High Voltage Testing and Offline Partial Discharge Measurement on Turbine and Hydro Generators Technical Evaluation (Ref SOW: X-4577106-0303 Rev: 1)

Table 1: Technical Evaluation Team (TET) Members

TET Number	TET Member Name	Unique Number	Designation	TET Member Responsibility		Appointed? (Yes/No)
				Mandatory Criteria	Qualitative Criteria	
TET 1	Thokozane Mthombeni	4577106	Works Engineer	X (Criteria 1 to 7)	X (Criteria 1 to 3)	Yes
TET 2	Errol Mathebula	4523741	Works Engineer	X (Criteria 1 to 7)	X (Criteria 1 to 3)	Yes
TET 3	Joshua Lengwati	1384684	Works Senior Engineer	X (Criteria 1 to 7)	X (Criteria 1 to 3)	Yes

TET Initials: _____

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Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria	Compliant? (Yes/No)	TET Comments and References from Submissions
1.	Resonant HV test set >/= 50 kV AC, 1250 MVA	Certified and valid calibration certificate	Technical requirement		
2.	Insulation resistance test equipment >/= 5 kV DC	Certified and valid calibration certificate	Technical requirement		
3.	Offline PD test set	Certified and valid calibration certificates	Technical compliance		
4.	Tan Delta test	Certified and valid calibration certificates	Technical compliance		
5.	ISO 45001:2018 certificate	Certified and valid copy of ISO 45001:2018 certificate	Safety compliance		
6.	ISO 9001:2015 certificate	Certified and valid copy of ISO 9001:2015 certificate	Quality compliance		
7.	Competent personnel	Evidence of appropriate training and declared competency to carry out electrical testing on high voltage plant such as turbine and hydro generators (e.g. ORHVS certificate or training), including competence to operate the test set	Safety compliance		

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Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Evaluation Range	Criteria and Sub Criteria Weighting (%)	Weighted Score in (%)	TET Comments and References from Submissions
1.	**Technical experience in generator offline tests**		Relevant and signed reference letters, indicating number of tests done, contract details, and contact information		**60%**		
	1.1	HV (Hi-pot) test experience	Relevant and signed reference letters, indicating number of tests done, contract details, and contact information	0% = 0 tests 40%= 1 test 80%= 2 to 5 tests 100%= 6 or more tests	*35%*		
	1.2	Offline PD test experience	Relevant and signed reference letters, indicating number of tests done, contract details, and contact information	0% = 0 tests 40%= 1 test 80%= 2 to 5 tests 100%= 6 or more tests	*35%*		
	1.3	Wedge tightness test experience	Relevant and signed reference letters, indicating number of tests done, contract details, and contact information	0% = 0 tests 40%= 1 test 80%= 2 to 5 tests 100%= 6 or more tests	*20%*		

TET Initials: _____

	1.4	Tan Delta test experience	Relevant and signed reference letters, indicating number of tests done, contract details, and contact information	0% = 0 tests 40%= 1 test 80%= 2 to 5 tests 100%= 6 or more tests	*10%*		
	Qualitative Technical Criteria Description		**Reference to Technical Specification / Tender Returnable**	**Evaluation Range**	**Criteria and Sub Criteria Weighting (%)**	**Weighted Score in (%)**	**TET Comments and References from Submissions**
2.	Average turnaround time (TAT) for test results/reports		Proof or signed/relevant reference letters from 3 or more tests done (not older than 3 years at the time of submission) indicating when the HV (Hi-pot) or PD test was done and when results/reports (final or preliminary) were communicated/submitted to customers for acceptance, including contact details	0% = No proof of TAT 40%= 15 to 30 days TAT 80%= 3 to 14 days TAT 100%= 2 days or less TAT	**20%**		
3.	Competence in analysing Offline PD and Tan Delta test results and giving recommendations to customers		Proof of customer accepted final reports (not older than 3 years at the time of submission), including test results, analysis, recommendations, and customer details	0% = 0 reports 40%= 1 report 80%= 2 to 5 reports 100%= 6 or more reports	**20%**		
Minimum Weighted Final Score > 70%					**TOTAL: 100%**		

TET Initials: _____

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Compiled by	Functional Responsibility	Authorised by
……	……	……
T Mthombeni	**T Ncaba**	**X Ngidi**
Works Engineer	**Gen Services Manager**	**Works Engineering Manager**
Date: 07/10/2025	Date: ……	Date: ……

TET Initials: _____