



higher education
& training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA



MOTHEO TVET COLLEGE

**MOT TVET COLLEGE, IN COLLABORATION PURCHASING CONSORTIUM SOUTHERN AFRICA
(PURCO SA)**

REQUEST FOR PROPOSALS (RFP)

**THE APPOINTMENT OF THREE (3) PANEL OF PROFESSIONAL ENGINEERING CONSULTANTS
AND PROJECT MANAGEMENT TEAMS TO PROVIDE MULTI-DISCIPLINARY TECHNICAL
DELIVERY CAPACITY FOR A PERIOD OF THIRTY-SIX (36) MONTHS**

TENDER NO. PU8110/045

Prospective Suppliers who are interested in participating in the aforementioned tender are invited to submit a proposal in full compliance to the requirement of this tender document. Completed documents with all attachments must be signed and submitted on the **PURCO SA Website**. The closing time and date for receipt for online tender **PU8110/045** is at 11h00 on Tuesday, 12 August 2024.

| | |
|---------------------------------------|---|
| Tender number | PU8110/045 |
| Date issued | 21 July 2024 |
| Compulsory Information Session | 30 July 2024 Time: 09h00 AM An online compulsory briefing session will be facilitated via MS Teams |
| Tender closing date | 12 August 2024 Time: 11h00 AM Tender Submission will be Electronic on www.purcosa.co.za Supplier Hub- Online Tender Submission Guide |

| | | |
|------------------------|--------------------|--------|
| Company Name | | |
| Address | | |
| Contact person | Mr/Mrs/Ms/Dr/Prof. | |
| Contact numbers | (w) | (cell) |

1.1 Mandatory Requirements

No Bidder is allowed to BID twice either as an individual or as a joint venture or both. If anyone is found to have transgressed, will be disqualified together with the Joint Venture entity.

Engineering and Project Management Services:

- i) Engineering firm/company must be affiliated with Consulting Engineers South Africa (CESA), or South African Black Technical and Allied Careers (SABTACO), or Black Business Council in the Built Environment (BBCBE) Or any other recognised body in the Republic.
- ii) The Director/s of a company must have a B Degree or B Tech in Civil Engineering or Construction Management, registered as a Professional Engineer (Pr. Eng.) or Professional Engineering Technologist (Pr. Tech. Eng.) or Construction Project Manager affiliated with The South African Council for the Project and Construction Management Professions(PCM) in terms of the Project and Construction Management Professions Act, 2000 and have 50% or more Directorship in the company either individually or combined.
- iii) In case of a Joint Venture, Directors of both firms/companies must have B Degree or B Tech in Civil Engineering or Construction Management, and have 50% or more in their respective companies and each must be registered as Professional Engineer (Pr. Eng.) Or Professional Engineering Technologist (Pr. Tech Eng.) or Construction Project Manager (Pr. CPM).
- iv) All bidders should within their PRT have the following Key Resources and they must meet the minimum requirements as stipulated in the functionality table:
 - a. Project Leader,
 - b. Design Engineer,
 - c. Contracts Engineers,

| I/We have attached to this document: | Tick if submitted | | Office use |
|---|-------------------|----|------------|
| | Yes | No | |
| Submission of Professional Indemnity of R10 000 000 or more | Yes | No | |
| Letters of good Standing with all the above bodies or organisations | Yes | No | |
| Attach certified identity copies (not older than 6 months) for all shareholders, directors and key personnel (Engineering Professionals) | Yes | No | |
| Attach proof of professional registration certificate/s with relevant bodies for all key personnel (engineering professionals) and tendering entity | Yes | No | |
| Pricing Schedule (initial and complete) | Yes | No | |
| Lead Consultant / Principal must be based or has representation in Free State Province (provide proof, e.g. lease, municipality statement, etc not older than 6 months) | Yes | No | |
| Qualifications – bidders to submit qualifications for all engineering professionals, refer to page 47, clause 7 | Yes | No | |
| Submit valid B-BBEE Verification Certificate by a SANAS accredited verification agency / Sworn Affidavit (where applicable) | Yes | No | |

1.1.1 Administrative Compliance:

| I/We have attached to this document: | Tick if submitted | | Office use |
|--|-------------------|----|------------|
| | Yes | No | |
| A copy of SARS Tax Pin Certificate | Yes | No | |
| Company registration documents; | Yes | No | |
| Copy of CSD report | Yes | No | |
| Joint Venture agreement in case of a Joint Venture. (In the case of a consortium or joint venture (including unincorporated consortia and joint ventures) or Partnership, a signed teaming agreement /JV agreement signed by both parties is required. | Yes | No | |
| All applicable SBD forms to be completed and signed accordingly (SBD 1, SBD 4, SBD 6.1 and SBD 7.2) | Yes | No | |
| The tenderer or any of its directors are not listed on the Register of Tenderer Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004. | Yes | No | |

All the above certificates must be valid and not expired or inactive at the time of submission of the tender.

1.2 EVALUATION CRITERIA

1.2.1 Stage 1 (Functionality)

This bid will be evaluated in two stages. On first stage, bids will be evaluated on functionality in terms of technical compliance and on second stage in accordance with 80/20 preference points system.

1.2.2 Phase 1: Evaluation of Functionality

PURCO SA and the members of the Bid Evaluation Committee will evaluate the functionality stage of the tender. Functionality will be evaluated in terms of experience and skill level.

MOT's evaluation criteria provide for the accumulation of points for a Tenderer's submission based on the extent to which functionality meets MOT's minimum requirements of **70%** in order to qualify for evaluation on stage 2:

| FUNCTIONALITY CRITERIA & POINTS | | |
|--|--|--------------------------|
| KEY PERSONNEL EXPERIENCE AND QUALIFICATIONS | | Maximum Points Allocated |
| ENGINEERING SKILLS, EXPERIENCE AND QUALIFICATIONS : (Points) | | |
| Project leader | <ul style="list-style-type: none"> B Degree or B Tech in Civil Engineering or Construction Management; Registered as a Professional Engineer or Professional Engineering Technologist in terms of the Engineering Professions Act, 2000 or as a Construction Project Manager in terms of the Project and Construction Management Professions Act, 2000. 10 or more years' experience in planning, design and project management in infrastructure. Preferable have also carried out projects in line with the DHET guidelines. Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated. | 10 |
| Design Engineer | <ul style="list-style-type: none"> B Degree or B Tech in Civil Engineering or Construction Management; Registered as a Professional Engineer or Professional Technologist in terms of the Engineering Professions Act, 2000 or as a Construction Project Manager in terms of the Project and Construction Management Professions Act, 2000. 10 or more years' experience in planning, design and project management in infrastructure (water and sanitation, storm water, sewer, roads, waste water treatment plant). Labour Intensive Construction Certificate (LIC NQF7). <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | 10 |
| Contracts Engineer | <ul style="list-style-type: none"> B Degree or B Tech in Civil Engineering or Construction Management; Registered as a Professional Engineer or Professional Technologist in terms of the Engineering Professions Act, 2000 or as a Construction Project Manager in terms of the | 10 |

| | | |
|-------------------|--|-----------|
| | <p>Project and Construction Management Professions Act, 2000.</p> <ul style="list-style-type: none"> • 10 or more years' experience in planning, design and project management in infrastructure (water and sanitation, storm water, sewer, roads, waste water treatment plant). <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | |
| Resident Engineer | <ul style="list-style-type: none"> • B Degree or B Tech in Civil Engineering or Construction Management; • Registered as a Professional Engineer or Professional Technologist in terms of the Engineering Professions Act, 2000 or as a Construction Project Manager in terms of the Project and Construction Management Professions Act, 2000. • 10 or more years' experience in planning, design and project management in infrastructure (water and sanitation, storm water, sewer, roads, waste water treatment plant) <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | 10 |
| | | |

| FUNCTIONALITY CRITERIA & POINTS | | |
|--|--|--------------------------|
| KEY PERSONNEL EXPERIENCE AND QUALIFICATIONS | | Maximum Points Allocated |
| ENGINEERING SKILLS, EXPERIENCE AND QUALIFICATIONS : (Points) | | |
| Architect | <ul style="list-style-type: none"> • B degree or B Tech in Architectural Science and registered as a Professional Architect or Professional Technologist in terms of Architecture Professional Act No 44 of 2000 or as a Construction Project Manager in terms of the Project and Construction Management Professions Act, 2000. • 10 or more years' experience in the provision of services on Architectural project <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | 5 |
| Electrical Engineer | <ul style="list-style-type: none"> • B degree or B Tech in Electrical Engineering and Registered as a Professional Engineer or Professional Engineering Technologist in terms of the Engineering Professions Act, 2000. • 10 or more years' experience in the planning, design, project preparation, and project management of the electrical infrastructure in South <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | 5 |

| | | |
|--|--|-------------|
| Quantity Surveyor | <ul style="list-style-type: none"> • B degree or B Tech in Quantity Surveying and registered as Professional Quantity Surveyor in terms of the Quantity Surveying Professions Act, 2000; • 10 or more years' experience in cost management and cost control of buildings, civil works and related infrastructure services. <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | 2.5 |
| Environmental Scientist | <ul style="list-style-type: none"> • Bachelor's degree in Environmental Studies or Natural Science; • Professional registration as a Professional Natural Scientist in terms of The National Scientific Professions Act, 2003. • Must have at least 10 years' experience in the environmental compliance and management aspects of construction projects and other Infrastructure delivery programmes. <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | 2.5 |
| Geotechnical Engineer | <ul style="list-style-type: none"> • Bachelor's degree or B Tech in Civil Engineering or Geotechnical Engineering, or Engineering Geology and registered as a Professional Engineer, or as a Professional Natural Scientist in terms of the Engineering Professions Act, 2000 or the Natural Scientific Professions Act, 2003. • 10 or more years' experience in the provision of geotechnical services on civil engineering projects. <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated</p> | 2.5 |
| Occupational Health and Safety Specialist | <ul style="list-style-type: none"> • B Degree or B Tech in Environmental Health, or in Public Health, or in Safety Risk Management, or equivalent, and Registered with the South African Institute of Occupational Safety and Health (SAIOSH), or with the Institute of Safety Management (IOSM) or South African Councillor the Project and Construction Management Professionals (SACPCMP) • <input type="checkbox"/> 10 or more years' experience in the occupational health and Safety management on public infrastructure delivery programmes and general construction works. <p>Full CVs of the nominated members of the Team and Professional Affiliations as well as their affidavits allowing use of their CVs to be attached. Failure to attach any of these will result in no points being allocated.</p> | 2.5 |
| FIRM EXPERIENCE: ENGINEERING SERVICES | | |
| Engineering Consulting firm | <ul style="list-style-type: none"> • A firm Completed 5 or more projects in the construction of building and infrastructure projects to the construction value of R 40 000 000. (Each) and above. (12.5 points) • A firm Completed 3-4 projects in the construction of building and infrastructure projects to the construction value of R 40 000 000. (each) and above (10 points) • A firm Completed 1-2 projects in the construction of building and infrastructure projects to the construction value of R 40 000 000. (each) and above (8 points) | 12.5 |

| | | |
|--------------------------------------|---|-------------|
| | <ul style="list-style-type: none"> • A firm Completed 5 or more projects in the construction of building and infrastructure projects to the construction value of R 20 000 000 (each) – R 39 999 999.99. (7.5 points) • A firm Completed 3-4 projects in the construction of building and infrastructure projects to the construction value of R 20 000 000 (each) – R 39 999 999.99. (5 points) • A firm Completed 1-2 projects in the construction of building and infrastructure projects to the construction value of R 20 000 000 (each) – R 39 999 999.99. (2.5 points) | 7.5 |
| | <ul style="list-style-type: none"> • A firm Completed 5 or more projects in the construction roads and or storm water infrastructure projects to the construction value of R 40 000 000 (each) and above. (12.5 points) • A firm Completed 3-4 projects in the construction roads and or storm water infrastructure projects to the construction value of R 40 000 000 (each) and above. (10 points) • <input type="checkbox"/> A firm Completed 1-2 projects in the construction roads and or storm water infrastructure projects to the construction value of R 40 000 000 (each) and above. (8 points) | 12.5 |
| | Locality | |
| | <p>Locality: Local Infrastructure in Free State Province Proof of local infrastructure essential (e.g. Utility bill or Lease Agreement etc.) Proof of Free State Infrastructure provided = 7.5 Points Proof of Free State Infrastructure not provided = 0 Point</p> | 7.5 |
| TOTAL SCORE FOR FUNCTIONALITY | | 100 |

1. SECTION 3: SCOPE OF WORK

1.3 SCOPE OF WORK AND GENERAL RESPONSIBILITIES

Motheo TVET is the official implementing agent of sustainable human settlements in the province through government-wide human settlements policies and programmes. The Motheo TVET is funded by several funders (SETA's) and Higher Education and Training and Informal (DHET). The institution promotes Teaching and learning through skills development.

1.4 OBJECTIVE OF THE PANEL

The objectives of these panel of the Professional Team, is to enable the institution to address the needs and to upgrade the infrastructure in the identified areas and to ensure security of occupation to the facilities in a shortest possible time.

To achieve the above, the services of suitably qualified Professional Teams is sought to undertake township establishments, design of engineering services as well as other land development processes such as renovations refurbishments and extensions in line with the approved Spatial Development Frameworks, and Integrated Development Plans.

2. SCOPE OF WORK

1.5 SCOPE OF WORK FOR ENGINEERING SERVICES

The scope of services will be rendered by a team of professionals on an "as and when" basis. The appointed service providers are expected to undertake the following services which include (but are not limited to) the following:

- Consulting Engineer or Consultant
- Planning, studies, investigations and assessments
- Financial Administration Services
- Project Inception
- Project Concept and Viability (often called preliminary design)
- Design Development (also termed detailed design)
- Documentation and Procurement
- Contract Administration and Inspection
- Construction monitoring
- Close-Out
- Topographical and environmental surveys, analyses, tests and site or foundation or other investigations, model tests, laboratory tests and analyses carried out
- Setting out or staking out the works and indicating any boundary beacons and other reference marks.
- Detailed inspection, reviewing and checking of designs and drawings not prepared by the consulting engineer and submitted by any contractor or potential contractor as
- alternative to those embodied in tender or similar documents prepared by the consulting engineer
- Inspection and testing, other than on site, of materials and plant, including inspection and testing during manufacture.
- Preparing detailed operating, operation and maintenance manuals
- Quality assurance system
- Geotechnical investigation
- Environmental Specialist

- Occupational Health and Safety

Further, the professional service provider will submit the work as outlined on the scope of work and in a format that is possible to calibrate and manipulate with other GIS related tools and CAD software (DWG/DXF). Hard copies of all reports are also required.

1.6 PROJECT TEAM FOR ENGINEERING SERVICES

The following Professional Resource Team (PRT) is required to provide support to Motheo Tvet College

- Project leader (Key member)
- Design Engineer (Key member)
- Contracts Engineer (Key member)
- Resident Engineer
- Geotechnical Engineer
- Electrical Engineer
- Architect
- Quantity Surveyor
- Environmental specialist
- Occupational Health and Safety Professional

1. Qualifications and Professional Fees

All bidders MUST submit all qualification and CVs for all professional listed hereunder:

| Professional Provided | Qualifications | Submit Certified Copies of Qualifications (Mandatory) |
|--|---|---|
| Project leader (Key member) | (Pr CPM - SACPCMP or Built Environment) | |
| Design Engineer (Key member) | (Pr Arch/ Snr Pr Arch Technologist/ Pr Arch Technologist) | |
| Contracts Engineer (Key member) | (Pr QS) | |
| Resident Engineer | (Pr Eng/ Pr Tech) | |
| Geotechnical Engineer | (Pr Eng/ Pr Tech) | |
| Electrical Engineer | (Pr Eng/ Pr Tech) | |
| Architect | (Pr Arch/Snr Pr Arch Technologist / Pr Arch Technologist) | |
| Quantity Surveyor | (Pr Eng/ Pr Tech) | |
| Environmental specialist | (Pr Eng/ Pr Tech) | |
| Occupational Health and Safety Professional | (Pr CHSA / NOSA) | |

7.1 Project-Based Fee Structure

The Professional Fees will Project-Based and fixed, bidders must indicate their percentage for their fees hereunder:

| Item | Description | Project-Based Fixed % |
|------|-----------------------------------|-----------------------|
| 1 | Principal Agent Professional Fees | % |

7.2 Disbursement: All Disciplines

Bidders are expected to quote in full, even if third parties provide this service.

| Item | Claim | Unit of Measurement | Price Per Unit Including VAT |
|------|--|---------------------|------------------------------|
| 1 | Travel – SARS rates (will be paid ONLY within Freestate province) | Rand per km/ R4,10 | R |
| 2 | A1 computer original plots (other size plots part thereof) | Per copy | R |
| 3 | A1 prints monochrome | Per copy | R |
| 4 | A3 prints monochrome | Per copy | R |

| | | | |
|---|----------------------|----------|---|
| 5 | A3 prints colour | Per copy | R |
| 6 | A4 prints monochrome | Per copy | R |
| 7 | A4 prints colour | Per copy | R |
| 8 | A0 paper | Per copy | R |

NB: Bidders are expected to quote in full, even if third parties provide this service.

7.3 Professional Fees (%) for Engineers under the PA

| Engineering Professionals | Percentage (%) Fees (Excl. VAT) |
|--|--|
| Project leader (Key member) | % |
| Design Engineer (Key member) | % |
| Contracts Engineer (Key member) | % |
| Resident Engineer | % |
| Geotechnical Engineer | % |
| Electrical Engineer | % |
| Architect | % |
| Quantity Surveyor | % |
| Environmental specialist | % |
| Occupational Health and Safety Professional | % |

