Technical Evaluation Criteria

NOTE: The Qualitative Technical Evaluation Criteria exclude the Quality Assurance (QA) programme requirements, which will be evaluated separately.

Mandatory Technical Evaluation Criteria		Meet (YES/NO)	Motivation and Comments
1	The Tenderer shows a list of traceable references of their (or their sub-contractor's) successful design and implementation of at least 2 electromagnetic flow meters for nuclear power plants, including the long term results of the implemented components that demonstrates the effectiveness of the components.		

Qualitative Technical Evaluation Criteria	Requirements	Criteria	Deliverables	Weighting	Rating	% Rating	% Score	[Supplier] Response	Eskom Comments
1. PRODUCTS / SERVICE	Compliance to Procurement Specification 240-165754047 including calibration in test loop similar to Koeberg plant configuration and compilation of ASME compliant design specification.	Proof that requirements are met.	Document showing that each requirement is met for Procurement Specification 240-165754047. The Tenderer includes a list of exclusions and deviations. This list explains the proposed exclusion/deviation, the rationale for the exclusion/deviation, any technical data supporting the exclusion/deviation and historical experience supporting the exclusion/deviation.	**70.0%**		0.00%	0%		
			Proof of access and readiness to test loop calibration similar to Koeberg plant configuration, including required equipment non-ASME qualified flow meter and non-return valves. Proof that the calibration loop testing company has a quality management system in accordance ISO 9001 or similar for assurance of valid test results.	**7.5%**		0.00%	0%		
			Proof that Design Specification in compliance with ASME Sections III NC and XI, can be compiled and/or supplied.	**7.5%**		0.00%	0%		
	The tender concurs with the Supply Contract.	Proof that requirements are met and include Guarantee and Warranty. State the period of Guarantee and period of Warranty.	Document showing that each requirement of the Supply Contract is met including Guarantee period and Warranty period.	**15.0%**		0.00%	0%		
	TOTAL WEIGHTING			**100%**	**NON-COMPLIANT**	**0.00%**	0.0%		
2. COMPANY PROFILE	Organogram in place.	This organogram is well balanced and shows the functional areas from CEO/MD down to the site management and the roles each member plays in delivering the specific required services.	Provide organogram of multi-disciplinary company highlighting key positions and how they will interface with the Employer.	**35%**		0.00%	0%		
	Proof of previous projects and that supplier is Original Equipment Manufacturer.	This submission includes customer surveys, referrals and traceable references. The references include a clear description of the project that was completed by the Tenderer, including location and the client's contact details.	Submit a portfolio of previous projects in the nuclear industry, or as a minimum in highly regulated industries which shows relevant past experience with electromagnetic flow meter components.	**35%**		0.00%	0%		
	Strategy on use of South African local resources.	Proof of strategy and local office.	Provide strategy document, proof of local office and demonstrate strategy for use of South African local resources.	**15%**		0.00%	0%		
	Suitability and capability of facilities (offices, workshop and warehouse).	Proof that facilities are adequate for the design, supply of material, manufacturing, testing and storage activities.	Provide document describing facilities where design, supply of material, manufacturing, testing and storage activities will be performed, including quantity of staff and pictures of facilities.	**15%**		0.00%	0%		
	TOTAL WEIGHTING			**100%**	**NON-COMPLIANT**	**0.00%**	0.0%		

3. EXPERIENCE OF KEY PERSONNEL	Appropriately skilled & qualified personnel at all operational levels.	Qualified, professionally registered and trained staff assigned to appropriate roles in the company organogram. Project Management, Engineering, Quality Control, Health & Safety and Environmental personnel must be well experienced and possess appropriate certification, professional registration and experience to match their field of expertise to deliver the project successfully and satisfy the Supply Contract. The information provided must match the supplied organogram contained within the project management plan.	Project Management and planning staff (Professional Registration), CVs.	**10%**		0.00%	0%		
			Engineering staff (Professional Registration) to perform design, CVs.	**30%**		0.00%	0%		
			Quality Control staff (Professional Registration) to oversee documentation and onsite activities, CVs.	**5%**		0.00%	0%		
			Health & Safety and Environmental officer (Professional Registration), CVs.	**5%**		0.00%	0%		
	Appropriate PWR Nuclear design and maintenance experience in mechanical, instrumentation and electrical disciplines for 10 years.	Proof of experience.	Provide previous experience of PWR Nuclear design, codes and standards including maintenance experience in mechanical, instrumentation and electrical disciplines for 10 years.	**50%**		0.00%	0%		
	TOTAL WEIGHTING			**100%**	**NON-COMPLIANT**	**0.00%**	0.0%		
4. TRAINING PROVISION	On job training provision and assessment of trainees and trainers.	Capable to train Koeberg staff on electromagnetic flow meter design, operation, maintenance and troubleshooting.	Training course content to be provided.	**40%**		0.00%	0%		
			Sample of expected training manual to be provided.	**40%**		0.00%	0%		
	Training references from previous nuclear sites installations.	Proof of previous training experience on electromagnetic flow meter design, operation, maintenance and troubleshooting.	Provide proof including course content/presentations and attendance registers of previous training courses at other PWR nuclear plants.	**20%**		0.00%	0%		
	TOTAL WEIGHTING			**100%**	**NON-COMPLIANT**	**0.00%**	0.0%		
5. VALUE TO KOEBERG	Availability to provide 24hr service up to and including installation and commissioning.	Available to provide 24hr service up to and including installation and commissioning.	Provide organogram and strategy.	**20%**		0.00%	0%		
	Ability to provide engineering support for entire life cycle including design through to installation and commissioning.	Capable to provide engineering support for entire life cycle including design through to installation and commissioning.	Provide organogram and strategy.	**30%**		0.00%	0%		
	Spares availability and lead times; Supplier to identify critical spares should issues happen during installation; and critical spares to be stored on site.	Critical spares to be available to resolve troubleshooting and subsequent delays at factory and Koeberg site to minimise delays.	Provide critical spares list and strategy to have the spares at the factory and Koeberg site.	**25%**		0.00%	0%		
	Spares availability for 20 years to minimise obsolescence risk.	Spares to be available for 20 years, to minimise obsolescence risk.	Provide commitment that spares will be available for 20 years to minimise obsolescence risk.	**25%**		0.00%	0%		
	TOTAL WEIGHTING			**100%**	**NON-COMPLIANT**	**0.00%**	0.0%		

6. METHODOLOGY	Location (local supporting office).	There should be an office situated in South Africa to provide support to minimise logistical challenges.	Proof of local office in South Africa.	**30%**		0.00%	0%		
	Schedule.	Schedule requirements to be met.	Basis of schedule document to be developed, including assumptions that the schedule is based on. The unique attributes of the project should be apparent in this document.	**15%**		0.00%	0%		
			The schedule shows a list of comprehensive activities with logical links/ sequence/ relationships that connect the various activities together and shows all hold points. A comprehensive description of each activity, including the name and designation of the responsible person.	**15%**		0.00%	0%		
			Schedule to have resource assignments that will depict the number of different craft labour to accomplish project objectives.	**10%**		0.00%	0%		
			All key milestone dates and major integration interface milestones to be shown under a specific Key Dates WBS.	**15%**		0.00%	0%		
			Any other tracking tools that are necessary to ensure the rules of credit are valid. This is to ensure the accurate measure of progress during the life of the project.	**15%**		0.00%	0%		
	TOTAL WEIGHTING			**100%**	**NON-COMPLIANT**	**0.00%**	0.0%		

Final Analysis					
1. PRODUCTS / SERVICE		**70%**	**0.0%**		
2. COMPANY PROFILE		**5%**	**0.0%**		
3. EXPERIENCE OF KEY PERSONNEL		**10%**	**0.0%**		
4. TRAINING PROVISION		**5%**	**0.0%**		
5. VALUE TO KOEBERG		**5%**	**0.0%**		
6. METHODOLOGY		**5%**	**0.0%**		
TOTAL		**100%**	**0.0%**		

SEE NOTES ON NEXT PAGE.

Tender Technical Evaluation Criteria for Mod. 02023 Procurement Specification 240-165754047
- Electromagnetic Flow Meters for RIS 014 MD and RIS 015 MD

The scoring of the Qualitative Technical Evaluation Criteria is conducted as follows:
A supplier is given a score in each of the sub-categories. These sub-categories are requirements detailed in the specification or contract. Scores are allocated as follows:

NOTE: The scoring table does not allow for scoring of 1 and 3.

0 - 0% - Totally Deficient or Non-Responsive

2 - 40% - Non-Compliant
- Does not meet technical requirement(s) AND/OR;
- Unacceptable technical risk(s) AND/OR;
- Unacceptable exceptions AND/OR;
- Unacceptable conditions.

4 - 80% - Compliant with Associated Qualifications
Meet technical requirement(s) with;
- Acceptable technical risk(s) AND/OR;
- Acceptable exceptions AND/OR;
- Acceptable conditions.

5 - 100% - Compliant
- Meet technical requirement(s) AND;
- No foreseen technical risk(s) in meeting technical requirements.

The overall score for functionality criteria is analysed as follows:
0% - 69% - Does not meet
70% - 100% - Meet

NOT MEET

COMPILER: ZIA MIA / JOHN VENTER / DEON KRUGER (DESIGN ENGINEERS)

SIGNATURE:

REVIEWER: JACO BOTMA (PROJECT MANAGER)

SIGNATURE: 03/04/2023

APPROVER: RAVID GOLDSTEIN (DESIGN ENGINEERING MANAGER)

SIGNATURE: 2023/04/03