

**Report****Transmission**

Title: **Maintenance Activities in
the Western Grid -
Engineering Tender
Evaluation Returnables**

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ENGINEERING TENDER EVALUATION CRITERIA

Maintenance Activities in the Western Grid

List of ENGINEERING returnables for open tender:

It must be noted that the supplier(s) must submit safe working procedures for the maintenance activities listed in the Scope of Works. All safe work procedures are mandatory.


Please submit all engineering documentation described in the tables below in a separate, standalone file that must be clearly marked **Maintenance Activities in the Western Grid** i.e. the information submitted must only be related to Engineering and not to SHEQ.

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

Please note that the minimum required percentage (or score) to pass Engineering is **70%**.

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 this is a labour only contract. Eskom will provide all materials to be used. Contractor is to provide labour and tools.

 Transmission Engineering Line Engineering Services (LES)		Engineering Tender Evaluation Returnables (for a Transmission Powerline)				Template No.:	240-141157901
						Template Rev:	3
						Document No:	LES1643
						Document Rev:	1
Name of Project:		Line Maintenance Activities in the 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
1.1	Provide a high level safe work procedure to be used to Install line-labels. (Under ARC-Off conditions)	No safe work procedures provided (0)			3%	Provide high level safe work procedures for: - Installation of line labels under ARC off conditions.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.2	Provide a high level safe work procedure to be used to conduct pole-top inspections (close-proximity on double circuit structures)	No safe work procedures provided (0)			5%	Provide high level safe work procedures for: - Conduct pole-top inspections (close-proximity on double circuit structures)	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.3	Provide a high level safe work procedure to be used for bird nest removal/relocation/trimming between tower waist and anti-climb devices (Under ARC-Off conditions), below the tower waist (Under non-outage conditions) and (Under O&E conditions). This includes social weavers.	No safe work procedures provided (0)			5%	Provide high level safe work procedures for: -Bird nest removal between tower waist and anti-climb devices under ARC-Off conditions - bird nest removal and relocation and trimming between tower waist and anti-climb devices under mon outage conditions. - Bird nest removal of social weavers.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.4	Provide a high level safe work procedure to be used for the replacement of tower steel members. (Under non-outage conditions) and (under ARC-Off conditions)	No safe work procedures provided (0)			3%	Provide high level safe work procedures for: - Replacement of tower steel members. under non-outage conditions. -Replacement of tower steel members under ARC-Off conditions.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					

1.5	Provide a high level safe work procedure to be used for the removal of soil on tower stubs and guy-anchors (Under non-outage conditions)	No safe work procedures provided (0)			2%	Provide high level safe work procedures for: - The removal of soil on tower stubs and guy-anchors under non-outage conditions.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.6	Provide a high level safe work procedure to be used for the tensioning of staywires. (Under non-outage conditions)	No safe work procedures provided (0)			2%	Provide high level safe work procedures for: - Tensioning of staywires. (Under non-outage conditions)	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.7	Provide a high level safe work procedure to be used for the maintenance and repairs of gates and access. (Under non-outage conditions)	No safe work procedures provided (0)			2%	Provide high level safe work procedures for: - The maintenance and repairs of gates and access under non-outage conditions.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.8	Provide a high level safe work procedure to be used for the installation and repair anti-climb devices. (Under non-outage conditions)	No safe work procedures provided (0)			3%	Provide high level safe work procedures for: - The installation and repair anti-climb devices under non-outage conditions.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.9	Provide a high level safe work procedure to be used for hardware repairs and replacements. (Under OI&E)	No safe work procedures provided (0)			5%	Provide high level safe work procedures for: - Hardware repairs and replacements under OI&E.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.10	Provide a high level safe work procedure to be used for conductor repairs and stringing. (Under OI&E)	No safe work procedures provided (0)			5%	Provide high level safe work procedures for: - Conductor repairs and stringing under OI&E conditions.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					

1.11	Provide a high level safe work procedure to be used for conductor and hardware sampling. (Under OI&E)	No safe work procedures provided (0)			3%	Provide high level safe work procedures for: - Conductor and hardware sampling. under OI&E.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.12	Provide a high level safe work procedure to be used for aviation spheres and crossing labels repairs/replacements/installations. (Under OI&E)	No safe work procedures provided (0)			5%	Provide high level safe work procedures for: - Aviation spheres and crossing labels repairs/replacements/installations under OI&E.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
1.13	Provide a high level safe work procedure to be used to install and maintain birdguards. (Under OI&E)	No safe work procedures provided (0)			6%	Provide high level safe work procedures for: - Install and maintain birdguards under OI&E.	
		Safe work procedures provided only cover 20-50% of the work required (2)					
		Safe work procedures provided only cover 60-80% of the work required (4)					
		Safe work procedures provided cover all aspects sufficiently (5)					
2.1	Specify the individual experience of the proposed SUPERVISOR to be used (requirement: at least five years transmission power line maintenance or construction experience as a supervisor)	No experience (0)			5%	Provide: - Names of Site Supervisors - Professional registration details - Years of experience being a site supervisor on transmission line construction or maintenance projects. - List of power line projects as site supervisor.	
		Five years power line maintenance or construction site supervisor experience (4)					
		Six or more years power line maintenance or construction site supervisor experience (5)					
2.2	Specify the individual experience of the proposed TEAM LEADER to be used (requirement: at least three years transmission power line maintenance or construction experience)	No experience (0)			5%	Provide: - Names of Team Leaders - Years of experience being a site team leader on transmission line construction or maintenance projects. - List of power line projects as a team leader.	
		Three years power line maintenance or construction experience (4)					
		Four or more years power line maintenance or construction experience (5)					
2.3	Specify the individual experience of the proposed LINESMAN to be used (requirement: at least two years transmission power line maintenance experience as a linesman)	No experience (0)			5%	Provide: - Names of Linesmen - Years of experience being a linesman on transmission line construction or maintenance projects. - List of power line projects as a linesman.	
		Two years power line maintenance or construction experience (4)					
		Three or more years power line maintenance or construction experience (5)					
2.4	Specify the individual experience of the proposed GROUNDSMAN to be used (requirement: at least one year transmission power line maintenance experience as a groundsman)	No experience (0)			5%	Provide: - Names of Groundsmen - Years of experience being a groundsman on transmission line construction or maintenance projects. - List of power line projects as a groundsman.	
		One year power line maintenance or construction experience (4)					
		Two or more years power line maintenance or construction experience (5)					

Engineering Tender Evaluation Returnables:

3.1	Specify certification and experience of proposed supervisor . (requirement: HV regs responsible person with power line maintenance/construction experience, also to be responsible for signing off safe work procedure. The supervisor must be competent with the required certification and authorised for the Western Grid according to Eskom's HV Regs for work on power lines from voltage range 132kV up to and including 765kV).	No Certification (0)		5%	Provide: - Name of site supervisors - HV Regs Certification level and certificates - Valid authorisation outcome level. - List of power line projects where person was responsible supervising personnel working under close-proximity, ARC-off , O,I&E and non-outage conditions.	
		Certified with no experience (2)				
		Certified with one power line project experience (4)				
		Certified with two or more power line projects experience (5)				
3.2	Specify individual certification and experience of proposed team leader . (requirement: HV regs responsible person with power line maintenance/construction experience. The team leaderr must be competent with the required certification and authorised for the Western Grid according to Eskom's HV Regs for work on power lines from voltage range 132kV up to and including 765kV).	No Certification (0)		5%	Provide: - Name of site team leaders - HV Regs Certification level and certificates - Valid authorisation outcome level. - List of power line projects where person was responsible supervising personnel working under close-proximity, ARC-off , O,I&E and non-outage conditions.	
		Certified with no experience (2)				
		Certified with one power line project experience (4)				
		Certified with two or more power line projects experience (5)				
3.3	Specify individual certification and experience of proposed linesman . (requirement: HV regs responsible person with power line maintenance/construction experience. The team leaderr must be competent with the required certification and authorised for the Western Grid according to Eskom's HV Regs for work on power lines from voltage range 132kV up to and including 765kV).	No Certification (0)		5%	Provide: - Name of site team leaders - HV Regs Certification level and certificates - Valid authorisation outcome level. - List of power line projects where person was working under close-proximity, ARC-off , O,I&E and non-outage conditions..	
		Certified with no experience (2)				
		Certified with one power line project experience (4)				
		Certified with two or more power line projects experience (5)				
3.4	Specify individual certification and experience of proposed Crane Operator .	No Certification (0)		4%	Provide: - Name of crane operators. - Certification level and certificate - List of power line projects where person was operating a crane.	
		Certified with no experience (2)				
		Certified with one years Crane Operating experience (4)				
		Certified with two or more years Crane Operating experience (5)				
4.1	Have you maintained or constructed transmission lines on a minimum 132 kV level in the past 3 years?	No (0)		7%	Provide list of power line projects where: - Pole-top inspections, bird nest removal, replacement of tower steel members, tensioning of stay wires, hardware repairs and replacements, conductor and hardware sampling, installing and maintaing birdguards, conductor repairs and stringing has been performed as well as the role (main contractor/sub contractor)	
		Yes as a subcontractor (2)				
		Yes as a main contractor (5)				
4.2	Provide a registered project manager (SACPCMP) with minimum 400 kV power line experience?	No Registration (0)		5%	Provide: - Name of project manager - Registration details - List of power line projects as project manager	
		Registered with no experience (2)				
		Registered with one transmission power line maintenance or construction related project experience (4)				
		Registered with two or more transmission power line maintenance or construction related project experience (5)				
				0%	100%	
A total of 70% or higher is required to pass this engineering tender evaluation						

<p align="center">The following four rows must be completed by the supplier:</p> <p align="center">I HAVE READ AND UNDERSTOOD ALL REQUIREMENTS OF THE TRANSMISSION LINE SPECIFICATION, TRMSCAAC AND OTHER REFERENCED SPECIFICATIONS AND AGREE TO ADHERE TO THESE.</p>					
Technical Tender Returnable Form Populated by:				SUPPLIER STAMP HERE	
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.