Technical Evaluation Criteria score sheet

	Mandatory Technical Criteria Description	***Supplier requirement* Returnable (e.g. certificate or reference material)**	**Criteria for scoring (Y/N)**
1.	The *Contractor* must provide proof consisting of case studies where this technology has been tested and installed in industrial applications in the world.	The Contractor submits the case study reports detailing the water which was tested including qualities as well as the results from the test.	The information provided meets the requirements
2.	The pilot skid must be trailer mounted, with all the cleaning equipment incorporated as well.	The Contractor submits drawings or a statement that the equipment is trailer mounted.	The information provided meets the requirements

Mandatory criteria are ‘must meet’ criteria. These criteria shall not be weighted or point scored and shall be assessed on a yes/no basis as to whether the criteria are met. An assessment of ‘No’ against any criterion shall technically disqualify the tenderer and shall not be further evaluated against qualitative criteria.

The technical evaluation criteria for this contract comprise mandatory and qualitative criteria. The threshold of 70% must be met to confirm that the contractor will be able to conduct the test work

All responsive tenders will be evaluated further for non-negotiable functionality threshold.

Desktop technical evaluation

	Overall weight	Measure/ Evidence
1.CONTRACTORS EXPERIENCE Company must have experience in commercial or pilot applications of the proposed water treatment technologies.	**10%**	Number of commercial or pilot application projects using the proposed water treatment technologies. This must include: a. Project Title and Scope of project for each project b. Contact details of customer (Employer reserves the right to contact the customer) c. Purchase order number for project 10% = 3 or more projects with all requested (a, b, c) information 8% = 2 or more projects with all requested (a, b, c) information 4% = 1 or more projects with all requested (a, b, c) information 0% = 0 projects or no information provided.
2. LAB TEST PROPOSAL The Contractor must supply a proposal for the lab testing of the various wastewaters.	**15%**	The proposal must include the following information: 1. Operating pressure, 2. The type of membranes to use, 3. The shear rate, 4. Operating temperature 5. pH conditions 6. Flux 15% = the proposal includes all the information above 12% = the proposal includes at least 4 of the 6 points above 6% = the proposal includes at least 2 of the 6 points above 0% = no proposal submitted.
3. PILOT TEST PROPOSAL The Contractor must supply a proposal for the pilot testing of the various wastewaters.	**15%**	The proposal must include the following information: 1. Determine the optimum operating pressure 2. Pre-treatment optimisation 3. Determine flux rates and achievable concentration with a range of operating conditions; 4. Determine the maximum recovery 5. Determine the cleaning requirements and regime; 6. Determine required membrane area; and 7. Determine the degree of deterioration of membrane performance over time 15% = the proposal includes all the information above 12% = the proposal includes at least 5 of the 7 points above 6% = the proposal includes at least 3 of the 7 points above 0% = no proposal submitted.

4. MEMBRANE AREA The industrial membrane area per module must be at least 100m^2	**10%**	The contractor must provide information with regards to the industrial membranes produced and the membrane area must be at least 100m^2 10% = industrial membranes is between 100-120m^2 8% = industrial membranes is between 60-100m^2 4% = industrial membranes is between 40-60m^2 0% = no information provided of industrial membranes is < 40m^2
5. PILOT SKID REQUIREMENTS For the pilot scale rig must have the following requirements.	**15%**	The requirements of the rig as a minimum are as follows: 1. Element stack of approximately 15-25 membranes. 2. The system must also be automated with loggers installed to log all the physical parameters (flow, pressure and temperature). 3. The Pilot test skid must be completely independent and must not require any utilities from the Employer, e.g. electrical supply, or compressed air supply. 4. The contractor must supply the pump, piping, valves and any other equipment required to supply the skid with the water, as well as to discharge the clean water back into the Eskom plant. 15% = the rig meets all the requirements above 0% = no information provided or these requirements are not met
6. OPERATING REQUIREMENTS The contractor must also include resources for operation. Chemicals required for the duration of the trial must also be provided by the contractor.	**15%**	The contractor indicates that allowance has been made for this requirement. The proposal must indicate all the operating costs in accordance with the scope of work. 15% = Allowance is made for this requirement 0% = No allowance is made for this requirement
7. MAINTENANCE REQUIREMENTS The contractor must include resources for maintenance. The contractor must also supply all the spares required for the maintenance of the system, as well as the spares to address any defects on the system.	**10%**	The contractor indicates that allowance has been made for this requirement. The proposal must indicate all the maintenance costs in accordance with the scope of work. 10% = Allowance is made for this requirement 0% = No allowance is made for this requirement
8. SANAS ACCREDITATION Monthly analysis needs to be done by an ISO 17025 accredited laboratory.	**10%**	Certificate of the ISO 17025 laboratory to be submitted confirming that all the required analysis can be done by this laboratory. 10% = Certificate is submitted for the laboratory to be used. 0% = No certificate is submitted.