



REPORT TITLE	Variable Speed Suction Pump		
SERVICES/PRODUCTS REQUIRED	Supply, delivery, and commissioning of the MIS001 Variable Speed Suction Pump with smart vane and omni control		
PROJECT NAME	RTAM Asset Purchases – Transformer laboratory		
COMPILED BY	Name: Thabang Liphoto	Signature: 	Date: 14/10/2024
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1 DESKTOP EVALUATION

1.1 TECHNICAL GATE KEEPERS

Gate Keepers	Returnable
<p>Supply the variable speed suction pump with the following specification:</p> <ol style="list-style-type: none"> 1. MIS001 Mobile vacuum system. 2. Rotary smart vane 55 (PK D80 000). 3. Omni control 200 with TPR 270. 4. Condensation separation. 5. 220V 50/60Hz single phase AC supply. 6. 31 – 50m³/h suction pump speed up to 50m³/h. 7. 800 – 1 350 rpm rotation speed. 8. 40°C Maximum continuous gas input temperature. 9. 220V 50/60Hz single phase AC supply. 10. 15 – 45°C Ambient Temperature. 11. 15 mbar maximum continuous inlet pressure. 12. RS-485 I/O interfaces. 13. IP20 protection degree rating. 	<p>Provide the following documents to confirm the technical gate keepers:</p> <ul style="list-style-type: none"> ▪ Technical Specifications. ▪ Operation and Maintenance Manual. ▪ Warranty and guarantee period. <p>Meet: Provision of <u>all</u> the above required criteria. Disqualify: If any of the gate keepers are not met.</p>

1.2 QUALITATIVE TECHNICAL EVALUATION

No	Evaluation Criteria	Score (Points)	Evaluation of the Returnable
1	Integrated vacuum non-return valve	30	Provide documentation confirming the below: Scoring: <ul style="list-style-type: none"> Integrated vacuum non-return valve: 30 points Non return valve but not vacuum: 5 points If the above requirements are not met: 0 points.
2	Air forced cooling method	30	Provide documentation confirming the below: Scoring: <ul style="list-style-type: none"> Air forced cooling method: 30 points. Cooling method but not air forced: 5 points. If the above requirements are not met: 0 points.
3	0.75 kW Rated power at maximum rotation speed	20	Provide documentation confirming the below: Scoring: <ul style="list-style-type: none"> 0.75 kW Rated power at maximum rotation speed: 20 points. 0.75 – 0.85 kw litres or more in capacity: 10 points. Below 350 litres: 0 points.
4	6A rated current consumption	20	Provide documentation confirming the below: Scoring: <ul style="list-style-type: none"> 6A or lower rated current consumption: 20 points. 6.1A – 7A rated current consumption: 10 points. Above 7A: 0 points.
TOTAL		100 points	
THRESHOLD		80 points	