

**Report**

Transmission

Title: **NamPower 2nd 400kV
Interconnector - Tender
Evaluation Returnables**

Template Unique Identifier: **240-141157901**

Template Revision: **3**

Project Unique Identifier: **Tx.2019-027**

Document Unique Identifier: **LES1218**

Area of Applicability: **Engineering**

Documentation Type: **Report**

Revision: **1**

Total Pages: **5**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED
DISCLOSURE**

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Date: 14 November 2022

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Date: 17 Nov 2022

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Services and Design Review
Chairperson**

Date: 29/11/2022

TECHNICAL EVALUATION CRITERIA
NamPower 2nd 400 kV Interconnector

LIST OF TECHNICAL RETURNABLES FOR OPEN TENDER

It must be noted that the supplier(s) must submit safe working procedures for the construction of a new 400 kV powerline.

Please submit all Engineering documentation described in the tables below in a separate file.

The documents must be submitted in a **numbering** sequence as described in the table below; otherwise the tender submission will not be evaluated.

The file must be clearly marked **Engineering Tender Returnables - NamPower 2nd 400 kV Interconnector** i.e. the information submitted must only be related to Engineering and not to SHEQ.

Please note that the minimum Technical (also called Engineering) score to qualify is **80%**. All safe work procedures are mandatory.

This evaluation will be done purely on the documentation provided, however Eskom reserves the right to conduct scheduled or unscheduled visits to offices, factories and construction sites.


Please note that the following are supplied “free-issue” by Eskom (Eskom reserves the right to change the free-issue items):

- * Phase conductor,
- * Groundwire,
- * Insulators and
- * Line hardware (including spacer dampers and rigid spacers).

In addition Eskom will provide design documents, specifications, tower drawings and line profile details.

The following items are to be supplied and installed by the Contractor:

- * Foundations – concept designs will be provided by Eskom, however the Contractor will be responsible for the appropriate use (depending on site and geotechnical conditions) of the foundation designs. In addition contractors can also provide their own foundation designs for acceptance by Eskom;
- * Towers, poles and other structures;
- * Line labels must be installed as per Eskom standard 240-75660336 entitled “Substation and Network Equipment Label Specification” and Eskom standard 240-120804300 entitled “Standard for the Labelling of High Voltage Equipment;” and,
- * Miscellaneous items (including aircraft warning spheres, bird diverters, anti-bird perch devices, anti-vandal fasteners, etc.).

 Transmission Engineering Line Engineering Services (LES)		Engineering Tender Evaluation Returnable Form (for a Transmission Powerline)				Template No.: Template Rev.: Document No.: Document Rev.:	240-141157901 3 LES1218 1
Name of Project:		NamPower 2nd 400 kV Interconnector				Name of Supplier:	
Item	Description	Select Option	Tick Applicable Box	Score by Evaluator	Weighting	Details to be submitted in engineering returnables file	Comments from Evaluator
1	Specify the registration (SAGC) and power line experience of the proposed SURVEYOR to be used	No Registration or registered with no power line experience (0)		0	5%	Provide name & professional registration and list power line projects as surveyor.	
		Registered with one or more power line project experience (5)					
2.1	Specify the registration and power line experience of the proposed SOIL PROFILER to be used. (requirement: ECSA registered Civil Engineer/Technologist with Pr. Eng. or Pr. Tech. Eng. or Engineering Geologist with Pr. Nat. Sci. registered with SAIEG).	No Registration or registered with no power line experience (0)		0	10%	Provide name & professional registration of the person and list power line projects as soil profiler	
		Registered with one or more power line project experience (5)					
2.2	Specify the registration and power line experience of the proposed FOUNDATION DESIGNER to be used. (requirement: ECSA registered Pr. Eng. or Pr. Tech. Eng. (Civil/Structural), also to be responsible for signing off safe work procedures)	No Registration or registered with no power line experience (0)		0	10%	Provide name, registration and list power line projects as foundation designer and person responsible for compiling the safe work procedure	
		Registered with one power line project experience (5)					
2.3	Specify the experience of the proposed FOUNDATION SITE SUPERVISOR to be used (requirement: <u>at least two</u> transmission power line project experience as a foundation supervisor)	One or no power line projects (0)		0	5%	Provide name and list power line projects as foundation supervisor	
		Two or more power line projects (5)					
3.1	Specify the experience of the proposed TOWER ASSEMBLY & ERECTION SITE SUPERVISOR to be used. (requirement: <u>at least two</u> minimum 400kV power line project experience as a tower assembly and erection supervisor)	One or no power line projects (0)		0	5%	Provide name and list of power line projects as tower assembly and erection supervisor	
		Two or more power line projects (5)					
3.2	Specify the registration and experience related to transmission power lines of the proposed TEMPORARY WORKS DESIGNER and the proposed SWP compiler for tower assembly and erection. (requirement: ECSA registered Pr. Eng. or Pr. Tech. Eng. and also to be responsible for signing off safe work procedures)	No Registration or registered with no power line experience (0)		0	8%	Provide name, registration certificate(s) and list of the power line projects done by the temporary works designer and the SWP compiler.	
		Registered with one or more power line project experience (5)					
3.3	Provide signed letter of commitment from the proposed supplier/fabricator for tower or steel pole	No submission (0)		0	5%	Provide signed letter of commitment from the supplier/fabricator	
		Signed letter of commitment provided (5)					
4	Specify certification and experience of proposed earthing safety supervisor . (requirement: HV regs responsible person with power line safety earthing experience, also to be responsible for signing off safe work procedure)	No Certification or certification with no power line project experience (0)		0	8%	Provide name, certification level and list power line projects where earthing safety practices was done	
		Certified with one or more power line project experience (5)					

5.1	Specify the experience of the proposed DRESSING, STRINGING & REGULATION SITE SUPERVISOR. (requirement: <u>at least two</u> transmission power line project experience as a supervisor working with triple bundle configuration or larger)	No experience (0)		0	4%	Provide name and list of power line projects as dressing, stringing and regulation supervisor													
		Two or more power line projects (5)																	
5.2	Specify the registration and experience related to Transmission power lines, of the proposed TEMPORARY WORKS DESIGNER and the proposed SWP compiler for dressing, stringing and regulation. (requirement: ECSA registered Pr. Eng. or Pr. Tech. Eng. and also to be responsible for signing off safe work procedures)	No Registration or registered with no power line experience (0)		0	8%	Provide name, registration certificate(s) and list of the power line projects done by the temporary works designer and the SWP compiler.													
		Registered with one or more power line project experience (5)																	
6	Provide a suitable support structure that will be used to cross over other power lines, roads and railways (system to cater for impact load in case of failure as well as maintaining sufficient electrical clearance). System shall be suitable to perform the crossing under live or dead conditions	No (0)		0	8%	List details on the different types of crossing support structures to be used indicating <u>dead and live line</u> applicability													
		Dead and live conditions (5)																	
7.1	Have you constructed transmission lines on a minimum 400 kV level in the past 3 years?	No (0)		0	14%	Provide list of power line projects where, foundations, towers and stringing has been performed as well as the role (main contractor/sub contractor)													
		Yes a main contractor or as a subcontractor (5)																	
7.2	Provide a registered project manager (SACPCMP) with minimum 400 kV power line experience?	No Registration or registered with no power line experience (0)		0	5%	Provide name, registration and list power line projects as project manager													
		Registered with one or more power line project experience (5)																	
7.3	Provide a registered construction site manager with minimum 400 kV power line experience? (SACPCMP)	No Registration or registered with no power line experience (0)		0	5%	Provide name, registration and list power line projects as construction site manager													
		Registered with one or more power line project experience (5)																	
				0%	100%														
A total of 80% or higher is required to pass this engineering tender evaluation																			
I HAVE READ AND UNDERSTOOD ALL REQUIREMENTS OF THE TRANSMISSION LINE SPECIFICATION, TRMSCAAC AND OTHER REFERENCED SPECIFICATIONS AND AGREE TO ADHERE TO THESE.																			
Technical Tender Returnable Form Populated by:																			
Signature:																			
Date:																			
Overall Comments by Evaluator:																			
Evaluated by		Reviewed by			Authorised by														
Name of Evaluator:		Name of Reviewer:			Name of Authoriser:														
Signature of Evaluator:		Signature of Reviewer:			Signature of Authoriser:														
Date:		Date:			Date:														

Clarification Notes:

1. It is important to file all documents properly, in separate sections of the file. Clearly mark the sections. (Section 1 -7)
 2. Not providing the supporting documentation will result in a ZERO score for that particular question.
 3. ECSA is preferred but other equivalent (ECSA acceptable) registrations will be considered.
 4. SWP - Safe Works Procedure
 5. Please note that if the relevant registered professional mentioned above, changes, the profile of the person taking up this post as a replacement must have an equivalent profile as outlined above.
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