



Scope of works

TRANSNET NATIONAL PORTS AUTHORITY

PORT OF CAPE TOWN

RFQ NO TNPA/2022/08/0797/8830/RFQ FOR THE PROVISION OF MAIN ENGINES SPARES FOR PORT AND STARBOARD MAIN ENGINE ON HARBOUR TUG ENSELENI AT JETTY 1, FOR TRANSNET SOC LTD (REG. NO. 1990/000900/30) OPERATING AS TRANSNET NATIONAL PORTS AUTHORITY ("TNPA") AT MARINE SERVICES IN THE PORT OF CAPE TOWN AS A ONCE OFF.

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1 BACKGROUND

Transnet National Port Authority, Port of Cape Town is responsible for the safe, effective and efficient function for the port. TNPA is also required to operate within a legislative and regulatory environment in line with the National Ports Act. The Marine departments' core function is to ensure the following:

- Ensure safe reliable and efficient on-going operations.
- Planning and provision of maintenance and improvement of the functioning of the tug boats.
- Ensure the provision of port services including the management of port activities.
- Ensure that there is proper maintenance for the manoeuvring of vessels within port limits.

Tug Enseleni will be undergoing 30 000 hours major overhaul as a planned maintenance regime under Preventative. This is scheduled based on working hours of the Tug keep the vessel in a safe operating condition based on IMO REGULATIONS which are constantly monitored by South African Maritime Safety Authority.

Based on this exercise, we are required to invite the service providers to quote on spares required to carry out the service as per the guidelines of Transnet Maintenance Strategy. to carryout inspections and repairs and render their services based on the expertise they offer to get the vessel back to a safe operating mode that benefits SOLAS CONVETION, this includes Safety of Life At sea, Safety of the Environment and in particular, safety of the ASSET.

2 SCOPE OF WORKS

This scope of work entails the following but not limited to:

Service provider to cover supply and deliver the genuine spares from the OEM as the originator and manufacture of the spares, and the guarantee provided on delivery.

Work to be conducted

Purchasing of the Main Engines spares and all overhead costs associated with this exercise.

2.1 Spare parts & guarantee:

Parts are to be genuine spares that are guaranteed by the Engines manufacturer. The Contractor is to quote price per item for supply of spares. Contractors shall be responsible for ensuring that all components and materials, which may reasonably be expected for use, are available prior to commencement of work.

Contractor is to have a verifiable "track record" of successful work carried out on similar Voith tractors.

The Equipment details are as follows:

Make: Ruston 6RK 270M

Port AND Starboard and Starboard Main Engines spares for Tug Enseleni.

3 RELIMINARY AND GENERAL

3.1 Location and Access

The site is in the Port of Cape Town, Western Cape, South Africa. Jetty 1 situated at V&A Waterfront and regarded as operational area and thus safety regulation have to be adhered/ taken seriously and work permits will be provided by TNPA supervisor prior any work to be executed.

4 SPECIFICATIONS

The works will entails the following

- 1) As per the requested order.

5 METHODOLOGY FOR WORKS

Once information is gathered and proposed work have been submit for evaluation and approved, the contractor should immediately proceed with the ordering of any equipment and with the systematic manner as per the program produced for the completion of works.

6 PREVIOUS EXPERIENCE

Tenderers are required to demonstrate their experience in the implementation of similar works, and to this end shall supply a sufficiently detailed reference list.

7 PROJECT COST SUMMARY

Part Description	Part Details	Quantity	Unit Price	Total Price
Bolt L/E Short	80.327.01369.301	24 pc		
Bolt L/E Long	80.327.01329.304	24 pc		
Special nut- conn rod	80.327.01446.305	48 pc		
Anti-seize compound (500-gram tin)	80.400.06816.401	2 pc		
Small end bush	80.327.01446.201	12 pc		
Cutting ring	80.309.01138.202	6 pc		
Injector nozzle	80.118.01097.401	12 pc		
spring	80.318.01117.106	12 pc		
Joint intercooler	80.380.02149.005	2 pc		
Joint intercooler	80.380.02149.004	2 pc		
Joint- air bend	80.100.08273.181	12 pc		

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Joint- air ducting	80.315.03083.302	4 pc		
Joint- air ducting	80.315.02878.201	4 pc		
O-ring	80.400.08166.706	2 pc		
O-ring	80.400.08166.728	2 pc		
Filter element	80.421.01534.712	4 pc		
joint	OD19456P06	4 pc		
Joint -cyl head cover	80.416.01183.400	24 pc		
Delivery valve assembly	80.358.01895.010	12 pc		
O-ring	80.458.01690.203	12 pc		
O-ring	80.458.01690.204	12 pc		
washer	80.458.01690.205	12 pc		
Joint ring	11/P458/1096/25	12 pc		
Joint ring	11/P418/1031/11	24 pc		
Element	80.358.01873.014	12 pc		
Turbocharger spares kit 19tps57)	50TPS5797070	2 pc		
Valve seat	11/P418/1146	48 pc		
Valve guide	11/P416/1111/3	24 pc		
Circlip	11/P417/1002/9	48 pc		
Valve-guid exhaust	80.316.01339.306	24 pc		
Split taper nut (pair)	11/R417/107/10	48 pc		
Washer injector	11/P400/092/64	12 pc		
Bearing fuel transfer pump	80.207.01384.133	16 pc		
Main shaft	80.358.01783.001	4 pc		
Idler shaft	80.358.01783.006	4 pc		
Seal assy fuel transfer pump	80.358.01964.007	4 pc		

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Gasket fuel transfer pump	80.207.01384.112	4 pc		
Gasket fuel transfer pump	80.358.01783.002	4 pc		
Bush lub oil pump	80.407.01424.400	8 pc		
Nut M24	11/0084A19	4 PC		
Washer	11/P407/1370/4	4 pc		
Wrapped bush outer	11/P407/1347	4 pc		
Joint ring lub oil pump	11/P407/1151/4	4 pc		
Joint ring lub oil pump	11/P407/1160/3	4 pc		
Part Description	Part Details	Quantity	Unit Price	Total Price
Oil seal	11/P449/1434/5	8 pc		
Tab washer	11/P474/1136/7	2 pc		
Impeller nut	80.374.01236.108	2 pc		
Ball bearing	11/B128051/260	4 pc		
Oil retainer	11/P474/1136/11	2 pc		
Gasket water pump	11/P474/1115/35	2 pc		
Key woodruff	30/011312	2 pc		
Retainer	11/p474/1136/4	2 pc		
Flinger	11/P474/1136/8	2 pc		
Seal assy	11/P474/1115/100	2 pc		
Impeller nut	80.374.01228.016	2 pc		
O-ring	80.374.01246.005	2 pc		
Seal assy	11/P474/1133/100	2 pc		
Ball bearing	11/B128051/260	4 pc		
Oil retainer	11/P474/1136/11	2 pc		
Impeller washer	87.374.01251.008	2 pc		
Impeller key	80.01246.009	2 pc		
Flinger	11/474/1136.8	2 PC		

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Bearing	80.349.01582.704	2 pc		
joint	80.349.01582.306	2 pc		
Joint water pump drive	80.449.01627.301	2 pc		
Stud M12 x 30mm LG	11/40712A28	24 pc		
Lock washer M12	11/2082A18	24 pc		
Nut M24	11/0084A19	2 pc		
Flinger	11/P474/1136/8	2 pc		
Hex. Full nut M12	11/0004A13	24 pc		
joint	80.449.01627.301	2 pc		
Washer M20	11/2079A23	2 pc		
Nut M20 Nyloc	11/0084A17	2 pc		
Thrust plate	80.30501497.400	4 pc		
Banjo bolt	80.300.06771.405	12 pc		
Sealing ring-liner to C'Case	11/R508003/14	12 PC		
Banjo bolt	80.300.06771.402	24 pc		
Sealing	11/R508003/8	12 pc		
Banjo bolt	80.300.06771.403	12 pc		
Bellows exhaust manifold	80.326.04655.200	4 pc		
Washer exhaust manifold	80.326.04288.404	176 pc		
M12 nut stainless st.	80.326.04424.301	176 pc		
Joint exhaust manifold	80.326.04532.303	8 pc		
Special bolt	80.326.04379.303	16 pc		
Joint exhaust manifold	80.326.03728.415	24 pc		
Special	80.326.04379.304	120 pc		
Bellows exhaust manifold	80.326.04253.300	8 pc		

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Joint exhaust manifold	80.326.03907.401	12 pc		
Cylinder liner	80.309.01138.101	12 pc		
Piston	80.322.01418.000	6 pc		

1. All cost associated with providing the service (Fixed and Variable cost) should be included in the cost per unit (excluding VAT);
2. To facilitate like-for like comparison bidders must submit strictly in accordance with the pricing schedule and not utilize a different format. Deviation from this pricing schedule may result in a bid being declared non- responsive.

NOTE: No additional work will be carried out unless discussed with the Marine Technical Manager prior and approval granted in the form of a formal Purchase Order for that additional work.