



TRANSNET



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**Compulsory Tender Clarification Meeting:  
31 March 2023 @ 10h00**

**TNPA: The feasibility design for the upgrade  
and deepening of Maydon Wharf berths 5-  
11 and 15 in the Port of Durban.**

# **RFP for the feasibility design for the upgrade and deepening of Maydon Wharf berths 5-11 and 15 in the Port of Durban.**

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- 5. Overview of the services for detailed engineering design**
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- 7. Available information**
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  - Qualifications and Experience of key persons**
  - Health & Safety Management**
  - Company Previous Experience**
  - Approach Paper**
  - Project Organogram**



### 3. Project overview / Background

The Maydon Wharf precinct is one of the oldest in the Port of Durban, it has multipurpose terminals consisting of 15 berths with an average age of more than 50 years. The terminal was constructed to accommodate vessels transporting dry and liquid bulk. The terminal consists of different types of berth structures. These structures include deck on pile and concrete blockwork structures.

It has been observed that the size of the vessels calling in at the berths have been increasing over the years as there has been a larger demand and an increase in the shipping industry. To keep up with these demands, Transnet National Ports Authority (TNPA) set out on a programme to upgrade and deepen the berths at Maydon Wharf to accommodate larger vessels.



### 3. Project overview / Background

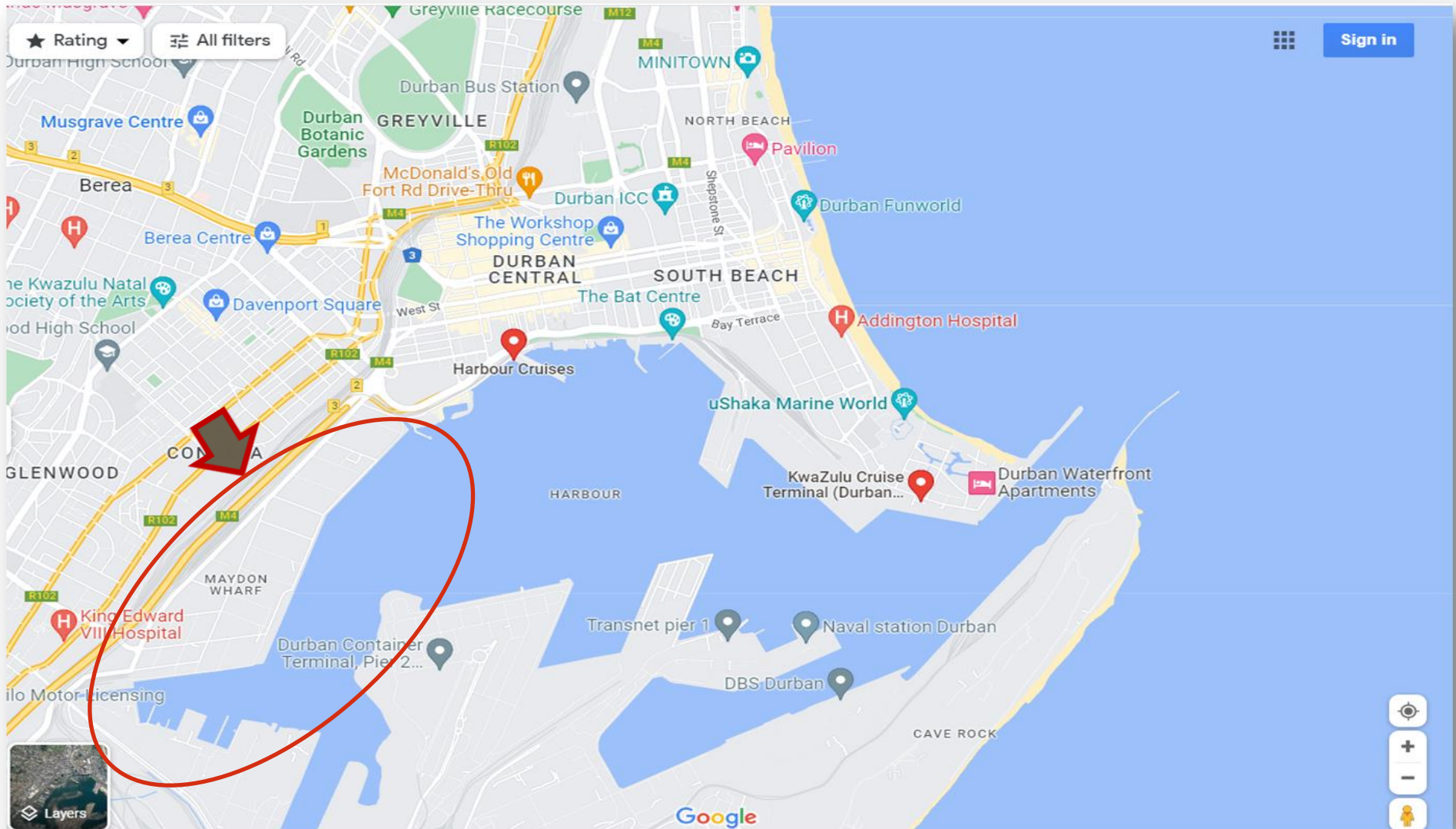
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Berths 1 to 4 and Berths 12 to 14 have been upgraded in the last 10 years as Phase 1 of this programme. Phase 2 of the programme was initiated in 2021 where a Professional service provider was procured to undertake Concept and Prefeasibility studies with the aim of upgrading and deepening Berths 5 to 11 and Berth 15.

The prefeasibility study was conducted in 2021 and options were developed for each berth with the preferred design highlighted in the report. The design options included the structural upgrades as well as the deepening of the berths.



## 4. Site Locality







## 4. Site Locality





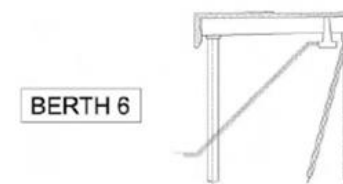
## 5. Overview of the services for detailed engineering design

### Overview of Maydon Wharf Berth Structure

Berth	Berth Bollard Numbers	Structure Type	Year of construction (estimate)	Design depth [mCD Port]	Surveyed depth [mCD Port]
5	41 - 52	Deck on piles (wharf)	1964	-9.9	-11
6	52 - 61	Deck on piles (wharf)	1964	-9.9	-11
7	61 - 75	Deck on piles (wharf)	1961 - 63	-9.9	-11.5
8	75 - 86	Deck on piles (wharf)	1985	-10.4	-12
9	86 - 96	Deck on piles (wharf)	1965 - 66	-9.9	-11.5
10	96 - 107	Deck on piles (wharf)	1964 - 67	-9.9	-11
11	107 - 116	Deck on piles (wharf)	1940 (dolphins), 1957 - 59 (deck on piles)	-10.6	-11
15	159 - 172	Concrete block wall	1923 - 25	-10.9	-11



BERTH 5



BERTH 6



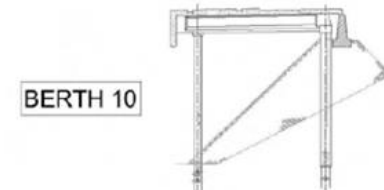
BERTH 7



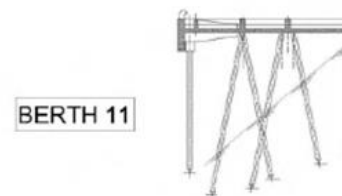
BERTH 8



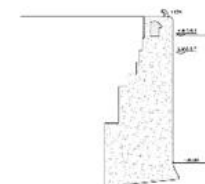
BERTH 9



BERTH 10



BERTH 11



TYPICAL SECTION: BERTH 15  
SCALE 1 : 200



## 5. Overview of the services for detailed engineering design

TNPA require the services of a professional consulting team (the Consultant) to provide detailed engineering designs for the upgrade of the structures and deepening of berths to -14.5m Chart Datum at Berths 5 to 11 and berth 15.

The *Consultant* is required to produce all technical specifications, design and construction drawings & tender documentation for the Execution (Construction) phase.

The *Consultant* shall obtain an environmental authorization (where applicable) and relevant environmental permits and licenses.





## Consultant design scope and deliverables

### Consultant's design scope include:

- Project management and coordination
- Review of combined concept and prefeasibility study
- Site Investigations
  - Collect as-built information, and where necessary confirm the location, of all back-of-quay services and infrastructure critical to the completion of the detailed design of the berths
- Collect baseline environmental data and conduct Environmental Impact Assessment or Basic Assessment and other applicable permits and licenses where applicable
- Detailed engineering design
- Tender Documentation



## Consultant design scope and deliverables

### Consultant's deliverables include:

- Detailed design phase engineering study report (including all design drawings, diagrams and calculations).
- Detailed design study programme with fortnightly updates
- Transnet detailed design phase gate review documentation
- Construction programme, construction plan and cost estimate for the execution phase
- Traffic management plan for the execution of the works
- The Asset Construction Phase NEC3 tender documentation.



## 7. Available information

### Information available:

- Conditional assessment report for berths 5-11 and berth 15
  - Diving report
  - Terrestrial and Bathymetric survey
  - GPR Survey (berth 7-11)
- As-built drawings (pdf)
- Geotechnical study report
- Concept and Prefeasibility study report

# COMMERCIAL

# Mphoyakaomphile Ngwenya



**TRANSNET TENDER PORTAL IS CURRENTLY EXPERIENCING ISSUES  
WITH VIEWING PDF DOCUMENTS UPLOADED**

**PLEASE GO TO NATIONAL TREASURY ETENDER PUBLICATION  
PORTAL AT [www.etenders.gov.za](http://www.etenders.gov.za) TO DOWNLOAD ALL PDF'S**

➤ **CLARIFICATION REGISTERS**

➤ **ADDENDUMS**



## Commercial - Tendering procedures

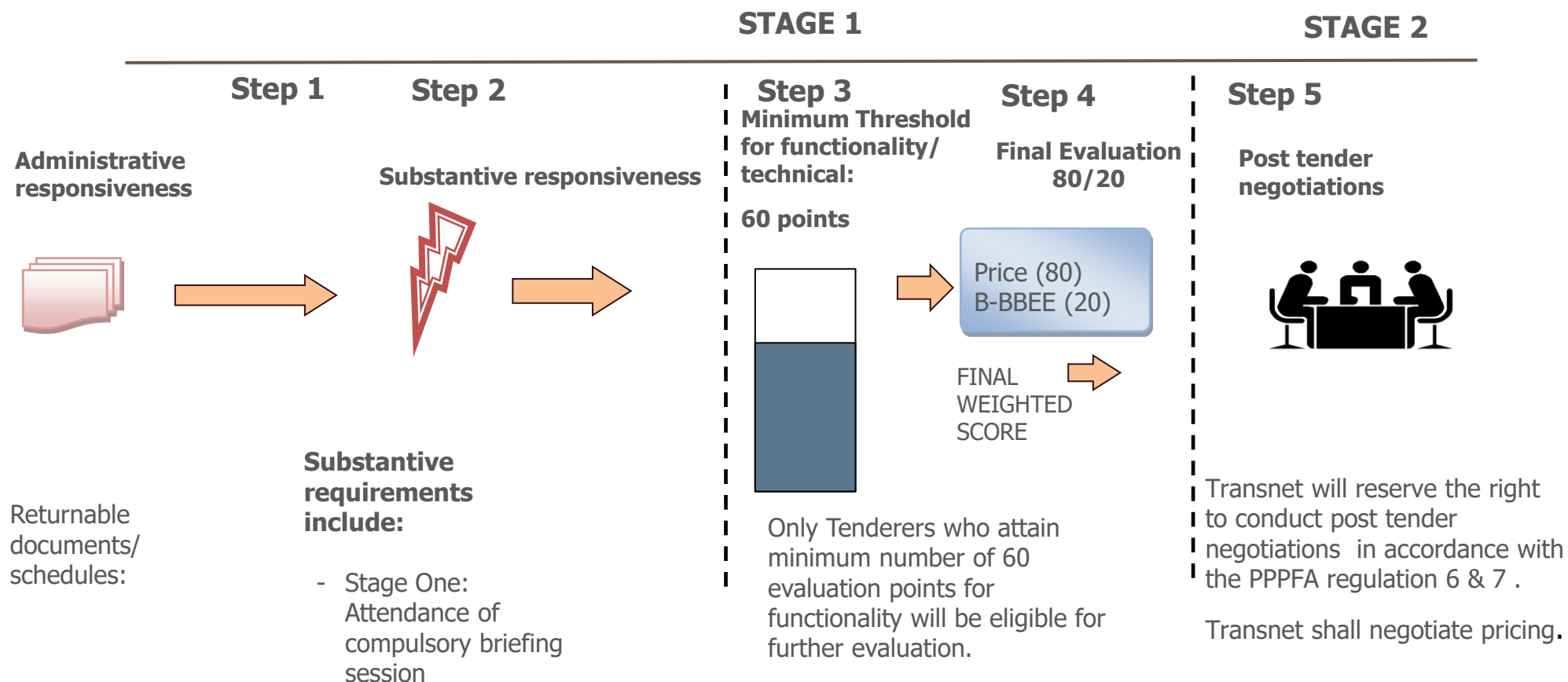
- All communications whether general, commercial or technical to go via the Procurement Department, **Mphoyakaomphile Ngwenya in writing.**

**Email – [Mphoyakaomphile.Ngwenya@transnet.net](mailto:Mphoyakaomphile.Ngwenya@transnet.net)**

- All communication will be sent via a **clarification register** and will be e-mailed to all attendees of this clarification meeting and posted on the Transnet and National Treasury Portal.
- Please complete the **attendance register** and ensure that the contact details are correctly recorded (as these contact details will be used to issue all clarifications and addendums).
- Last day for Clarification – **Five working days before the closing date (18 April 2023, 16:00pm).**
- Electronic Tenders Documents must be legible.



# Evaluation Methodology





## Commercial - Tendering procedures

### **TENDERING PROCEDURES**

Tender closing date: **25 April 2023 at 17h00** via the **new electronic tender submission system, the e-Tender Submission Portal**

**“HOW TO” GUIDE FOR BIDDERS IS INCLUDED IN THE TENDER (ALLOW TIME)**

**NO EXTENSIONS TO THIS DATE WILL BE ENTERTAINED**

**NO LATE TENDERS WILL BE CONSIDERED**





## 8. Commercial - Tendering procedures

### **Stage One - Eligibility with regards to attendance at the compulsory clarification meeting:**

Ensure your Compulsory Clarification Meeting Returnable is signed today and returned with your tender.

### **Stage Two – Functionality** (minimum qualifying score for functionality is **60 points**)

Programme: 10

Qualifications and experience of key persons 25

Health & Safety Requirements : 10

Company previous experience: 30

Approach Paper: 20

Project Organogram: 5



## 8. Commercial - Tendering procedures

The tenderer is required to submit all documents as stated in **C.2.23 of the tender data** and the tender offer will only be accepted if the tenderer complies with **C3.13 of the tender data** such as:

- ✓ A valid Tax Clearance Certificate issued by the South African Revenue Services. Tenderers also to provide Transnet with a TCS PIN to verify Tenderers compliance status.
- ✓ A valid B-BBEE Certificate from a Verification Agency accredited by the South African Accreditation System [SANAS], or an affidavit confirming annual turnover and level of black ownership in case of all EMEs and QSEs with 51% black ownership or more together with the tender;
- ✓ Proof of registration on the Central Supplier Database
- ✓ Letter of Good Standing with the Workmen's compensation fund by the tendering entity or separate Letters of Good Standing from all members of a newly constituted JV.
- ✓ A valid CIDB certificate in the correct designated grading.



## 8. Commercial – Contract data

- NEC 3 PSC
- Main Option G – Priced Contract with *Task Schedule*
- *Secondary Clauses*
  - o X1: Price adjustment for inflation
  - o X2: Changes in the law
  - o X7: Delay damages: R2,500.00 per day
  - o X9: Transfer of rights
  - o X10: *Employers Agent*
  - o X13: Performance Bond: 5% of the total of the Prices (Incl. VAT)
  - o X18: Limitation of liability
  - o Z: Additional conditions of contract

Start Date: 19 June 2023

Completion Date for the Whole of The Works – 18 September 2024

# **TECHNICAL EVALUATION SCHEDULES**





## 9. Technical evaluation - Programme

# PROGRAMME

## Cliff Phakathi



## 9. Technical evaluation - Programme

The Tenderer details the proposed programme below or refers to his proposed programme and attaches it to this schedule. The Tenderer's attention is drawn to core clause 31 of the NEC3 Engineering and Construction contract regarding the items to be shown on a programme.

The tenderer shall provide **a Level 3 programme** showing but not limited to the following:

- Ability to execute the *works* in terms of the *Employer's* requirements and within the required timeframe indicating, in a logical sequence, the order and timing of the construction that will take place in order to Provide the Works clearly indicating the capacity & capability to achieve the dates stated in the Contract Data.



## 9. Technical evaluation - Programme

- The *Contractor* indicates how he plans in achieving the following dates and clearly demonstrates them on the schedule by complying with Clause 31.2 of the NEC ECC
  - Initiates *starting date, access dates, key dates*, planned Completion, Sectional Completion Dates & Completion Date.
- In addition, the Programme must clearly demonstrate adequate provisions for Time Risk Allowance (TRA). Time Risk Allowances are not float, are owned by the Tenderer, can be included in the activity duration and illustrated in the schedule in a code field or as an attachment.



## 9. Technical evaluation - Programme

- The Programme must clearly support and demonstrate alignment to the Approach Paper as contained under T.2.2-07. In addition, annexed to the Programme, a basis of schedule document is required, stipulating, but not limited to, underlying assumptions, conditions, constraints, and approach to Providing the Works as detailed in the Programme.



# **QUALIFICATION AND EXPERIENCE OF KEY PERSONS**



## Technical evaluation – Qualification and key persons experience

### **T2.2-03 Comprehensive CV's should be attached to this schedule**

#### **The following Key Personnel will be evaluated:**

1. Senior Design Engineer
2. Project Planner/Project Scheduler
3. Environmental Manager

# **H&S MANAGEMENT**

## **Abram Motshegare**



## Technical evaluation – Health & Safety

Submit the following documents as a minimum with your tender:

1. Safety, Health & Environmental Policy signed by the Chief Executive Officer. List the five elements:
  - Commitment to Safety, prevention of pollution,
  - Continual improvement,
  - Compliance to legal requirements, appropriate to the nature of *consultant's* activities,
  - Hold management accountable for development of the safety systems,
  - Include objectives and targets
2. Proof of certification of Safety Management Systems OHSAS 18001 or ISO 45001.
3. Complete and return with tender documentation the Contractor Safety Questionnaire with supporting documentation included as an Annexure.

# **PREVIOUS EXPERIENCE**



## Technical evaluation – Previous experience

Tenderers are required to demonstrate their past experience in the delivery of similar projects, areas, conditions and circumstances in relation to the Scope of Services in the last 20 years, and to this end shall supply a sufficiently detailed reference list with contact details of existing customers and also indicate their previous experience.

- Dredging and reclamation: Dredging in marine conditions. Controlled placement of dredged material for reclamation, sandbank extension or beach nourishment. Precision dredging for foundation trenches.
- Scour Protection and Revetment: Controlled placement of scour rock protection or rock revetment in marine conditions.
- Piling: Installation of combination of tubular pile and sheet pile walls. Landside piling such as CFA, Driven Cast Insitu etc.



## Technical evaluation – Previous experience

- Cope Construction, Quay Furniture and Paving: Concrete construction of quay wall elements and installation of quay furniture. Concrete and asphalt paving including earthworks/layer works. Installation of services such as water, sewer, stormwater, etc.

### **Environmental Management**

Tenderers are required to demonstrate previous experience in providing Environmental management services in marine construction environment. The tenderer shall supply a list/table and description of mega infrastructure projects, capital value and undertakings that the Key Person identified in T2.2-03 was involved in, and a sufficiently detailed reference list, contact details of existing and previous customers, clients and/or peers who can verify their previous experience.

# **APPROACH PAPER**





## Technical evaluation – Approach paper

Approach paper which responds to the scope of work and outlines proposed approach / methodology including that relating but not limited to programme, method statement, technical approach, and an understanding of the project objective.

The approach paper should articulate what the tenderer will provide in achieving the stated objectives for the project which should include a project schedule.

The tenderer must as such explain his / her understanding of the objectives of the works and the *Employer's* stated and implied requirements, highlight the issues of importance, and explain the technical approach they would adopt to address them. The approach paper should explain the methodologies which are to be adopted and demonstrate its compatibility. The approach should also include and outline processes, procedures and associated resources, to meet the requirements.



## Technical evaluation – Approach paper

Approach Paper should cover at-least the following aspect:

- Proposed approach/methodology demonstrate an understanding of the project objectives
- The approach/methodology narrative is related to the programme.
- The approach/methodology outlines the processes, procedures
- The approach/methodology narrative includes the associated resources roles and responsibility.

The tenderer must attach his / her approach paper to this page. The approach paper should not be longer than **5 (five)** pages.



## Technical evaluation – Organogramme

### **Tenderer shall submit the following:**

An organization chart showing the proposed project team (including the key people you have identified in the prequalifying criteria, in addition to the minimum required key people stated in the Works Information)

The tenderer should propose the structure and composition of the project team i.e. the main disciplines involved, the key staff member / expert responsible for each discipline, and the proposed technical support staff.

The roles and responsibilities of each key staff member / expert should be set out as job descriptions. In the case of an association / joint venture / consortium, it should, indicate how the duties and responsibilities are to be shared.

# Conclusion

Recap - Highlight Key areas of the tender document and tendering procedures

Certificate of Attendance to be signed

All queries to be addressed to : Mphoyakaomphile Ngwenya at

[Mphoyakaomphile.Ngwenya@transnet.net](mailto:Mphoyakaomphile.Ngwenya@transnet.net)

Telephone: 011 308 4044





# THANK YOU

**Senza Kwenzeke**

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