

#### Report

**NTCSA** 

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Date: 11 September 2025

Date: 12 September 2025

Date: .16/09/2025

© Eskom  National Transmission  Company South Africa ™	Panel A, B & C Engineering Tender Evaluation Returnables	Template No.: Template Rev:	240-141157901 3
NTCSA Engineering	(for a Transmission Powerline)	Document No:	LES1632
Line Engineering Services (LES)		Document Rev:	2
		Name of Supplier:	

# LINES ENGINEERING TENDER EVALUATION CRITERIA EPC Panel A, B & C

#### List of ENGINEERING returnables for open tender:

Please submit all engineering documentation described in the different Scendules in a separate, standalone file that must be clearly marked <u>Lines Engineering Tender Returnables - EPC Panel Schedule A, B and C</u>i.e. the information submitted must only be related to Engineering and not to SHEQ.

Please note that the minimum threshold required to pass EACH Schedule on this technical evaluation is 70%.

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

## Please note, for Panel A and B, the following NTCSA products must be procured and supplied by the contractor.

- \* Phase conductor,
- \* Groundwire,
- \* OPGW and OPGW hardware,
- \* Composite, Glass, Longrod Post and Earthwire Insulators,
- \* Line hardware,
- \* Towers, poles and other structures.
- \* Foundations concept foundation 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;
- \* Miscellaneous items (including aircraft warning spheres, bird diverters, anti-bird perch devices, spacer dampers, spacers, anti-vandal fasteners, line labels, etc.).

### The suppliers or OEMs of the above mentioned products must meet all Eskom requirements and have type tests available that are valid for the period of the tender.

The specifications of each product will be verified at task order stage should the supplier be successful in this tender.

NTCSA will provide specifications, standards and guidelines, where necessary.

Score	(%)	Definition
5	100	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;  Acceptable technical risk(s) AND/OR;  Acceptable exceptions AND/OR;  Acceptable conditions.
2	40	NON-COMPLIANT  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

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

Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.

Compa N Eng	NTCSA gineering ring Services (LES)	Panel A Engineering Tender Evaluation Returnables (for a Transmission Powerline)				Template No.: Template Rev: Document No: Document Rev:	240-141157901 3 LES1632 2			
Schedule A: Engineering						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	Subsection allowable score
1	<u>Key Personnel:</u> Principal*	subject matter expert (electrical engineering personnel)			20%				0.0%	0.0%
1.1	Certified copies of Qualifications	Qualification(s): No submission = 0.			20%			5	0	0
1.1	definited copies of Qualifications	Qualification(s): Mtech/ BTEch and above = 5.			2070			3	Ü	5
	Professional Registration - certified copy of certificate to be provided	No = 0			40%			E	0	0
	(an electrical engineer must be registered with ECSA** or equivalent professional body)	Yes = 5			40 /6			5	Ü	5
		No = 0			1004					0
1.3	More than 3 transmission line1 projects designed	3 or more = 5			40%			5	0	5
2	Key Personnel: Principal* subject matte	r expert (high voltage powerlines mechanical engineerin	ng personn	el)	20%				0.0%	0.0%
		Qualification(s): No submission = 0.								0
2.1	Certified copies of Qualifications	Qualification(s): Mtech/ BTEch and above = 5.			20%			5	0	5
	Professional Registration - certified copy of certificate to be provided	No = 0								0
2.2	(a mechanical engineer must be registered with ECSA** or equivalent professional body)	Yes = 5			40%			5	0	5
0.0	Mara than 2 transmission line projects designed	No = 0				.07		6		0
2.3	More than 3 transmission line projects designed	3 or more = 5			40%			5	0	5
3	Key Personnel: Principal* subject m	atter expert (high voltage powerlines civil engineering p	ersonnel)		20%				0.0%	0.0%
		Qualification(s): No submission = 0.						_ 5		0
3.1	Certified copies of Qualifications	Qualification(s): Mtech/ BTEch and above = 5.			20%				0	5
	Professional Registration - certified copy of certificate	No = 0								0
3.2	to be provided (a civil engineer must be registered with ECSA** or equivalent professional body)	Yes = 5			40%			5	0	5
		No = 0								0
3.3	More than 3 transmission line projects designed	3 or more = 5			40%			5	0	5
4	Key Personnel: Principal* subject matter expe	rt (geotechnical engineering personnel or engineering g	eologist pe	ersonnel)	20%				0.0%	0.0%
		Qualification(s): National Diploma / no submission = 0.								0
4.1	Certified copies of Qualifications	Qualification(s): BSc (HONS) Engineering Geology /BSc Eng			20%			5	0	5
	Professional Registration - certified copy of certificate	(HONS) Civil Engineering and above = 5.								
4.2	to be provided (an engineering geologist must be registered with SACNASP3 or equivalent professional body; a	No = 0			40%			5	0	0
	geotechnical engineer must be registered with ECSA or equivalent professional body)	Yes = 5								5
4.3	More than 3 transmission line1 projects designed	No = 0			40%			- 5	0	0
		3 or more = 5								5
4		al* subject matter expert (land surveying personnel)			20%				0.0%	0.0%
4.1	Certified copies of Qualifications	Qualification(s): BSc or BTech in Land Surveying = 5; Diploma in Land Surveying = 2, No submission = 0.			20%			5	0	0
		Qualification(s): BSc or BTech in Land Surveying = 5; Diploma in Land Surveying = 2, No submission = 0.								5
4.2	Professional Registration - certified copy of certificate to be provided	No = 0			40%			5	0	0
	(with SAGC4 as a professional land surveyor / professional surveyor or equivalent professional body)	Yes = 5			40%					5
4.3	More than 3 transmission line projects designed	No = 0			40%			5	0	0
т.О	more than a transmission line projects designed	3 or more = 5						J	0	5
				0%	100%	Name of Evaluator:	<del></del>	Sig	gnature of Evalu	ator:

## Notes:

- 1. Principal subject matter experts should be competent people as defined by the constructions regulations of South Africa.
- 2. Geotechnical engineering or engineeering geologist (soil profiling, soil nominations, speciliased geotech such as dolomitic studies, undermining studies, etc.)
- 3. ECSA is the Engineering Council of South Africa.
- 4. For this evaluation the definition of a transmission powerline is rated at 220 kV and above.
- 5. For this evaluation the definition of a high voltage (HV) powerline is rated at 220 kV and above.
- 6. SACNASP is the South African Council for Natural Scientific Professions
- 7. Al resources will be verified upon Task Order stage.
- 8. SAGC is the South African Geomatics Council.

(₹) Esk	Eskom National Transmission Panel A & B Engineering Tender Evaluation Returnables		Template No.:	240-141157901									
National Transmission Company South Africa ™  NTCSA Engineering  Line Engineering Services (LES)			Panel A & B Engineering Tender Evaluation Returnables  (for a Transmission Powerline)				Template Rev:	3					
							Document No:  Document Rev:	<b>LES1632</b>					
Line Engineer	ring Services (LES)		Schedule B: Procurement of HV Equipment				Name of Supplier:	2					
	<u> </u>		T		T	T	<u> </u>			I			
ltem		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	Subsection allowable score		
1	Signed letter of con	nmitment stating that products	No submission (0)			8%	8%	Provide: - Signed letter of commitment from the supplier or contractor		5	0	0	
	for use.		Signed documents received (5)				Supplier Cr Surmaster				5		
	Signed letter of con	nmitment stating that products	No submission (0)			15%	15%	15%	Provide: - Signed letter of commitment from the		- 5	0	0
	for use.		Signed documents received (5)				supplier or contractor				5		
3	Signed letter of con	nmitment stating that products	No submission (0)		7%	7%	Provide: - Signed letter of commitment from the		5	0	0		
	have been accepte for use.	d and meet NTCSA requirements	Signed documents received (5)				supplier or contractor		J	· ·	5		
4	earthwire) insulate Signed letter of con	ors, provide a: nmitment stating that products	No submission (0)			7%	Provide: - Signed letter of commitment from the		5	0	0		
	have been accepte for use.	u and meet NTCSA requirements	Signed documents received (5)				supplier or contractor				5		
5	Signed letter of con	nmitment stating that products	No submission (0)			7%	Provide: - Signed letter of commitment from the		- 5	0	0		
	for use.	d and meet NTOOA requirements	Signed documents received (5)				supplier or contractor				5		
	Signed letter of con	nmitment stating that products	No submission (0)			10%	Provide: - Signed letter of commitment from the supplier or contractor		5	0	0		
	for use.	·	Signed documents received (5)								5		
7	Regarding <b>OPGW</b> , Signed letter of con	nmitment stating that products	No submission (0)			15%	Provide: - Signed letter of commitment from the		5	0	0		
	for use.	d and meet NTCSA requirements	Signed documents received (5)				supplier or contractor				5		
Ω	Signed letter of con	nmitment stating that products	No submission (0)			10%	Provide: - Signed letter of commitment from the supplier or contractor		5	0	0		
	for use.	1	Signed documents received (5)								5		
۵	Signed letter of con	Description  Steel wires (earthwire), provide a: r of commitment stating that products excepted and meet NTCSA requirement excepted and except	No submission (0)			7%	Provide: - Signed letter of commitment from the		5	0	0		
	for use.		Signed documents received (5)				supplier or contractor				5		
		nmitment stating that products	No submission (0)			7%	7%	Provide: - Signed letter of commitment from the		5	0	0	
	for use.	and moot at 00/ troquilements	Signed documents received (5)				supplier or contractor				5		
	Signed letter of con	nmitment stating that products	No submission (0)			7%	Provide: - Signed letter of commitment from the		5	0	0		
	for use.	a and modern out requirements	Signed documents received (5)				supplier or contractor				5		
			Δ total of 70% or higher is require	ad to no	0%	100%	Name of Evaluator:		Si	gnature of Evalu	ator:		
			A total of 70% or higher is require	eu io pa	เจอ เกิเริ	tenaer							
	Clarification Not		concrete coefficient of the file. Object to the file of										
I			separate sections of the file. Clearly mark the sections.  vide additional information on the OEM and product you wil	ll be supplvin	g. This incl	udes but is	not limited to the following:						
	a. Verification to e	ensure that all products listed me	eet NTCSA requirements as per the product's specification			-	•						
	c. All drawings wil	ll be sent for acceptance by NTC	lid type test certificates.  CSA prior to placing orders after Task Order appointment.  r to release of material at the OEM plant.										
	L	,	1						1				

Eskon  National Transmission Company South Africa TM  NTCSA Engineering  Panel A, B & C Engineering Tender Evaluation Returnables  (for a Transmission Powerline)					Template No.:	240-141157901					
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							Document No:	LES1632			
ne Engine	e Engineering Services (LES)					Document Rev:	2				
			Schedule C: Construction Experience and Personnel				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	Subsecti allowab score
			No Registration (0)				Provide:				0
	Specify the registration (SAGC) and post- experience of the proposed <b>LAND SUF</b> used		Registered with no power line experience (2)				- Name of surveyor - Professional registration details		] _		2
1		proposed LAND SURVEYOR to be	Registered with one power line project experience (4)		0	20%	- List of power line projects where the person was appointed as land surveyor		5	0	4
			Registered with two or more power line project experience (5)				(A letter of appointment for each project should be submitted)		1		5
			No Registration (0)				Provide:				0
		ation and power line experience of <b>PROFILER</b> to be used.	Registered with no power line projects experience (2)			0 20%	- Name of soil profiler - Professional registration details				2
2.1	registered with SA	gineering Geologist with Pr. Nat. Sci. CNASP or ECSA registered Civil	Registered with one to three power line projects experience (4)		0		- Years of post registration soil profiling - List of power line projects where the person was appointed as Soil Profiler (A		- 5	0	4
	Engineer/Technolo	ogist with Pr. Eng. or Pr. Tech. Eng.).	Registered with four or more power line projects experience (5)				letter of appointment for each project should be submitted)		-		5
			No Registration (0)				Provide:				0
	Specify the registration and power line experience of the proposed <b>FOUNDATION DESIGNER</b> to be used (requirement: ECSA registered Pr. Eng. or Pr. Tech. Eng. (Civil/Structural), also to be responsible for signing off safe work procedures)	Registered (2)		0	20%	- Name of foundation designer - Professional registration details - List of power line projects as foundation designer and person responsible for compiling the safe work procedure (A		5	0	2	
2.2 (requirement: ECSA registered Pr. Eng. or Pr. Tec Eng. (Civil/Structural), also to be responsible for	al), also to be responsible for	Registered with one power line project experience (4)								4	
	signing on sale wo	e work procedures)	Registered with two or more power line projects experience (5)				letter of appointment for each project should be submitted).				5
	Specify the registra	pecify the registration and experience related to  No Registration (0)  Provide:  - Name of temporary works designer for				0					
	Specify the registration and experience related to transmission power lines of the proposed  TEMPORARY WORKS DESIGNER and the proposed	Registration with no experience (2)				tower assembly and erection - Registration certificate(s)		_		2	
3	(requirement: ECS	for tower assembly and erection. ECSA registered Pr. Eng. or Pr. Tech. to be responsible for signing off safe es)	Registered with one power line project experience (4)		0	10%	- List of the power line projects done by the temporary works designer and the		5	0	4
	work procedures)		Registered with two or more power line projects experience (5)				SWP compiler for tower assembly and erection (A letter of appointment for each project should be submitted)				5
	Specify the registra	he registration and experience related to	No Registration (0)		0	10%	Provide: - Name of temporary works designer and				0
4	Transmission power TEMPORARY WO	er lines, of the proposed RKS DESIGNER and the proposed	Registration with no experience (2)				SWP compiler for dressing, stringing and regulation - Registration certificate(s)		5		2
4	(requirement: ECS	dressing, stringing and regulation. A registered Pr. Eng. or Pr. Tech. e responsible for signing off safe	Registered with one power line project experience (4)				- List of the power line projects done by the temporary works designer and the			0	4
	work procedures)	re responsible for signing on sale	Registered with two or more line project experience (5)				SWP compiler for stringing and regulation  (A letter of appointment for each project should be submitted)		1		5
			No (0)		0		Provide list of power line projects where: - Foundations, tower assembly and				0
5		mpany or your resources) nission lines on a minimum 220 kV	Yes as a subcontractor (2)			20%	erection and stringing has been performed as well as the role (main		5	0	2
	level in the past 7 years?	Yes as a main contractor (5)				contractor/sub contractor) (A letter of appointment for each project should be submitted)				5	
					0%	100%	Name of Evaluator:		Sig	l gnature of Evalu	ator:
									_		
		A to	otal of 70% or higher is required to pa	ss this	engine	eering t	tender evaluation				
	Clarification Note	e·									
			ate sections of the file. Clearly mark the sections. (Section 1 -7)								
			It in a ZERO score for that particular question.								
		-	otable) registrations will be considered.								
	4. SWP - Safe Wo		, 5								
		g with NTCSA, all these resources w	ill be required.								

6. Please note that if the relevent 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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