Trial Run	1 Job



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जेनेरेटर नं. २ - आधारभूत विवरण

Engine Make: Kirloskar Oil Engines Limited | Engine Serial No.: 68481
Rated Power: 400 KVA | Rated Current: 556 Amp | Rated Voltage: 415V
Serial No.: N23I394666

२. जेनेरेटर नं. २ को मर्मत सम्भार स्कोप (Servicing Scope):

S.N.	Description of Work	Specification	Qty
2.1	Engine Lubricant Oil Replacement (K Oil Super)	Heavy-duty diesel engine oil (K-Oil Super / API CI-4 or equivalent)	As Reqd.
2.2	Fuel Filter Replacement (Primary)	Spin-on / cartridge type primary fuel-water separator / pre-filter	1 No
2.3	Fuel Filter Replacement (Secondary)	High-efficiency secondary fuel micro-filter element	1 No
2.4	Lub Oil Filter Replacement (Primary)	Full-flow spin-on primary lube oil filter	1 No
2.5	Lub Oil Filter Replacement (Secondary)	Bypass / secondary lube oil filter element	1 No
2.6	Alternator Inspection & Servicing • Winding Insulation Resistance (IR) Test • Bearing, AVR & Terminal Connection Check	• Winding Insulation Resistance (IR) Test using a Megger • Bearing greasing/check, AVR functionality, and terminal connection tightening	1 Set
2.7	Complete Servicing & On-site Commissioning	General Inspection, Battery health check, Coolant level/quality check & Full Trial Run	1 Job



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- मेसिनको आधारभूत विवरण: Microwave waste shredder and sterilizer

Manufacturer: Bertin Technologies, France

Model: Sterilwave 100 | **Reference:** 008214-300-RD001 | **Serial number:** 080

Power: 28 KVA | **Voltage/Frequency:** 400V TRI 50Hz

१. मेसिनको पूर्ण प्राविधिक मर्मत सम्भार सम्बन्धी विवरण (Full Servicing / Overhaul Scope):

S.N.	Description of Work / Technical Scope	Equipment Specification & Component	Qty
1.1	Trap Door / Loading Door Motor & Actuator Assembly Replacement OEM Door Drive Motor & Gearbox Supply and Installation	Bertin Sterilwave 100(Trap Door Assembly)	1 Set
1.2	Electrical System Inspection & Servicing - Main Power Supply, Contactors & Protection Relay Check - Earthing, Phase Sequence & Insulation Resistance Testing - General Lubrication and Preventive Maintenance	400V TRI 50Hz, 28KVA Supply	1 Job
1.3	On-site Commissioning & Full Load Test Run - Idle-Restart Safety Checks after Prolonged Downtime - Complete Operational Test Cycle (Empty & Loaded Run) - Disinfection Performance / Cycle Validation Report	Dadeldhura Hospital Site	1 Job



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- मेडिकल अक्सिजन जेनेरेसन प्लान्टको प्राविधिक सर्भिसिङ, नियन्त्रण बोर्ड फेरबदल तथा स्पेयर पार्ट्सको प्राविधिक विवरण तथा स्कोप (Technical Scope & Specs)

१. अक्सिजन प्लान्ट नं. १ को प्राविधिक विवरण (Plant No. 1: Suzhou Nate Cloud 80 Nm³/h System):

S.N.	Description of Work / Technical Scope	Equipment Specification & Model	Qty
1.1	Rotary Screw Air Compressor Maintenance Kit • Synthetic Compressor Oil Fluid Replacement (100% capacity) • Air Intake Filter Element Replacement • Oil Filter Element Replacement • Internal Air-Oil Separator Core Cartridge	LIUTECH Model: LU132-8G NG (132 kW Motor, 24.3 m ³ /min)	1 Set
1.2	Refrigerated Air Dryer Maintenance & Line Filters • Pre-filter, Micro-filter & Carbon Elements • Condenser Coil Cleaning & Gas Pressure Check • Auto Drain Valve Servicing / Kit Replacement	LIUTECH Model: LD-250 (R410A Refrigerant, 25 m ³ /min)	1 Set
1.3	High-Pressure Oxygen Booster Seal Kit • PEEK/Teflon Piston Rings & Guide Rings • High-Pressure Rod Seals Replacement • Safety Relief Valve Pressure Testing (150 Bar)	Anshan Jiapeng (80 Nm ³ /h) (15 MPa / 150 Bar Discharge)	1 Set
1.4	PSA Oxygen Generator Unit Overhaul • Pneumatic Valve Block Cleaning & Seal Replacement • Solenoid Valves & Check Valves Servicing • ZMS Adsorber Bed Pressure Integrity Check	Suzhou Nate Cloud NTFO-80 (80 Nm ³ /h PSA Plant)	1 Set
1.5	Oxygen Analyzer Sensor & Calibration • Sensor Cell Replacement / Calibration • PLC Display & Parameter Verification	ChangAi Continuous Monitor	1 No



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1.6	On-site Commissioning & Medical Oxygen Purity Verification • Continuous 4-Hour Full Load Test Run • Output Oxygen Purity Guarantee: Continuous $\geq 93\% \pm 3\%$	Dadeldhura Hospital Site	1 Job
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२. अक्सिजन प्लान्ट नं. २ को प्राविधिक विवरण (Plant No. 2: Novair / CompAir L15 System):

S.N.	Description of Work / Technical Scope	Equipment Specification & Model	Qty
2.1	Compressor Electronic Relay/Controller Board Replacement • OEM Main Control Board / Relay Card Supply & Installation • On-site Terminal Integration, Control Wiring & Setup • Electrical Protection, Phase Sequence & Safety Testing	CompAir L15 Rotary Screw Unit (Model: L15-7.5A, 15 kW / 415V)	1 Set
2.2	Screw Air Compressor Overhaul & Servicing Kit • Air Inlet Filter Element Replacement (6-Month Spec) • Synthetic Fluid, Oil Filter & Separator Element • Oil Sight Glass Inspection & Screw Connections Verification	CompAir L15-7.5A Compressor (S/N: NAR10921172)	1 Set
2.3	Refrigerated Air Dryer Servicing & Line Filters • Complete Line Filter Cartridges Replacement • Auto Drain Valve Servicing & Refrigerant Gas Check	NOVAIR Model: DNS 0125AB (Type 1116A, R134a Gas)	1 Set
2.4	PSA Oxygen Generator Overhaul & Periodic Maintenance • Oxygen Valve Set & Automatic/Manual Valve Overhaul • Exhaust Silence Filter	NOVAIR Model: VL 2750 RN (S/N: 803015, Nominal 118 m ³ /h)	1 Set



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	Element Replacement (12-Month Spec) • Oxygen Filter Element Replacement & Receiver Check		
2.5	Oxygen Purity Analyzer Calibration & Sensor Cell • Sensor Cell Inspection/Replacement & Oxygen Sensor Calibration (Per Novair Periodic Maintenance Specification)	NOVAIR Integrated Monitor	1 No
2.6	On-site Commissioning & Medical Oxygen Purity Verification • Continuous 4-Hour Full Capacity Operational Test Run • Output Oxygen Purity Guarantee: Continuous $\geq 93\% \pm 3\%$	Dadeldhura Hospital Site	1 Job

प्रमुख मेडिकल सुपरिटेण्डेण्ट