

	<b>TRANSMISSION SUBSTATION</b> Civil Qualitative Technical Evaluation Criteria	Template Identifier	240-43921898	Rev	7
		Document Identifier	240-170000109	Rev	3
		Effective Date	December 2021		
		Review Date	December 2025		

### TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

The tenderers will be evaluated using the criteria listed in Table 1 below. Each criterion is allocated a weight. An overall scoring will be given for each tenderer. The overall score is a sum total of the individual scores allocated for each criterion.

**Table 1: Evaluation Criteria**

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable <i>(Shall be used in conjunction with strategy)</i>	Criteria Weighting (%)	Criteria Sub Weighting (%)	Score Clarification						
1.	Construction Program/technical Schedule:  Applicable scope ticked <table border="1" style="margin-left: 20px;"> <tr> <td>a) Foundations and/or Plinths</td> <td style="text-align: center;">X</td> </tr> <tr> <td>b) Cable Trenches</td> <td></td> </tr> <tr> <td>c) Earthworks</td> <td style="text-align: center;">X</td> </tr> </table>	a) Foundations and/or Plinths	X	b) Cable Trenches		c) Earthworks	X		20		
a) Foundations and/or Plinths	X										
b) Cable Trenches											
c) Earthworks	X										

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		d) Roads	×				
		e) Drainage					
		f) Yardstone	×				
		g) Buildings					
		h) Fencing	×				
		i) Steelwork i.1. Columns & Beams i.2. Equipment support structure i.3. Floodlight mast					
		j) Security lighting					
		k) Earthmat & earthtails	×				
		l) Substation electrical in buildings l.1. Lighting installation l.2. Ventilation installation l.3. Electrical installation (DB)					
	1.1	A program with the order in which main activities will be done				60	
	1.2	Time durations of main activities from start to end				40	

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<b>2.</b>	Construction Method Statements  Applicable Scope Ticked		<b>30</b>																									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">a) Foundations and/or Plinths</td> <td style="width: 20%; text-align: center;">×</td> </tr> <tr> <td>b) Cable Trenches</td> <td></td> </tr> <tr> <td>c) Earthworks</td> <td style="text-align: center;">×</td> </tr> <tr> <td>d) Roads</td> <td style="text-align: center;">×</td> </tr> <tr> <td>e) Drainage</td> <td></td> </tr> <tr> <td>f) Yardstone</td> <td style="text-align: center;">×</td> </tr> <tr> <td>g) Buildings</td> <td></td> </tr> <tr> <td>h) Fencing</td> <td style="text-align: center;">×</td> </tr> <tr> <td>i) Steelwork            l.4. Columns &amp; Beams            l.5. Equipment support structure            l.6. Floodlight mast</td> <td></td> </tr> <tr> <td>j) Security lighting</td> <td></td> </tr> <tr> <td>k) Earthmat &amp; earthtails</td> <td></td> </tr> <tr> <td>l) Substation electrical in buildings            l.7. Lighting installation            l.8. Ventilation installation</td> <td></td> </tr> </table>	a) Foundations and/or Plinths	×	b) Cable Trenches		c) Earthworks	×	d) Roads	×	e) Drainage		f) Yardstone	×	g) Buildings		h) Fencing	×	i) Steelwork l.4. Columns & Beams l.5. Equipment support structure l.6. Floodlight mast		j) Security lighting		k) Earthmat & earthtails		l) Substation electrical in buildings l.7. Lighting installation l.8. Ventilation installation				
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	I.9. Electrical installation (DB)				
	<p>Addition:</p> <ul style="list-style-type: none"> <li>• <u>Method of concrete mix</u>            The contractor to specify the method of concrete placement, batching on site or supply of ready mix.           <ul style="list-style-type: none"> <li>○ If Batching – the contractor to provide the following:               <ul style="list-style-type: none"> <li>- Concrete Mix design;</li> <li>- Aggregate to be used;</li> <li>- Location/supplier of aggregate; and</li> <li>- Mixing and testing to be included in the method statement.</li> </ul> </li> <li>○ If ready mix - If Ready mix – the contractor to provide the following:               <ul style="list-style-type: none"> <li>- The supplier of Ready mix and the distance from site;</li> <li>- How results ( and what results)will be obtained from the supplier; and</li> <li>- How concrete will be tested on site .</li> </ul> </li> </ul> </li> <li>• <u>Method of steel erection: (where the crane is required)</u></li> </ul>				

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	<p>If the contractor specified that he/she will not subcontract the steel erection, he/she should specify there is a qualified rigger and crane operator to perform the work.</p> <p>If the contractor does not have a qualified rigger, he/she must specify that there will be a subcontractor company responsible for steelwork in this section or under list of subcontractor section.</p>				
2.1	Relevant method statement with a description of how the main activities will be constructed			100	
3.	List of Subcontractors		10		
3.1	Any company supplying material, plant and equipment that the contractor may hire. List company with the material, plant and equipment which they are supplying			40	

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	3.2	Specify if there will be any company/contractor performing any construction work not done by the main contractor			60	
4.		List of Tools, Plant and Machinery			10	
	4.1	All relevant earthing tools, plant and machinery to be used during construction owned by the contractor. (All hired to be included in the list of subcontractor)			100	
5.		Relevant Previous Projects Completed			20	
	5.1	List of relevant and comparable previous projects executed successfully With similar scope in a table format			60	>5 Projects = 5 ; 4 to 2 projects = 4 ; 1 project = 2 ; none provided = 0
	5.2	Including project scope, completion date and client contact person and details			30	Well defined project scope, completion date and client contact person details provided (When all 3 requirements are provided) = 5 ; When any of project scope, completion date or client contact person and details is missing (When only 2 requirements are

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						provided = 4; When one of project scope , completion date and client contact person and details is provided (When only one of the requirements is provided) = 2 ; None provided = 0
	5.3	Copies of completion certificates			10	All completion certificates for the mentioned projects in 5.1 provided = 5 ; Missing any of the mentioned projects in 5.1 = 4 ; Missing more than half of the projects mentioned in 5.1 = 2 ; none provided = 0
<b>6.</b>		CV's and Qualifications of Key Personnel			<b>10</b>	
	6.1	CV's of Construction Manager/Project Manager, Site Manager/Site Agent and Site Supervisor			30	All required CVs provided = 5 ; Missing 1 CV = 4 ; Only 1 CV submitted = 2 ; none provided = 0
	6.2	CV's to include academic qualifications and experience of key personnel detailing relevant project specific work experience  Qualifications:			60	All personnel meet the minimum qualification and experience = 5. (All key personnel to meet minimum requirements to achieve maximum score);

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		Construction manager/project manager- BSc/BTech Degree plus 7 years experience;  Site manager/Site agent- BSc/BTech Degree plus 7 years experience  Site Supervisor - BSc/BTech Degree plus 7 Years experience				Any of the key personnel not meeting the required qualification and experience = 2
	6.3	Proof/copies of certified academic qualifications			10	All qualifications mentioned in 6.1 & 6.2 provided = 5 (if all certified = 5 and not certified = 0) "Uncertified documents cannot be verified and therefore will results in documents not being accepted".
					<b>TOTAL: 100</b>	

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The scoring for each tender will be done as per the scoring table shown below. This table is as per the requirements of Tender Engineering Evaluation Procedure.

**Table 2: Evaluation Scoring Table**

Score	Percentage	Definition
5	100	<b>COMPLIANT</b> Meet technical requirement(s) AND; No foreseen technical risk(s) in meeting technical requirements.
4	80	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> Meet technical requirement(s) with; Acceptable technical risk(s) AND/OR; Acceptable exceptions AND/OR; Acceptable conditions.
2	40	<b>NON-COMPLIANT</b> Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; Unacceptable exceptions AND/OR; Unacceptable conditions.
0	0	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>

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**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.

**The technical returnable/qualitative technical criteria description shall follow the same numbering sequence as per this evaluation criteria:**

1. Construction program/technical schedule
2. Construction method statements
3. List of subcontractors
4. List of tools, plant and machinery
5. Relevant previous projects completed
6. CV's and qualifications of key personnel

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