



RISK MANAGEMENT - TECHNICAL

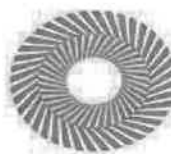
PROJECT DESCRIPTION: **OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENTAL (OHSE) AGENT SERVICES FOR THE REINSTATEMENT OF 3KV OVERHEAD TRACK EQUIPMENT IN THE DUNSWART-SPRINGS CORRIDOR IN THE GAUTENG REGION**

END USER: **PRASA TECHNICAL RISK**

1. OBJECTIVE OF THE PROPOSED PROJECT

To ensure PRASA deliver a safe project by achieving the following:

- On time Construction Permit application as per Construction Regulations 2014.
- Formulation of SHE specifications and monitoring thereof.
- Daily compliance with the Health, Safety Specification and Environmental Plan by means of expert advice.
- Regular Audits and advise on corrective actions to be taken.
- Reporting and incident investigation of all Health, Safety incidents and Environmental impacts to various Departments and Institutions.
- Monitoring of OHSE until completion stage.
- Update and submittal to the RSR



2. SCOPE OF WORK AND AREAS OF FOCUS

The OHSE Agent Services are required to oversee all SHE-related activities until rehabilitation for the **Reinstatement of the 3kV Overhead Track Equipment in the Dunswart-Springs Corridor in the Gauteng Region.**

The breakdown of the Scope per phase for this Project is as follows:

Scope Phase	Scope Description	
	Safety/Health	Environment
Pre-Construction	Draw Baseline Risk Assessment and Review Safety Health and Environmental Plans	
	Ensure risk control strategies and safe work procedures are developed.	
	Prepare Occupational Health Safety Specifications.	
	Application for Construction Permit to the Department of Labour. Review Safety Files as per Safety File Guidelines and develop Safety Specifications for Construction Tenders. Ensure Section 37.2 of Construction Regulations is adhered to. Submittal to the RSR.	Generate Environmental Management Plan (EMP) for duration of the Project.
Construction	<ul style="list-style-type: none"> • Induction and Training on SHE issues with regards to the construction site. 	
	<ul style="list-style-type: none"> • SHE Monthly Inspections & Monitoring • Ensure occurrence management and Contingency Plans are integrated with Contractor's SHE Plan. • Maintain Risk Register for the Project. • Generate EMP for duration of the Project; and • Ensure compliance to EMP (Environmental Management Plan). • Conduct, Monitor and Review Risk Assessments. • Approve Method Statements. • Conduct incident investigations as and when incidents occur. 	



Scope Phase	Scope Description	
	Safety/Health	Environment
	<ul style="list-style-type: none"> • Generate Safety Health and Environmental (SHE) statistics and submit Monthly SHE Report; and • Ensure construction is in accordance with the Health and Safety Specifications. • Submittal to the RSR – for Construction Phase. 	
	<ul style="list-style-type: none"> • Conduct Audits as per Construction Regulations. • Ensure legal compliance to NEMA, Construction Regulations 2014 and Occupational Health and Safety Act, No. 85 of 1993 as amended. 	
Rehabilitation	<ul style="list-style-type: none"> • Ensure rehabilitation of construction site is done. 	
	<ul style="list-style-type: none"> • Close-Out Report. • Consolidated Project Risk Register. 	

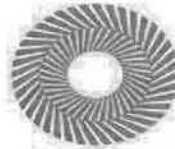
a. Details On the Preferred Solution

Occupational Health, Safety and Environmental (OHSE) Services.

- i. A full time Pr Construction Health and Safety Officer;
- ii. Pr Construction Health and Safety Agent services.
- iii. Draft site-specific Safety Health and Environmental Specifications.
- iv. Application of Construction Work Permit application on behalf of PRASA.
- v. Draft and Review Risk Registers as an when required.
- vi. Ensure that the Agreement in terms of Section 37.2 of the OHS Act is done.
- vii. Assess the Contractors Health and Safety Plan, which would be prepared based on the Health and Safety Specifications. Ensure that the said Health and Safety Plan complies with the Specifications and addresses all the identified and likely hazards that could be encountered while performing the work and has included safe work procedures (Method Statements) to mitigate, reduce or control the hazards identified.
- viii. Should the Plan not comply fully, the Agent will be required to direct the Contractor to make the necessary changes so that the approved Health and Safety Plan is compliant to the Specifications and other legislative requirements.
- ix. Ensure that the Health and Safety Plan and all the other required record documents (e.g. Appointments, Inspection, Compliance Certificates, “as built” documents, etc.) are kept in the Contractor’s SHE File on site.
- x. Conduct inductions as an when required.



- xi. Submittal to RSR for construction and post construction
- xii. Occupations and Permit management, including adherence of High Voltage and Lock-out Procedures.
- xiii. OHSE Agent together with the PRASA Team will scrutinize the construction process flow or program to ensure that interface is identified and that procedures are in place that will provide safe railway operations in accordance with SANS 3000.
- xiv. Approve SHE Methodology to ensure care is taken not to interfere or damage any services within the immediate environment.
- xv. Audit the Contractors work on a monthly basis to ensure compliance to the agreed (Occupational Health, Safety and Environmental (SHE) Plan, and that any Sub-contractors also comply with the agreed Plan. Furthermore, stop the Principal Contractor and or its Sub-contractor(s) should they not comply with the agreed safe working procedure.
- xvi. Attend Monthly Project Meetings and produce a Report prior to each meeting.
- xvii. Ensure all Sub-contractor's SHE Files are approved as per PRASA SHE File Guidelines.
- xviii. Ensure that the Principal Contractor has corrected the defects reported in the Client's Monthly Inspection Audit.
- xix. Ensure that, should any changes be brought about to the design or construction, sufficient SHE information is available to the Principal Contractor to execute work. (Method Statements) to be approved.
- xx. Ensure that the Contractors comply with the Construction Regulations of 2014, Occupational Health and Safety Act 85 of 1993, NEMA 107 of 1998 and its Regulations and Heritage Act 25 of 1999.
- xxi. Take reasonable steps to ensure co-operation between all contractors appointed by the Principal Contractor to enable each of the Contractors comply with SHE Specifications, Environmental Management Plan (EMP), Construction Regulation, NEMA and all its Regulations.
- xxii. Where PRASA requires additional work to be performed as a result of a design change or an error in construction due to the actions of the client, the OHSE Agent must ensure that sufficient safety information is available to execute the required work safely (task risk assessment).
- xxiii. Where a fatality or permanent disabling injury occurs on a construction site, the OHSE Agent must ensure compliance to Section 24 of the OHS Act, in accordance with Regulations 8 and 9 of the General Administrative Regulations, 2013. Furthermore, OHSE Agent must compile an incident report that includes the measures that the



Contractor must implement to ensure a safe construction site as far as is reasonably practicable.

- xxiv. The Agent shall be familiar with the restrictions to access, and other matters as stated but not restricted to the SPK 7/1 (Specification for Works on, Over, Under or Adjacent to Railway Lines and near High Voltage Equipment) and compliance with the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and Applicable Regulations.
- xxv. The Agent shall ensure that the Principal Contractor complies with all contract and legislation issues, especially the OHS Act 85 of 1993, Construction Regulation 2014 and NEMA 107 of 1998 and its Regulations.
- xxvi. The Agent shall coordinate all SHE interactions between the Contractors and the Operating Departments of Metrorail for the entire duration of the work, occupations and be responsible for ensuring safe execution of construction work, by co approving the Method Statements.
- xxvii. Track expiry of Site Access Certificate and ensure application for Site Access Certificate renewal is done in advance.
- xxviii. Evaluate the Principal Contractor's consolidated SHE File before handover to PRASA.
- xxix. Ensure the entire construction site – i.e. campsite, laydown areas, adjacent areas, etc. are cleared and rehabilitated.
- xxx. Submit Close-Out Report at the end of the Project.

b. Other related projects in the vicinity

Walling/Fencing Project

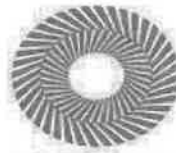
3. TECHNICAL SPECIFICATIONS RELATED TO THIS PROJECT

3.1 TECHNICAL STAFF REQUIREMENTS

The appointed OHSE Company/organization will be required to provide qualified and experienced professional staff with the following key professional expertise:

- a. A Construction Health and Safety Officers (PrCHSO) and
- b. A Construction Health and Safety Agent (PrCHSA)

Details of the minimum qualifications for the professional staff listed above are outlined below.



3.1.1 CONSTRUCTION HEALTH AND SAFETY AGENT

The desired minimum qualifications for the Agent are as outlined below:

- a) Be in possession of National Diploma/B Tech in Safety Management and or NEBOSH General Safety Certificate
- b) 4Years or more post-graduation related experience as a Safety Agent
- c) Must be professionally registered as a Construction H&S Agent with the SACPCMP (South African Council for the Project and Construction Management Professions).

3.1.2 CONSTRUCTION HEALTH AND SAFETY OFFICER (PrCHSO)

- a) Be in possession of National Diploma or Degree in Health & Safety Management or NEBOSH International General Construction Health & Safety Certificate
- b) 3Years or more post-graduation related experience as a Health & Safety Officer
- c) Must be professionally registered as a Construction H&S Officer with the SACPCMP (South African Council for the Project and Construction Management Professions).

4. TIME FRAMES / PROGRAMS

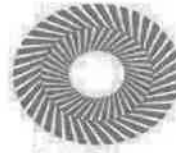
- a) OHSE Agent will be appointed for 04months.
- b) The Purchase Agreement will be for a period of 06months and will not exceed the contract value.
- c) The agreement will terminate, either when the 06months or the contract value is reached, whichever comes first.
- d) Prices will be fixed for the duration of the contract period.

5. Bill of Quantities (Annexure A)

These prices should be inclusive of all overheads no further disbursements/subsistence will be entertained.

6. REQUIREMENTS

- a. Supply us with your company's CV (inclusive of all key personnel) as per item 3.1 above.
- b. Supply us with certified qualification and registration of all personnel.
- c. Supply us with referral letters of your completed works as per below table accompanied by issued Purchase Order.



7. EVALUATION MATRIX : Technical Requirements
 Bidders to score points from each criteria to qualify.

Item	Criteria	Weight
1.	Organisational experience	50
2.	Qualification and prof. registration	30
3.	Risk Assessment	20
Total		100
Score		60
		100

Criteria	Weight	Scores
<p>Organisational experience (OHSE Agent services on construction works)</p> <p>NB: Please provide evidence that your organisation has successfully completed OHSE Projects through any of the following: -</p> <p>(a) Award letter or Contract with referral letter by the same client for each project.</p> <p>(b) Purchase Order with referral letters by the same client for each project.</p>	50	<p>Score will be based on successfully executed and completed OHSE Agent services on construction works over the last 10 years.</p> <p>OHSE Agent Services Award letters/Contract/Purchase order with reference letters must be attached.</p> <p>0: No information provided = 0 points</p> <p>1: 1 Project as OHSE Agent services on Construction Projects = 10 points</p> <p>2: 2 Projects as OHSE Agent services on Construction Projects = 20 points</p> <p>3: 3 OHSE Agents services on Construction Projects = 30 points</p> <p>4: 4 OHSE Agent services on Construction Projects = 40 points</p> <p>5: 5 OHSE Agents services on Construction Projects = 50 points</p>
<p>Qualification and registration (based on submitted CV's):</p>	30	<p>Provide curriculum vitae (cvs) attaching certified copies of qualifications for the CHSO and CHSA who will be working on this project.</p> <p>- National Diploma or Degree in Health & Safety Management or NEBOSH International General Construction Health & Safety Certificate = 15 points</p>



NB: Please ensure you supply separate Teams when Tendering for more than one Project.

Suppliers must state the particulars of the works successfully carried out

CLIENT	TEL. NUMBER	NATURE OF WORKS	VALUE OF OHSE WORKS FOR WHICH SUPPLIER WAS DIRECTLY RESPONSIBLE	CONTRACT/ PROJECT PERIOD

Table 6.1



Criteria	Weight	Scores
a) PrCHSA - SACPCMP b) PrCHSO - SACPCMP	Bidders to score full points on this requirement	Provide certified copies of valid registration for the CHSA and CHSO who will be working on this project. - Valid SACPCMP registration as CHSA and CHSO = 15 points
Risk assessment specific to the railway environment workings addressing the following: - 0. Access to site 1. Waste Management 2. Demolition 3. Occurrence Management 4. Working at Heights	20	Score will be allocated on the submitted Risk Assessment specific to project covering the listed (five) 5 project risks with mitigations. 0. No submission = 0 points 1. Only 1 of the 5 items addressed with mitigations = 4 points 2. 2 of 5 items addressed with mitigations = 8 points 3. 3 of 5 items addressed with mitigations = 12 points 4. 4 of 5 items addressed with mitigations = 16 points 5. All 5 items addressed with mitigations = 20 points

