

 <p>Transmission Power Delivery Engineering Line Engineering Services (LES)</p>		<p align="center">Engineering Tender Evaluation Returnable Form (for a Transmission Powerline)</p>				Template No.: 240-141157901 Template Rev: 3 Document No: LES1736 Document Rev: 1								
Name of Project:		Guy anchor link restoration – Western Grid				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	Maximum allowable score	Actual subsection percentage	Is item mandatory for evaluation?	Subsection allowable score	Evaluator Name	Date of evaluation	Signature
1	Specify the registration (SAGC) and power line experience of the proposed SURVEYOR to be used	No Registration (0)		0	5%	Provide: - CV of surveyor - Professional registration details and Qualification - List of power line projects as surveyor		5	0		0			
		Registered with no power line experience (2)									2			
		Registered with one to three power line project experience (4)									4			
		Registered with four or more power line project experience (5)									5			
2.1	Specify the registration and power line experience of the proposed SOIL PROFILER to be used. (requirement: Engineering Geologist with Pr. Nat. Sci. registered with SACNASP or ECSA registered Civil Engineer/technologist with Pr. Eng. or Pr. Tech. Eng.).	No Registration (0)		0	5%	Provide: - CV of soil profiler - Professional registration details and qualification - Years of post registration soil profiling - List of power line projects as soil profiler		5	0		0			
		Registered with no power line projects experience (2)									2			
		Registered with one to three power line projects experience (4)									4			
		Registered with four or more power line projects experience (5)									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 (0)		0	5%	Provide: - CV of foundation designer - Professional registration details and Qualification - List of power line projects as foundation designer and person responsible for compiling the safe work procedure		5	0		0			
		Registered (2)									2			
		Registered with one to three power line project experience (4)									4			
		Registered with four or more power line projects experience (5)									5			
2.3	Provide a high level safe work procedure for Foundation refurbishment (include tower stability where required e.g. back staying, or other means): a)Corrosion treatment for the different categories (2) b)The extension of the concrete inclined pile foundation (2) c)The concrete encasement of the Deadman foundation link (2) d)The movement of the U-bolt connection above NGL (2)	No safe work procedures provided (0)		0	8%	Provide high level safe work procedures for Foundation refurbishment.		5	0		0			
		Safe work procedures provided only cover 20-50% of the work required (2)									2			
		Safe work procedures provided only cover 60-80% of the work required (4)									4			
		Safe work procedures provided cover all aspects sufficiently (5)									5			
2.4	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)	No experience (0)		0	5%	Provide: - CV of foundation supervisor - List of power line projects as foundation supervisor		5	0		0			
		Two power line projects (4)									4			
		Three or more power line projects (5)									5			
3.1	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 (0)		0	5%	Provide: - CV of temporary works designer for backstaying and temporary work design - Registration certificate(s) and qualification - List of the power line projects done by the temporary works designer and the SWP compiler		5	0		0			
		Registration with no experience (2)									2			
		Registered with one power line project experience (4)									4			
		Registered with two or more power line projects experience (5)									5			
3.2	Provide detailed document listing the actual steps that will be followed to execute the scope of work. This document must give Eskom the assurance that the tenderer can execute the scope of work successfully if awarded the contract. Document must at least contain the following aspects: 1.Definition of scope in tenderers terms. (3) 2.List of resources to be used. (3) 3.List of equipment to be used. (2) 4.High level schedule for completion of scope. (2).	No scope execution document provided (0)		0	8%	Provide detailed document listing: 1.Definition of scope in tenderers terms. (3) 2.List of resources to be used. (3) 3.List of equipment to be used. (2) 4.High level schedule for completion of scope. (2).		5	0		0			
		Scope execution document that is provided only cover 20-50% of the work required (2)									2			
		Scope execution document provided only cover 60-80% of the work required (4)									4			
		Safe work procedures provided cover all aspects sufficiently (5)									5			
3.3	Provide signed letter of commitment from the proposed supplier/fabricator of PVC pipes, Concrete and Paint (source from pre-approved products and suppliers)	No submission (0)		0	3%	Provide: - Signed letter of commitment from the supplier/fabricator of PVC pipes, Concrete and Paint (source from pre-approved products and suppliers)		5	0		0			
		Three or more signed letters of commitment provided (5)									5			
4.1	Provide ORHVS HV01 for servitude access	No Certification (0)		0	3%	Provide: - CV of earthing safety supervisor - Certification level and certificate - List of power line projects where person was responsible for earthing safety practices		5	0		0			
		Certification provided (5)									2			
4.2	Specify certification and experience of proposed earthing safety supervisor . (requirement: HV regis responsible person with power line safety earthing experience, also to be responsible for signing off safe work procedure)	No Certification (0)		0	3%	Provide: - CV of earthing safety supervisor - Certification level and certificate - List of power line projects where person was responsible for earthing safety practices		5	0		0			
		Certified with no experience (2)									2			
		Certified with one power line project experience (4)									4			
		Certified with two or more power line projects experience (5)									5			
		No safe work procedures provided (0)				Provide high level safe work procedures for:					0			

4.3	Provide high level safe work procedures for safety earthing during construction, tower footing resistance measurements and earthing of rebar	Safe work procedures provided only cover 20-50% of the work required (2)		0	5%	- Safety earthing practices during construction. Must show mitigation for working in close proximity to live lines of 400kV and below - Earthing of foundation rebar - Tower footing resistance measurements		5	0		2				
		Safe work procedures provided only cover 60-80% of the work required (4)									4				
		Safe work procedures provided cover all aspects sufficiently (5)									5				
5.1	Provide high level safe work procedures for excavation and assessment of old guy anchor foundations.	No safe work procedures provided (0)		0	8%	Provide high level safe work procedures for excavation and assessment of old guy anchor foundations.		5	0		5				
		Safe work procedures provided only cover 20-50% of the work required (2)									0				
		Safe work procedures provided only cover 60-80% of the work required (4)									2				
		Safe work procedures provided cover all aspects sufficiently (5)									4				
5.2	Provide high level safe work procedures for Complete foundation replacement and rehabilitation.	No safe work procedures provided (0)		0	8%	Provide high level safe work procedures for complete foundation replacement and rehabilitation.		5	0		0				
		Safe work procedures provided only cover 20-50% of the work required (2)									2				
		Safe work procedures provided only cover 60-80% of the work required (4)									5				
		Safe work procedures provided cover all aspects sufficiently (5)									0				
6	Provide a concept design for the type of backstays that will be used to execute the scope of work during: Dead and Live conditions	No (0)		0	7%	Provide backstaying concept design		5	0		2				
		Only dead conditions (2)									5				
		Dead and live conditions (5)									0				
7.1	Provide a full list of previous similar projects undertaken in the past three years - must include •Project names. •Scope of work performed on that project •Contact persons that awarded the project to tenderer. •Was project completed successfully? •How much of work was performed by tenderer?	No (0)		0	8%	Provide list of power line projects with similar scope of work.		5	0		2				
		Yes as a subcontractor (2)									4				
		Yes as a main contractor (5)									5				
7.2	Provide a registered project manager (SACPMP) with minimum 400 kV power line experience?	No Registration (0)		0	5%	Provide: - CV of project manager - Registration details and qualification - List of power line projects as project manager		5	0		0				
		Registered with no experience (2)									2				
		Registered with one power line project experience (4)									4				
		Registered with over two power line project experience (5)									5				
7.3	Provide a registered construction site manager with minimum 400 kV power line experience? (SACPMP)	No Registration(0)		0	5%	Provide: - CV of construction site manager - Registration details and qualification - List of power line projects as construction site manager		5	0		0				
		Registered with no experience (2)									2				
		Registered with one power line project experience (4)									5				
		Registered with over two power line project experience (5)													
7.4	Explain the process followed to compile a set of AS-BUILT documentation. This documentation should include a complete file including all final tower positions, foundation and geotechnical reports, tower types, tower footing measurements, line impedance measurement, incident reports, inspection reports and airborne laser scan (if specified) and infra-red scan if specified.	Nothing provided (0)		0	4%	Provide: Detailed plan for capturing as-built data of all aspects of the transmission line		5	0						
		Basic plan provided with key aspects missing (2)													
		Detailed plan with all key aspects captured (5)													
				0%	100%										
A total of 75% 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:											

Score	(%)	Definition
5	100	COMPLIANT <ul style="list-style-type: none"> • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS Meet technical requirement(s) with; <ul style="list-style-type: none"> • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none"> • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE
<p>Note 1: The scoring table does not allow for scoring of 1 and 3.</p> <p>Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.</p>		

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.