Eskom

Tender Evaluation Returnable **Transmission**

Title:	**Koeberg Stikland 400kV earth wire refurbishment project - Tender Evaluation Returnables**	Template Unique Identifier:	**240-141157901**
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		Project Unique Identifier:	**LES-GP-126**
		Document Unique Identifier:	**LES 1360**
		Area of Applicability:	**Engineering**
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Compiled by	**Supported by**	**Authorised by**
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Clinton Chetty	**Tebogo Bhulose**	**Faith Mokhonoana**
Design Leader	**Middle Manager: Coastal Cluster**	**(Acting) Senior Manager Line Engineering Services and Design Review Chairman**
Date: 01 September 2021	Date: 06 September 2021	Date: 06 September 2021

TECHNICAL EVALUATION CRITERIA

Koeberg Stikland 400kV earth wire refurbishment project

LIST OF TECHNICAL RETURNABLES FOR OPEN TENDER

- It must be noted that the supplier(s) must submit safe working procedures for the removal and installation of earth wires.

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

- The file must be clearly marked ***Engineering Tender Returnables – Koeberg Stikland 400kV earth wire refurbishment project*** i.e. the information submitted must only be related to Engineering and not to SHEQ.

- 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.

- Eskom will provide design documents, specifications and tower drawings. The scope of work which details the replacement of both the existing Wolf ACSR earth wire with new greased Wolf ACSR earth wires and associated hardware from the Koeberg Gantry to strain tower 35 of the Koeberg Stikland 400kV is detailed in the engineering design report - **LES 1196.**

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

- Scoring criteria is tabulated below. Please note that the minimum Technical (also called Engineering) score to qualify is 70%. All safe work procedures are mandatory.

Eskom		**Engineering Tender Evaluation Scoring Sheets**				**Unique Identifier: LES-GP-126** **LES Doc No: LES 1360**		
		Project Name: Koeberg Stikland 400kV earth wire refurbishment project						
		Contractor Name:						
1.List of service providers for specialised equipment/methodologies		**Evaluator A Name:**				**Evaluator A Signature:**	**Date:**	
Item No.	**Item**	**Weighted (20%)**						
		Weight (W)	Actual (A)	Max (M)	Result(R) (A / M) x W	Comments	Sub-item score	Evaluator's Comments
1,1	Provide a list of proposed service providers/ equipment suppliers that will assist you during the execution of the works.eg - Specialised cranes - if using your own state - Specialised net systems for crossings - Specialised H-pole structures	10%	0,00	5	0,0%	Provide the list and type of equipment that will be supplied by the service provider. If not using any external service providers, please provide letter stating so. Letter must state that all work will be done in-house using in-house specialists and equipment		

1,2	If using external service providers/ equipment as mentioned above provide letters of undertaking from these external companies stating their willingness and availability to be involved on the project should the bidder get the project. If not using any external service providers, please provide letter stating so. Letter must state that all work will be done in-house using in-house specialists and equipment.	10%	0,00	5	0,0%	Letter of undertaking from external companies stating their willingness and availability. If not using any external service providers, please provide letter stating so. Letter must state that all work will be done in-house using in-house specialists and equipment		
Result (R) = (A / M) X W		**Maximum : 20%**						
Subsection = sum of Result (R)		**0,0%**						
2. Project execution methodology and safe work procedures		**Evaluator A Name:**				**Evaluator A Signature:**	**Date:**	
Item No.	**Item**	**Weighted (50%)**						
		Weight (W)	Actual (A)	Max (M)	Result(R) (A / M) X W	Comments	Sub-item score	Evaluator's Comments
2,1	Provide a summary document on how the scope of work will be executed.	10%	0,00	5	0,0%	Document must contain scope definition in contractor's understanding, steps to be followed to execute scope and details of crossing mitigations.		
2,2	Provide safe work procedures for the following main activities:							

	2.2.1. Setup of backstaying equipment- certain sections may need the earthwire to be backstayed.	4%	0,00	5	0,0%	2.2.1 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
	2.2.2. Removal of old and installation of new earthwire over river/stream section	4%	0,00		0,0%	2.2.2 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
	2.2.3. Removal of old and installation of new earth wire over 2x11kV and 132kV line- live	4%	0,00		0,0%	2.2.3 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
	2.2.4. Removal of old and installation of new earth wire over main roads- traffic calming in place and dirt roads	4%	0,00		0,0%	2.2.4 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
	2.2.5. Removal of old and installation of new earthwire over railway line section- restricted times- outages may be given	4%	0,00		0,0%	2.2.5 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
	2.2.6. Reduction of tension in earthwire, cutting and slacking off to ground	4%	0,00		0,0%	2.2.6 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
	2,2,7 Stringing and regulation of new earth wires	4%	0,00		0,0%	2.2.7 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
	2,2,8 Dressing of the tower and placement of old earthwire into running blocks	4%	0,00		0,0%	2.2.8 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		

	2.2.9. Rolling up and safe transportation of material to specified location (earthwires, insulators, hardware)	4%	0,00		0,0%	2.2.9 SWP to contain scope, risks with category and mitigation, steps to be followed, equipment and personnel as a min requirement		
2,3	Provide a safe work procedure for earthing during construction activities. Details must include risks and safety measures, equipment to be used, etc. and earthing when working in proximity to energized lines.	4%	0,00	5	0,0%	2.3 Safe work procedure detailing safety earthing requirements during specified activities. List of risks and mitigation measures, equipment to be used and earthing when working in close proximity to live lines		
Result (R) = (A / M) X W		**Maximum : 50%**						
Subsection = sum of Result (R)		**0,0%**						
3. Previous experience and capability		**Evaluator A Name:**				**Evaluator A Signature:**	**Date:**	
Item No.	**Item**	**Weighted *(30%)***						
		Weight (W)	Actual (A)	Max (M)	Result(R) (A / M) X W	Comments	Sub-item score	Evaluator's Comments
3,1	Provide a full list of previous similar projects undertaken- must include project name, length of line, voltage, contact persons and actual tasks done on that project.			5				
	3.1.1. Provide project details with actual tasks done	7,5%	0,00		0,0%	3.1.1 Project details supplied with actual tasks done		
	3.1.2. Provide details of contact people for each project listed	7,5%	0,00		0,0%	3.1.2 Details of contact people per project listed		

3,2	Provide detailed organogram of proposed construction teams to be used for this project. Also provide detailed schedule. CV's of key personnel, like Project Manager, Site supervisor, Linemen and operators to be provided.			5				
	3.2.1. Provide organogram with all details- CEO, project manager, site supervisors, team leaders, workers	5%	0,00		0,0%	3.2.1. Organogram provided with all details- CEO, project manager, site supervisors, linemen and operators		
	3.2.2. Provide detailed schedule	5%	0,00		0,0%	3.2.2. Detailed schedule provided		
	3.2.3. CV of PM, Site supervisors, linemen, climbers	5%	0,00		0,0%	3.2.3. CV of PM, site supervisor, linemen, climbers provided		
Result (R) = (A / M) X W		***Maximum : 30%***						
Subsection = sum of Result (R) **Comments**		***0,0%***						
FINAL TOTAL SCORE EQUALS THE SUM OF SUBSECTIONS 1 to 3 AS A PERCENTAGE								
FINAL TOTAL PERCENTAGE OF SUBSECTIONS 1 to 3		**0,0%**						