

The supply and refurbishment of Turbine Centreline Hydraulic Pump Spares to Medupi Power Station. Tender Number: E2777GXLPMED

18 May 2026

Question and Answers:

1. Question

Thank you for the meeting held earlier today in regard to E2777GXLPMED - The supply and refurbishment of Turbine Centerline Hydraulic Pump Spares to Medupi Power Station.

As discussed, I have a question for technical clarification.

We understand the pumps to be installed vertically on top of the oil tank, twin installation with 1 pump operating and the 2nd pump on standby. Is this correct, or are they in parallel operation?

Is the specified required flow rate of 92DM3/S, correct? This equals a flow rate of 5520 U/min.

We have the original datasheet from the OEM below:

<u>Design and Operating Conditions</u>			
Transfer of	HDF Hydraulic oil		
Description		OP 1	Valve point
Viscosity	mm ² /s	15	15
Temperature	°C	60	60
Flow Rate	l/min	510	
Discharge Pressure	barg	40	52
Suction Pressure	barg	0	0
Differential Pressure	barg	40	52
Speed	rpm	2900	2900
NPSH required	mWC	4.7	4.7
Power Demand	kW	40.5	52
Efficiency (vol.)	%	90.4	0
Efficiency (mech.)	%	92.8	94
Sound Pressure Level	dB(A)	72	72
Pump Installation	dry installation		
power transmission			
Applicable Standards and Specifications	Leistritz Standard Procedures based on DIN/EN-Standards		
Site Data	Ambient Temperature	0 .. 40 °C	
	Elevation	<= 1000 m	
	Location	Indoor (heated)	
Order execution	Bare shaft pump, interchangeable with previous serial no. 126857- 001 without accessories, without motor.		

This shows a flow rate of 510 U/min per pump.

Is the 92 DM3/s flow rate, correct?

Please may we have some clarification on the performance parameter of the pumps?

Answer:

Please note that the pumps are submerged inside the oil tank. Only the electric motor remains mounted and coupled on top of the tank.

Under normal operating conditions, one pump operates while the second pump remains on standby.

At this stage, I do not have the confirmed flow rate values available for the pumps. However, the normal operating discharge pressure is approximately 4.0 MPa.

We are currently reviewing the specified flow rate requirement and will provide further clarification once the values have been verified.

2. Question

In order for us to proceed with obtaining a quotation from OEM, we are required to provide the serial numbers of the existing installed pumps. This is a mandatory requirement stipulated by OEM themselves, and we are unable to progress without this information.

Could you please arrange for the serial numbers of the relevant pumps at Medupi Power Station to be provided at your earliest convenience?

Answer:

Item	Material /Description	EXW delivery date	Quantity UNIT
1,0	20000043 pump unit Type L3MF-060/120-IFOKTI-O Customs Tariff Number:	30.08.2024 Serial no. 044772 - 044776 8413 6070 _01	5 pc.