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<b>Title:</b>  <b>Supply and delivery of laboratory chemicals and consumables at Lethabo power station for a duration of five (5) years.</b>	<b>Document type:</b>  <b>Technical Specification and Evaluation criteria</b>
<b>Compiled by:</b>  <b>Senior Supervisor Chemistry</b> <b>Chemical Services</b>	

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## 1. TECHNICAL SPECIFICATION


1.1	Material	Specification
	❖ Supply and delivery of laboratory chemicals and consumables at Lethabo power station for a duration of five (5) year.	<p>Supply and delivery of laboratory chemicals and consumables on an as and when required basis to Lethabo Power Station as per the attached list of chemicals and their specifications</p> <p><b>Chemical and consumables specifications</b></p> <ul style="list-style-type: none"> <li>Chemicals (except for indicators) Supplied shall be AR grade or GR and must be traceable to NIST.</li> <li>Only Standards with a minimum purity of 99.99% and traceable to NIST shall be supplied.</li> <li><b>Buffer solution supplied should meet the following:</b> <ul style="list-style-type: none"> <li>pH 4.01 Accuracy: <math>\pm 0.01</math> / <math>\pm 0.02</math> pH at 25°C</li> <li>pH 7.00, Accuracy: <math>\pm 0.01</math> / <math>\pm 0.02</math> pH at 25°C</li> <li>pH9.21, Accuracy: <math>\pm 0.02</math> pH at 25°C.</li> <li>pH 10.01 Accuracy: <math>\pm 0.02</math> pH at 25°C</li> <li>pH buffers to be stable for up to 5 years. Expiry date (as printed on bottle) should be 18 months or longer from date received.</li> </ul> </li> <li><b>Packaging:</b> Ready-made buffer solution packaged in a plastic bottle. Buffer solutions must be accompanied with chart containing Temperature versus pH data covering a temperature range of 5°C to 40°C at minimum. Buffer should be Colour coded. Buffers must contain</li> </ul>

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		<p>preservative and/or anti-microbial agent to prevent microbial and mould growth. Buffer solution must be accompanied with Certificate of analysis (COA) with traceability to international standards: NIST</p> <ul style="list-style-type: none"> <li>• The supplier of should be able to supply standards and buffers from two different manufacturing processes</li> <li>• The supplier must be able to provide two types of buffers (preserved for <i>calibration purposes</i> and unpreserved)</li> <li>• The supplier shall supply chemicals together with their 16 point SDS as per OSH ACT 85 OF 1993 ANNEXURE: 8 and COA corresponding to specific batch. Chemical expiry date must be indicated on the bottle and/or the corresponding COA and shall not be less than 1 year from date received. Preferably 2-5 years.</li> <li>• The chemicals delivered shall be sourced from a manufacturer that SO 9001:2015 ISO 17034 / ISO Guide 34 and ISO 14001 Certified.</li> <li>• Labelling of Chemicals to be done in accordance with SANS 10234 and the Supplement to SANS 10234 - List of classification and labelling of chemicals in accordance with the Globally Harmonized System (GHS). The following information as a minimum shall be on the on the container label:</li> <li>• The molecular formula of the chemical for further identification.</li> <li>• Name of the Manufacturer</li> <li>• Size of container of chemical.</li> <li>• Hazard classification of the chemical as per SANS 10234 Globally harmonized system of classification (GHS)</li> </ul>
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		<ul style="list-style-type: none"> <li>• Expiry Date/ minimum shelf life</li> <li>• Concentration (where appropriate)</li> <li>• Chemical Abstracts Service (CAS) number</li> <li>• Batch/lot number</li> <li>• Date manufactured</li> <li>• Packing and transportation of chemicals shall be done in accordance with SANS 10229-1 and SANS 10229-2</li> <li>• Supplier if not a manufacture to provide method statement how chemicals will be transported and stored from point of departure from manufacture up to where chemicals are delivered to Lethabo PS.</li> </ul> <p><b>Consumables</b></p> <ul style="list-style-type: none"> <li>• Only A grade borosilicate glass for volumetric glassware should be supplied by the supplier.</li> <li>• All volumetric glassware supplied should be graduated and calibrated at 20°C from the manufacture and each glassware supplied should be accompanied by calibration certificate.</li> </ul> <p>All sample bottles supplied should be graduated and have wide mouth for ease of sampling</p>
1.2	Additional Requirements	

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	N/A
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## 2. FUNCTIONALITY: (TECHNICAL EVALUATION)

Qualitative Technical Evaluation Criteria		Returnable with the RFQ/tender	Score
1.	Tenderer must have a track record and experience of supply and delivery of laboratory chemicals and consumables and must have supplied 50% of chemicals covered by contract scope of work.	<p>Tender Returnable: Provide Referral letter of previous work done in supply and delivery of laboratory chemicals and consumables covered by contract scope of work with contactable references or official company purchase order.</p> <p><b>References provided must be contacted successfully</b></p>	30%


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Qualitative Technical Evaluation Criteria		Returnable with the RFQ/tender	Score
	references will be contacted to establish experience, work ethics and standard of customer service		
2.	Supplier must be ISO 9001 certified or if not OEM, a certificate from manufacturer where supplier will outsource the chemicals and consumables covered by the scope of work must be provided.	ISO 9001 Certificate	30%
3.	Supplier to provide confirmation letter from OEM committing support and availability of chemicals and consumables covered by the scope of work for the duration of the contract <b>(confirmation letter provided must be from the same supplier(s) as reflected on the ISO 9001 certificate)</b>	Confirmation letter from OEM  Or  Manufacture's declaration letter	20%

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Qualitative Technical Evaluation Criteria		Returnable with the RFQ/tender	Score
	If supplier is an OEM, provide Manufacture's declaration letter for the chemicals and consumables covered by the scope of work.		
4.	Supplier must be ISO 14001 certified or if not OEM, a certificate from manufacturer where supplier will outsource the chemicals and consumables must be provided.	ISO 14001 Certificate	20%



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### 3. TECHNICAL EVALUATION SCORING METHODOLOGY: SUPPLY OF LABORATORY CHEMICALS


Percentage	0	5	10	20	30
1.	0-year experience or zero customer official purchase order	1 referral letter with contactable reference or one official purchase order	2–3 referral letters with contactable references or two official purchase order	3–4 referral letters with contactable references or three official company order	5 or more referral letters with contactable references or five or more official company purchase orders
2.	OEM or supplier is not ISO 9001 certified/accredited	-	-	-	OEM or supplier is ISO 9001 certified
3.	Confirmation letter or OEM declaration letter not provided	-	-	Confirmation letter or declaration letter provided.	-

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4.	OEM or supplier is not ISO 14001 certified/accredited	-	-	OEM or supplier is ISO 14001 certified/accredited	-

REQUIREMENT	SCORE (%)	REMARKS
Technical specification	Min 80	Proposals will be required to meet a 80% functionality qualifying score in order to be evaluated further and proposals that fail to achieve the minimum qualifying score for functionality will be disqualified.

**FUNCTIONALITY:** Chemical Service personnel

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