	Strategy	Engineering
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Strategy: The Provision of Civil
Maintenance Services at Hendrina
Power Station

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1. INTRODUCTION

This document has been developed to set a precedent of the requirements of a technical evaluation criterion to be used when evaluating tender submissions for technical works and projects to be executed at Hendrina Power Station. The evaluation of tender will be based on tenders' ability to meet the requirements specified on this document.

A weighted score card approach will be used to evaluate the tenders against the Employer's requirements.

The Civil Maintenance contract caters for infrastructure maintenance in Hendrina Power Station, Pullenshope quarters, Hendrina houses in Middelburg, Hendrina town houses and Groblersdal houses. The purpose of this contract is to allow for day-to-day maintenance of ablution facilities, blocked drains, leaking water pipes, carpentry work, painting works, etc. by ensuring the continuous and consistent supply of services (water & sanitation) to Pullenshope and the various departments at Hendrina Power station. Eskom permanent Artisans for painting, carpentry and plumbing have retired, thus the requirement for introducing this contract to cater for the shortage in manpower.

2. SUPPORTING CLAUSES

2.1 SCOPE

To provide a site core crew and logistics to manage and perform daily routine maintenance, breakdown, and emergency maintenance repairs. Provide tools required by the site core crew to carry out the works to the satisfaction of the Employer. Execute SAP Planned Maintenance functions as authorised. Perform Quality Control and Risk Assessments on all activities carried out. Perform Maintenance activities to the SHEQ requirements including Plant Safety Regulations (PSR). Maintain a Safe and hygienic working environment and culture.

Bricklaying

- Erecting of walls
- Demolition of walls
- Install, repair & remove fences!
- Cast concrete!
- Erect signage poles
- Dig and cover-up trenches.
- Operate HP machine.
- Loads and unloads materials.
- Performs other related duties as required.
- Cleans, maintains, adjusts, calibrates and services equipment used in the performance of duties.

Plumbing

- Unblocking the drains pipes, toilets, and blocked pipes
- Work stand-by
- Install sewage lines.
- Install portable water lines.
- Repair leaking pipes.
- Change damaged and old pipes.
- Installation of new toilets and cisterns
- Installation of fittings (taps, shower heads, toilet paper holders, soap dispensers)
- Operate HP machine.
- Loads and unloads materials.

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Performs other related duties as required.

Cleans, maintains, adjusts, calibrates and services equipment used in the performance of duties.

Carpenter

Construct, remodel, retrofit and repair interior and exterior structures made of wood & drywall.

Install and repair furniture.

Repair and maintain building roofs.

Remove, repair & install doors.

Build required items including specialty furniture.

Construct formwork into which concrete is poured.

Build floors, wall frameworks (timber) and roofs, and lay timber floors.

Construct and erect prefabricated units

Install door handles, locks, hardware, flooring underlay, insulating material and other fixtures!

Read blueprints and diagrams!

Operate HP machine.

Loads and unloads materials.

Performs other related duties as required.

Clean, maintain, adjust, calibrates and services equipment used in the performance of duties.

Glazier

Measure, cut and install all types of glass, including wire glass, tempered glass, and flexi-glass, according to measurements.

Removes and replaces broken glass in wood or metal framed openings.

Repairs and replaces window hardware and door closures.

Loads and unloads materials.

Clean, maintain, adjust, calibrates and services equipment used in the performance of duties.

Painters

Prepare, prime, sand, seal, patch and paint furniture, surfaces, buildings, and fixtures utilizing all types of painting materials such as varnish, lacquer, shellac, enamel, latex, epoxy, waterproofing and heat resistant finishes.

Tapes, flushes, repairs, and applies texturing, wallpaper, and acoustic layers on a variety of surfaces.

Adjusts colours when necessary; utilizes enhanced finishing skills when appropriate.

Operate, clean, and maintain all painting equipment, including brush, roll, sprayers and electrostatic sprayers, pumps, etc. Safely stores and labels all materials.

Estimates time and materials required; keeps computerized records and submits reports of work performed.

Offers assistance and advice on materials, designs, and colour.

Operate HP machine.

Loads and unloads materials.

Clean, maintain, adjust, calibrates and services equipment used in the performance of duties.

Heavy Duty Vehicle Operator

Operate/drive vacuum truck.

Operate/drive excavator.

Operate/drive 25ton crane.

Operate 10ton overhead crane.

Operate HP machine.

Semi-Skilled Labourers

Aid the above-mentioned works as per the contractor supervisor's instruction.

Other works to be carried out include the following:

Cladding & roof sheeting's

Replacement of Gutters & Down pipes

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Clearing of debris on gutters and hail guards in the plant
Fix potholes on the roads
Install Culverts
Road markings and road signs
Off load of civil material when delivered
Removing and assemble Tables and office furniture
Maintain Surface Drains works as per Civil Engineering scope of work

Conduct housekeeping.

2.1.1 Purpose

The purpose of the evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria to be applied when evaluating the tenders to specify the technical evaluation team responsibilities for the tender's technical evaluation

The technical evaluation strategy serves as basis for the tender technical evaluation process

2.1.2 Applicability

This document is applicable to the Civil Maintenance Contract Technical Evaluation at Hendrina Power Station

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs

2.2.1 Normative

2.2.2 240-168966153 : Tender Technical Evaluation Procedure

2.2.3 Informative

[1] NEC document

2.3 DEFINITIONS

2.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary)

2.4 ABBREVIATIONS

Abbreviation	Description
HP	High Pressure
N/A	Not Applicable
NEC	New Engineering Contract
NHBRC	Nation Home Builders Registration Council
PDP	Professional Driving Permit

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Abbreviation	Description
PSR	Plant Safety Regulations
QCP	Quality Control Plan
QIP	Quality Inspection Plan
SAP	Systems Applications & Products
SHEQ	Safety Health Environment & Quality

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) of 70% is required for the tenderer to be considered for next level of evaluation. The 70% is to ensure competency and sound technical understanding of the works to be executed so as to mitigate the risk of reworks which would result in wasteful expenditure with regards to material purchased to execute works. The evaluation criteria has been broken down into sections and a percentage weighting for each section is allocated. The tenderer must ensure that his/her submissions contain all the relevant data/proof to substantiate the *Employer's* weighted criteria as populated in table 3

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Lily Baloyi	Senior Technician Civil Engineering (Responsible Person)
TET 2	Hunadi Mahlanyane	Snr Technical Supervisor Civil Maintenance
TET 3	Melusi Lukhele	Senior Technician Civil Maintenance

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1	Technical ability- Site Supervisor	Site Supervisor Requirements: Submit CV, certified copies of qualifications Minimum qualification N6 National Diploma in Civil Engineering Minimum 5 years post qualification experience in Civil Engineering field	To assess and or determine technical understanding and ability to perform works
2	NHBRC Accreditation	Submit valid certified copy of NHBRC certificate	NHBRC is a requirement for any works that include civil infrastructure maintenance To ensure knowledge of practice's governing body and adherence to regulations and principles
3	CIDB 7 CE or 7 GB registration status	Submit valid certified copy of CIDB 7CE or 7 GB certificate	The construction Industry Development Board (CIDB) is a Schedule 3a public entity established to lead construction industry stakeholders in construction development

NOTE: ALL CERTIFIED DOCUMENTS NOT TO BE MORE THAN 6 MONTHS

QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Weighting (%)
1.	Technical ability		Submit detailed CV, Certified ID Copy, and relevant competency certificates. All certified documents not to be more than 6 months	50%	
	1.1	Site Safety Officer	Safety Officer: Minimum qualification SAMTRAC certificate in Safety Management or Higher AND Minimum 3 years post qualification experience Qualification with 3 years' experience = 10 Qualification with experience less than 3 years = 5 No Qualification with experience = 0 Qualification with no experience = 0		10%
	1.2	Skilled Workers	Skilled workers i.e. (Plumbers) Plumbing Trade Certificate AND a minimum of two (3) years post qualification experience Qualification with 3 years' experience = 10 Qualification with experience less than 3 years = 5 No Qualification with experience = 0 Qualification with no experience = 0		10%
			Skilled Workers, i.e., Carpenters, Carpentry Trade Certificate, AND a minimum of two (2) years post qualification experience Qualification with 3 years' experience = 5 Qualification with experience less than 3 years = 2.5 No Qualification with experience = 0 Qualification with no experience = 0		5%
			Skilled Workers, i.e., Brick Layer, Brick Layer Trade Certificate AND a minimum of two (3) years post qualification experience Qualification with 3 years' experience = 10 Qualification with experience less than 3 years = 5		10%

			No Qualification with experience= 0 Qualification with no experience = 0		
			Painters to provide proof of competency AND a minimum of three (3) years' experience Proof of competency with 3 years' experience = 5 Proof of competency with experience less than 3 years = 2.5 No Proof of competency with experience= 0 Proof of competency with no experience = 0		5%
			Glaziers to provide proof of competency AND a minimum of three (3) years' experience Proof of competency with 3 years' experience = 5 Proof of competency with experience less than 3 years = 2.5 No Proof of competency with experience= 0 Proof of competency with no experience = 0		5%
			Operator/s must have Code 14 plus PDP and minimum 3 years' experience Code 14 plus PDP and minimum 3 years' experience = 5 Code 14 plus PDP with experience less than 3 years = 2.5 Code 14 with no PDP plus 3 years' experience = 0		5%
2.	SHEQ requirements		QCP / QIP document & Comprehensive Method Statement.	25%	
	2.1	QIP / QCP Document	A Quality Control Document Template for executing any Civil works relevant to the contract scope of work =5 No Quality Control Document Template submitted =0		5%
	2.2	Method Statement	Contractor to submit a COMPREHENSIVE METHOD STATEMENTS for executing aforementioned scope of work/task Provide TWO TRADE SPECIFIC TASKS METHOD STATEMENTS for the following Bricklaying and Plumbing works		20%

			Two Tasks Specific method statement with defined sequence = 20 Generic method statement = 0 One Submitted Method Statement= 10		
3.		Company Completed contracts of similar nature	Completed contracts of similar nature	25%	
	3 1	Completed contracts of similar nature	<p>Submit either</p> <ul style="list-style-type: none"> - Completion certificate indicating the Period and Scope of Work, - Copy of the Purchase order or contract - Reference letter in the Tenderer's client letter head <p>Note: minimum works period of not less than 12Months continuously</p> <p>Minimum of Two (2) completed contracts of similar nature and verifiable references</p> <p>Two (2) completed contracts submitted = 25</p> <p>One (1) completed contracts submitted= 15</p> <p>No completed contract submitted = 0</p>		25%
Minimum Qualifying Weighted Average Score				70%	
				TOTAL: 100%	

3.4 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
3	X	X	X
4	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3
1.1	X	X	X
1.2	X	X	X
1.3	X	X	X
1.4	X	X	X
1.4	X	X	X
2.1	X	X	X
3.1	X	X	X
3.2	X	X	X
4.1	X	X	X

3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1	Supervisor & skilled workers having not had the minimum number of years' experience with a relevant qualification
2	Contractor having not 2 or more completed contracts of similar nature
3	A generic method statement

Table 6: Unacceptable Technical Risks

Risk	Description
1	An unqualified Supervisor or Skilled worker with no relevant work experience
2	Contractor not having relevant work experience with similar works
3	No method statement

3.5.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions


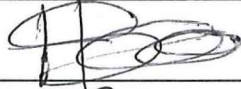

Risk	Description
1	N/A

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1	N/A

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Lilly Baloyi	Auxiliary Engineer	
Hunadi Mahlanyane	Snr Technical Supervisor	
Ogorogile Ngwenya	Auxiliary Engineering Manager	

5. REVISIONS

Date	Rev.	Compiler	Remarks
May 2023	0	Lilly Baloyi	Document created

6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

- Lilly Baloyi
- Ogorogile Ngwenya

7. ACKNOWLEDGEMENTS

- Hunadi Mahlanyane

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