

**Two On-line Oil Filtration Units Technical Specification and Evaluation Form**

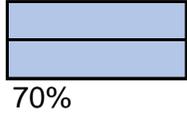
**Vendor**

**Model**

**All Mandatory requirements met**

**Compliance score**

**Threshold**



Element	Requirement	Evidence	Score	Supplier Specification	Score	Remarks
<b>1 a Specifications</b>						
1 a 1. Filtering rate	500 liters per hour or more	Specification supplied by supplier	Mandatory			
1 a 2. Nominal Voltage	220/240 Volt single phase 50/60 Hz or 380 Volt 50/60 Hz three phase	Specification supplied by supplier	Mandatory			
1 a 3. Range of ambient temperature	0-50 degrees	Specification supplied by supplier	Mandatory			
1 a 4. Oil handling range	0-120 Degrees	Specification supplied by supplier	Mandatory			This range refers to the operating of the unit within this temperature range (computer, electronics etc)
<b>1 b. Trailer and Accessories</b>						
1 b1. Trailer	With flip up doors	Specification supplied by supplier	Mandatory			
1 b 2 Trailing cable	20 meters or more	Specification supplied by supplier	4			
1 b 3. Flexible inlet hose	20 meters or more	Specification supplied by supplier	3			
1 b 4. Flexible outlet hose	20 meters or more	Specification supplied by supplier	3			
<b>2 Training</b>						
2 a. Provide on-site training on usage	At Kimberley	Commitment of supplier to send someone to come to Kimberley and demonstrate the operation of the equipment	Mandatory			
2 b. Provide certification for training	Provide certificate	Commitment to provide certificate	10			

2 c. Provide owners manual	Owners Manual	Provide owners manual	Mandatory			
<b>3 Control and Communication</b>						
3 a. Computer assisted operations		Specification supplied by supplier	Mandatory			
3 b. Operate unattended with remote supervision and control		Specification supplied by supplier	Mandatory			
3 c. System status and alarm should be send to SMS or email		Specification supplied by supplier	Mandatory			
3 d. Emergency stop		Specification supplied by supplier	Mandatory			
3 e. Automatic foam control sensor in vacuum chamber		Specification supplied by supplier	5			
3 f.GSM modem or later		Specification supplied by supplier	Mandatory			
3 g. Support all SA Network operators mobile	Vodacom, MTN,Cell C, Telkom	Specification supplied by supplier	10			
<b>4 Panel lights and assesories</b>						
4 a. Level indicator		Specification supplied by supplier	5			
4 b. Flow switch		Specification supplied by supplier	5			
4 c. Oil sight glass		Specification supplied by supplier	5			
4 d. Phase sequence relay		Specification supplied by supplier	5			
4 e.Vacuum indication guages	Pre-chamber,Chamber and Milli-bar	Specification supplied by supplier	5			
4 f. Mechanical flow meter		Specification supplied by supplier	10			
4 g. Pressure protection		Specification supplied by supplier	Mandatory			
4 h. Surge protection		Specification supplied by supplier	10			

4 i. Digital temperatur control		Specification supplied by supplier	5			
4 j. Should not effect fault gasses,disolved gasses annalyses ( DGA) interpretations and other marker like furans and methanol witin the oil		Specification supplied by supplier Certificate of lab as proof	Mandatory			
4 k. Should not effect the oil properties for example oxidation inhibitors and aromatic content		Specification supplied by supplier Certificate of lab as proof	Mandatory			
4 l. Filters should be change easily		Specification supplied by supplier	5			
4 m. Built in exhaust oil mist filter to eliminate oil fumes in the working environment		Specification supplied by supplier	Mandatory			
4 n. PPM Meter (water content meter) for monitoring of oil condition		Specification supplied by supplier	10			It should measure the moisture content of the oil of around 20 ppm
<b>5. Valid calibration certificate</b>	Valid calibration on delivery	Commitement of supplier to issue with delivery	Mandatory			
General						1.These technical criteria only mention the bare minimum requirements. Please provide all information on your unit including features, ranges, specification, after sales services and other additional specifications and aptitudes.2. The average transformer will be a 20 MVA depending on the manufacturer around 12 000 litres of oil.

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Manager PPM NCOU

28 Feb 24

**Tenderers are expected to meet all mandatory requirements**

If not meeting one or more of the mandatory requirements, it will result in automatic disqualification