

Evaluation criteria for Professional engineering consultant services

The evaluation process will be based on threshold criteria and will be as follows:

	Description of quality criteria	WQ	Sub criteria	Maximum Score	Minimum Threshold
			Quality Score		
1	Tenderer's resource proposal	90	Qualifications	50	30
			Years of experience in similar works	30	18
2	Technical	10	Bid specific organogram	10	6
3	Company's References and experience	10	Company references Experience Similarity in works, scope	10	6
Total				100	60

- All Foreign Qualifications must be accompanied by a letter from the South African Qualifications Authority.
- All Foreign Professional registrations must be accompanied by a letter from the Engineering Council regarding applicability in the Republic of South Africa.
- No duplication of personnel per resource description

Functionality breakdown

1. TENDERER'S RESOURCE PROPOSAL BREAKDOWN (40 Points)

Qualifications (20 points) – Proof (certificates, relevant registrations, diplomas or degrees) of qualification should be attached to the resources' CV's.

Role Description	Poor = 0	Minimum = 6 points	Maximum = 10 points
Professional Construction Project Manager (Mechanical Engineer)	If any of these resource(s)' qualification is below the minimum score for sub criterion, the bidder will be disqualified	SAQA accredited BTech Mechanical Engineering AND registered with ECSA PROFESSIONAL ENGINEERING TECHNOLOGIST (MECHANICAL) AND Registration with SACPCMP as a Construction Manager or Construction Project Manager	SAQA accredited BEng/BSC Mechanical Engineering AND ECSA registered PROFESSIONAL ENGINEER (MECHANICAL) AND Registration with SACPCMP as a Construction Manager or Construction Project Manager

Role Description	Poor = 0	Minimum = 6 points	Maximum = 10 points
Electronic Engineer	If any of these resource(s)' qualification is below the minimum score for sub criterion, the bidder will be disqualified	SAQA accredited BTech Electronics/Mechatronics Engineering and registered with ECSA as Professional Engineering Technologist registration	SAQA accredited BENG/BSC Electronics/Mechatronics Engineering And registered with ECSA as Professional Engineer registration

Role Description	Poor = 0	Minimum = 6 points	Maximum = 10 points
Electrical Engineer	If any of these resource(s)' qualification is below the minimum score for sub criterion, the bidder will be disqualified	SAQA accredited BTECH Electrical Engineering and registered with ECSA as PROFESSIONAL ENGINEERING TECHNOLOGIST registration	SAQA accredited BENG/BSC Electrical Engineering and registered with ECSA as PROFESSIONAL ENGINEER registration

Role Description	Poor = 0	Minimum = 6 points	Maximum = 10 points
Civil Engineer	If any of these resource(s)' qualification is below the minimum score for sub criterion, the bidder will be disqualified	SAQA accredited BTECH Civil Engineering and registered with ECSA as PROFESSIONAL ENGINEERING TECHNOLOGIST registration	SAQA accredited BENG/BSC Civil Engineering and registered with ECSA as PROFESSIONAL ENGINEER registration

Role Description	Poor = 0	Minimum = 6 points	Maximum = 10 points
Fire systems Practitioner (Water based systems / Rational Design)	If any of these resource(s)' qualification is below the minimum score for sub criterion, the bidder will be disqualified	ECSA registration as a water-based fire systems practitioner or Rational Design	ECSA registration as a water-based fire systems practitioner and registered with ECSA as PROFESSIONAL ENGINEER mechanical engineer

Years of Experience of key personnel as per the evaluation criteria (20 Points)- (Proof of relevant experience should be included in the resources' CV's (Contactable references in CV)).

Resource Description Points	(Poor) = 0	(Minimum)= 4.8	(Maximum)= 8
Professional Construction Project Manager (Mechanical Engineer)	If any of these resources' experience is below minimum requirements, the score is automatically zero for the whole matrix on experience	<p>3 years to 5 years' experience in management of construction projects in a live environment.</p> <p>Demonstrate Occupational health and safety management experience of at least 3 years in a multidisciplinary engineering or built environment.</p> <p>Demonstrate at least 3 years' experience in construction projects, contracts Management such as NEC ECC or FIDIC or JBCC or GCC.</p>	<p>More than 5 years' experience in management of construction projects in a live environment.</p> <p>Demonstrate Occupational health and safety management experience of at more than 5 years in a multidisciplinary engineering or built environment.</p> <p>Demonstrate more than 5 years' experience in construction projects contracts Management such as NEC ECC or FIDIC or JBCC or GCC.</p>

Role Description	Poor = 0	(Minimum)= 4.8	(Maximum)= 8
Electronic Engineer	If any of these resources' experience is below the minimum requirements, the score the bidder will be disqualified	At least 4 years' experience as BENG/BSC/BTECH Electronics/Mechatronics and at least 5 years post PROFESSIONAL ENGINEER registration	More than 5 years' experience as BENG/BSC/BTECH Electronics/Mechatronics and at least 5 years post PROFESSIONAL ENGINEER registration

Role Description	Poor = 0	(Minimum)= 4.8	(Maximum)= 8
Electrical Engineer	If any of these resources' experience is below the minimum requirements, the score the bidder will be disqualified	At least 4 years' experience as BENG/BSC/BTECH Electrical Engineering and at least 5 years post PROFESSIONAL ENGINEER registration	More than 5 years' experience as BENG/BSC/BTECH Electrical Engineering and at least 5 years post PROFESSIONAL ENGINEER registration

Role Description	Poor = 0	(Minimum)= 4.8	(Maximum)= 8
Civil Engineer	If any of these resources' experience is below the minimum requirements, the score the bidder will be disqualified	At least 4 years' experience as BENG/BSC/BTECH Civil Engineering and at least 5 years post PROFESSIONAL ENGINEER registration and Experience in structural assessment or design	More than 5 years' experience as BENG/BSC/BTECH Civil Engineering and at least 5 years post PROFESSIONAL ENGINEER registration and Experience in structural assessment or design

Role Description	Poor = 0	(Minimum)= 4.8	(Maximum)= 8
Fire systems Practitioner (Water based systems / Rational Design)	If any of these resources' experience is below the minimum requirements, the score the bidder will be disqualified	At least 3 yrs experience in the commissioning or maintenance of water based firefighting systems	More than 5 years' experience in the commissioning or maintenance of water based firefighting systems

2. Technical approach (10 Points)

Bid Specific Organogram

Points	Description
(Poor)=0	The team is not balanced with key personnel (as per the project resources required) to deliver the project successfully, and responsibility is not allocated to well experienced in the appropriate discipline, the organogram does not show clear responsibilities and resources dedicated to the project and the support resources.
(Minimum)=12	The team is balanced with key personnel (as per the project resources required) to deliver the project successfully, and responsibility is allocated to well experienced in the appropriate discipline, the organogram shows clear responsibilities and resources dedicated to the project. 1 Supervisor, 3 Artisan, and 3 Assistant, 1 Administrator / Storeman
(Maximum)=20	The team is balanced with key personnel (as per the project resources required) to deliver the project successfully, and responsibility is allocated to well experienced in the appropriate discipline, the

organogram shows clear responsibilities and resources dedicated to the project and the additional support resources.

1 Supervisor, 3 Artisan, and 3 Assistant, 1 Administrator / Storeman and additional support resources

3. RELEVANT REFERENCE AND EXPERIENCE OF THE TENDERING ENTITY/ENTITIES BREAKDOWN (10 Points)

Number of relevant completed Professional Construction Project Management Services or Professional engineering consultant services (10 Points) - *The Tenderer should provide contactable proof of company references of Professional Construction Project Management Services work completed.*

Company references and value of Professional Construction Project Management Services or Professional engineering consultant services			
Item No	Poor = 0	MINIMUM points = 6 points	MAXIMUM points = 10 Points
1	0 company references showing the client's name, the type of relevant Professional Construction Project Management Services	One (1) Contactable company reference letter / Completion Certificate (Showing the client's name, the type of relevant Professional Construction Project Management Services or Professional engineering consultant services, Value and Contact Details email and contact numbers)	Two (2) or more Contactable company references / Completion Certificates from different entities. (Showing the client's name, the type of relevant Professional Construction Project Management Services Professional engineering consultant services, Value and Contact Details email and contact numbers)
NB SCORING NOTES			
<ul style="list-style-type: none"> • - If bidder provides 1 or more reference letter / Completion Certificate and none of the references shows a bidder's ability in Professional Construction Project Management Services (No points will be allocated) • <u>Reference letter of the Bidding entity/entities must have the following as a minimum.</u> <ol style="list-style-type: none"> 1) Referee Company letter head. 2) The description of works performed by the bidder. 3) The start date and end date of the contract 4) Contact Details email and contact number. 			