

**TECHNICAL EVALUATION CRITERIA : SUPPLY AND DELIVERY OF RAW WATER PRE-TREATMENT CHEMICALS FOR POTABLE WATER PRODUCTION**

\* **First stage Evaluation: Tender documents and Jar Test Results**  
 Proposals will be required to meet 60% qualifying score in order to be allowed to do Pre-contract trails (2nd stage) on the plant.  
**Second Stage Evaluation: Pre-contract Trail**  
 will be required to meet a total of 70% (inclusive of the 1st stage score) qualifying score to be deemed technically suitable.

Proposals

Sections		KPI - Criteria Evaluation Indicator	Source	%	0	2	4	5	Score
<b>SECTION 1: TECHNICAL REQUIREMENTS</b>									
Stage 1 Criteria	<b>Technical requirements</b>				0%	40%	80%	100%	
	1	Technical Personnel Qualification	CV of the responsible person with related work experience as per the SOW to be executed	10%	< 2 years or work mentioned is not related to the SOW to be executed	2 - 4 but < 5 years with related work as per SOW to be executed	2 - 4 but < 5 years with related work as per SOW to be executed	5 or more years with related work as per SOW to be executed	
	2	Previous work experience report	Report with all the details as per SOW	10%	0 references or references are mentioned but with no additional details	1 - 2 references and most of the points mentioned in each reference	3 - 4 references and most of the points mentioned in each reference	5 or more references in report and all 5 points mentioned in each reference	
	3	NSF/ANSI 60 Certification and/or SANS Compliance	NSF/ANSI 60 certificate and/or Certificate of analysis for SANS compliance for the proposed chemicals	20%	0 chemical complying	1 chemical complying		Both (2) chemicals complying	
	4	Detailed MSDS	Material data and Specification Sheets	5%	0 MSDS attached	1 MSDS attached for 1 chemical		2 MSDS attached for both chemicals	
	5	Laboratory selection report at Matsa Power Station	Test report with all the requirements as per SOW MEP-051315 Section 2.15	10%	1 or none of the requirements are mentioned in the test report	Test report only mentions 2 of the requirements	Test report only mentions 3 of the requirements	Test report mentions all 4 requirements	
6	Jar Test Results	Test results as mentioned in test report	20%	< 30% TOC removal and/or Turbidity > 3 NTU	≥ 30% to < 35% TOC removal and Turbidity < 3 NTU	≥ 35% to < 40% TOC removal and Turbidity < 3 NTU	≥ 40% TOC removal and Turbidity < 3 NTU		
<b>TOTAL SCORE FOR 1ST STAGE EVALUATION BEFORE COMMENCEMENT TO 2ND STAGE</b>									<b>0</b> must be ≥60%
Stage 2 Criteria	7	Trail report	Trail report with all the requirements as per SOW MEP-051315 Section 2.16	5%	Test report with only 3 or less of the requirements mentioned or no report included	Test report only mentions 4 of the requirements	Test report only mentions 5 of the requirements	Test report mentions all 6 requirements	
	8	Pre-contracting trails	Test results as mentioned in the trail report	20%	< 30% TOC removal and/or Turbidity > 3 NTU and/or residual aluminum > 300 µg/l	≥ 30% to < 35% TOC removal, Turbidity < 3 NTU and residual aluminum < 300 µg/l	≥ 35% to < 40% TOC removal, Turbidity < 3 NTU and residual aluminum < 300 µg/l	≥ 40% TOC removal, Turbidity < 3 NTU and residual aluminum < 300 µg/l	
<b>TOTAL SCORE FOR STAGE 1 AND STAGE 2 EVALUATION</b>									<b>0</b> must be ≥70%

Details to be included in each reference mentioned in the previous work report: (1) Name of plant and water source; (2) Raw water quality; (3) Clarifier outlet % Turbidity removal; (4) Clarifier outlet % TOC removal; (5) Dose rate and treatment cost R/M<sup>3</sup>; (6) Details for contact person which includes - name, telephone numbers and company name

Test report should include: (1) Raw water quality as per Matla sample; (2) % Turbidity and % TOC removal; (3) Test method followed (which includes mixing times and rpm); (4) Name of products used with dosing rate and Turbidity analysis

Final trail report should include: (1) Raw water quality at time of trail; (2) % Turbidity and % TOC removal; (3) Test method followed (which includes mixing times and rpm); (4) Name of products used with dosing rate and Turbidity analysis; (5) Potable clarifier operating details as the time of the trail (including impeller speed, bridge drive speed etc.); (6) Before and after treatment pictures of plant and water conditions