

	Award, Completion Certificate and written reference from client confirming appointment and successful completion of works to client's satisfaction
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The Key Personnel Requirements.

It is a requirement of this tender that the Tenderer shall provide the Key Resources for Primary Disciplines (Item 1.1 to item 1.16 listed in the Table 2 below) and Support Resources Support Disciplines (item 2.1 to item 2.11 in the Table 2 below). The resources do not have to be in the permanent employ of the Tenderer and can be acquired for the sole purpose of this tender

The minimum number of these resources, qualification and professional registration are stated in table 2.

Tenderers not in compliance with providing these resources, the minimum number thereof and to the equivalent qualification and professional registration required to practice in Republic of South Africa (RSA) will be deemed non-responsive. The Tenderer must ensure that the country in which the engineer is registered is a signatory to one of the International Mobility Agreements like the Washington, Sydney, or Dublin Accords

As part of the returnable the tenderer must attach to T2.2.14 CV's of each Key Resource and each Support Resource in the format listed in T2.2.14. Resources must not be duplicated between Disciplines. If resources are duplicated the tenderer shall be deemed nonresponsive in having not met the minimum number of resources required per discipline

The Primary Key Resources

Table 2

<u>Item</u>	<u>Description of Resource</u>	<u>Min .No of</u>	<u>Min Experience</u>	<u>Qualification</u>	<u>Professional Registration (if applicable)</u>
1	Key Resources for Primary Disciplines				
1.1	Principal Consultant	1	Principle Lead Consultant with greater than 10 years post registration experience with a minimum of five (5) Projects which involved Pre-feasibility and Feasibility Studies, five (5) projects which involved Detail Design and three (3) projects which involved Construction Management.	BSc Eng or BSc Architecture	Pr. Eng, or Pr. Architecture
1.2	Procurement and Contract Specialist	1	Procurement and Contract Specialist with greater than 10 years experience in the Development of Procurement Strategy and Contracting Strategy for greater than and equal to (5) infrastructure related projects	BSc Eng or BEng or BTech, BA, BSC, BCom	N/A
1.3	Commercial and Regulatory Specialist	1	Commercial and Regulatory Specialist at a Senior Management level with greater than 10 years experience for greater than and equal to (5) infrastructure related projects	BSc Eng or BEng or BTech, BA, BSC, BCom	N/A
1.4	Socio Economic Specialist	1	Lead Economist with greater than 10 years experience undertaking social economic analysis of benefits for greater than and equal to five (5) Projects which required Pre-feasibility and Feasibility Studies.	B Degree in Economics	N/A
1.5	Financial Specialist	2	Financial Specialist with greater than 10 years experience in undertaking financial evaluation of infrastructure projects for greater than and equal to five (5) projects which required Pre-feasibility and Feasibility Studies.	B Degree in Accounting/Finance	N/A
1.6	Economic Specialist	2	Lead Economist with greater than 10 years experience in undertaking both social and economic analysis for infrastructure related projects for greater than and equal to five (5) Projects which required Pre-feasibility and Feasibility Studies.	B Degree in Economics	N/A
1.7	Civil/Structural	2	Lead Civil/Structural Engineer undertaking civil Structural analysis	BSc Eng or	Pr. Eng, or

	Engineering Specialist		at detail design level for greater than and equal to ten (10) projects..	BEng or BTech	Pr Tech Eng
1.8	Geotechnical Specialist	1	Lead Geotechnical Engineer undertaking geotechnical analysis at detail design level for greater than and equal to ten (10) projects.	BSc Eng or BEng or BTech or BSC	Pr. Eng, or Pr Tech Eng, or Pr. Natural Science
1.9	Transportation Specialist (including Rail)	1	Lead Transportation Engineer undertaking Transportation analysis at detail design level	BSc Eng or BEng or BTech	Pr. Eng, or Pr Tech Eng
1.10	Architectural Specialist (Urban Design)	1	Lead Architect undertaking urban Design detail design level for greater than and equal to ten (10) projects..	B.Sc. (Architecture) degree; Btech Architecture	Pr..Arch / Pr Arch Technologist
1.11	Architectural Specialist (Buildings and Structures)	1	Lead Architect undertaking building at detail design level for greater than and equal to ten (10) projects.	B.Sc. (Architecture) degree; Btech Architecture	Pr. Arch / Pr. Arch Technologist
1.12	Mechanical Specialist	1	Lead Mechanical engineer undertaking Mechanical design at detail design level for greater than and equal to ten (10) projects.	BSc Eng or BEng or BTech	Pr. Eng, or Pr Tech Eng
1.13	Electrical Specialist	1	Lead Electrical Engineer undertaking Electrical design and alternate energy Design at detail design level for greater than and equal to ten (10) projects.	BSc Eng or BEng or BTech	Pr. Eng, or Pr. Tech Eng
1.14	Infrastructure Risk Specialist	1	Lead Infrastructure Risk Specialist undertaking and facilitating risk assessments for detail design level for greater than and equal to ten (10) projects.	BSc, bachelor's degree in relevant field	N/A
1.15	Environmental and Climate Resilience Specialist	1	Lead Environmental and Climate Resilience Specialist for detail design level for greater than and equal to ten (10) projects.	BSc, bachelor's degree in relevant field,	Registered Pr. Sci Nat , Pr.Eng, Pr. Tech Eng
1.16	Quantity Surveyor	1	Lead QS on greater than and equal to ten (10) projects. Each	BSc, BEng or BTech	Pr. QS
2	Support Resources – Support Disciplines				
2.1	Scheduler	2	Min. 5 years' experience in MS Project or Primavera or other scheduling software	Any Built Environment Qualification	N/A
2.2	GIS specialist	2	Min. 5 years of GIS database experience.	Any Built Environment Qualification or Natural Science or GIS	N/A
2.3	Draftsperson Architectural	4	Draftsperson Architectural with min. of 3 years' experience	Any Built Environment Qualification or Drafting Qualification	N/A
2.4	Draftsperson Structural Civil	4	Draftsperson Structural Civil with min of three years' experience	Any Built Environment Qualification or Drafting Qualification	N/A
2.5	Support Staff Transportation	2	Support Staff Transportation Engineering min. 5 years' post professional experience	BSc Eng or BEng or	Pr. Eng, or Pr Tech Eng

	Engineering			BTech	
2.6	Support Staff Civil/Structural Engineering	2	Support Staff Civil/Structural Engineering min. 5 years' post professional experience	BSc Eng or BEng or BTech	Pr. Eng, or Pr Tech Eng
2.7	Support Staff Architectural	3	Support Staff Architectural min. 5 years' post professional experience	BSc Eng or BEng or BTech	Pr.Arch / Pr Arch Technologist
2.8	Support Staff Electrical & Mechanical	2	Support Staff Electrical & Mechanical min. 5 years' post professional experience	BSc Eng or BEng or BTech	Pr. Eng, or Pr Tech Eng
2.9	Support Staff Economics	2	Support Staff Economics min. 5 years' post professional experience	B Degree in Economics	N/A
2.10	Support Staff Financial Specialist	2	Support Staff Financial Specialist min. 5 years' post professional experience	B Degree in Commerce	CA or Actuary
2.11	Project Administration staff	4	Support Staff to entire Professional team	N/A	N/A

Preference Point System

The procedure for the evaluation of responsive tenders is **PRICE AND PREFERENCE**, in accordance with the Employer's current SCM Policy.

Price Points

The **90/10** preference points system will be applied. The Formula used to calculate the **Price Points (max. 70)** will be according to that specified in the Employer's SCM Policy.

Preference Points

Reference is also to be made to T2.2.7: "**MBD 6.1: Preference Points Claim**".

The Preference Points (either 20 or 10) will be derived from points claimed for **Specific Goals** as indicated in the table(s) below, according to the specified **Goal/ Category Weightings**.