

DRAKENSBERG POWER STATION

WORKS INFORMATION

FOR

**REFURBISH, EQUIPMENT: REFURBISH 1X WERNER BOHMER 2PIECE FULL BORE BALL
VALVE x3**

Date of Report:

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**Compiled by:
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**Accepted by:
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PP



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Works Information

1 DESCRIPTION OF THE WORKS

The *Works* make provision for:

REFURBISH, EQUIPMENT: REFURBISH 1X WERNER BOHMER 2PIECE FULL BORE BALL VALVE MANUAL CONTROL GEAR TYPE HKT90, FACE TO FACE WIDTH IS 350MM, PCD 200MM, ND 64, NW 100. In addition to refurbishment, valve must be pressure tested.

1.1 Background

Drakensberg Power Station requires the spider valve as part of the Governor System assembly for the controlling of the guide vanes and auxiliary components.

1.2 Employers objective

The *Employer's* objective is to have the spare parts available for unforeseen circumstances as there are spares available. This will decrease the plants down time and increase plant availability.

2 DRAWINGS

N/A

3 SPECIFICATIONS

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4 CONSTRAINTS ON HOW THE *CONTRACTOR* PROVIDES THE WORKS

4.1 Scope

The scope of work includes the following:

As detailed above.

4.2 Design Criteria

The *Contractor* does not design any of the work.

4.3 Functional Requirements

The Supplier must provide as detailed in the works and deliver to site.

4.4 Dispatch, Delivery & offloading

4.4.1 Packaging

The *Contractor* ensures that all material and equipment is adequately transported and delivered to the Works.

4.4.2 Storage

Store materials in a dry area, protected from freezing, staining and damage.

4.5 Clean working Conditions

The *Contractor* stores equipment and materials for which he is responsible in an orderly manner.

4.6 Quality Management

The quality requirements are as per Eskom standard ESKASAAU7: QUALITY REQUIREMENTS FOR THE PROCUREMENT OF ASSET GOODS AND SERVICES. The *Contractor* utilizes the Employer's forms for requesting access, etc. These request forms are submitted to the supervisor at least one week prior to the requested date.

The onus to produce work that conforms in quality and accuracy of detail to the requirements of the specifications and drawings rests with the *Contractor*, and the *Contractor* shall institute a quality control system and provide suitably qualified staff to ensure adequate supervision and positive control of the works at all times.

The programming of inspections, hold and witness points of the repairs is to be agreed between the Employer and the *Contractor* prior to undertaking any work.

The *Contractor's* attention is drawn to the provisions of the various Standardized Specifications regarding the minimum frequency of testing required. The *Contractor* shall, at his own discretion, increase this frequency where necessary to ensure adequate control.

On completion and submission of every part of the work to the Employer for inspection, the contractor shall furnish to the Employer the results of the relevant tests, measurements and levels to demonstrate the achievement of compliance with the specifications.

4.7 Safety Management

The *Contractor* takes every precaution to ensure safety and to protect the *Works* and temporary works.

4.8 Environmental Management

The Contractor's attention is drawn to the fact that the Power Station is situated in a highly sensitive area with respect to the environment.

The *Contractor* acquaints himself with all statutory and local environment regulations and adheres to these without exception.

The *Contractor* complies with the Hazardous Chemical Regulations when using any hazardous chemicals, as well as complying with the requirements of the National Environmental Management Act of 1988.

4.9 Installation

To be installed by both the contractor & site where necessary.

4.10 Other Construction Activities

The *Contractor* notes that there may be other work taking place during the period when he is providing the Works and liaises with the other *Contractors* in this regard.

4.11 Site Testing & Commissioning

The *Contractor* tests the Works in accordance with the accepted testing procedure.

The *Employer* commissions the Works in accordance with the accepted commissioning procedure assisted by the Contractor.

4.12 Title to site materials

The *Contractor* has no title to plant and/or materials resulting from him carrying out the Works.

4.13 Site Clearance

The *Contractor* removes all his equipment, plant and waste generated during the Works on take over of the Works.

4.14 Documentation

4.14.1 Signed test Certificates

4.15 Completion

Completion is when:

- The supplier has delivered as per accordance to the *Works* info.

4.16 Accounts and Records

The *Employer's* Representative assesses payments with the *Contractor* on completion of the Works and prior to submission of the invoices for payment.

Invoices are submitted to:

Accounts Payable

Eskom Peaking Generation

P O Box 3487

Tyger Valley

7536

Failure to submit the invoice to the correct address could result in delays in payment.

The *Contractor* includes the following on the *Contractor's* Tax Invoice:

- Name and address of *Contractor's*
- *Contractor's* VAT registration number if applicable
- *Contractor's* company registration number if applicable
- Name and address of recipient
- Tax invoice number and date of issue,
- Description of goods/service provided,
- Quantity or volume of goods/services
- Period time for which the Tax Invoice is being rendered,
- Contract Number
- Statement whether value added tax is included or excluded.
- *Employer's* VAT registration no. 4740 101 508
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5 REQUIREMENTS FOR THE PROGRAM

The Contractor submits a bar chart program detailing how the Works will be executed within the stipulated dates.

The Contractor submits the program with his tender and finalized a contract award.

The program indicates the start date, completion date and duration of each activity.

The program is updated and submitted daily to the *Employer* for acceptance.

6 SERVICES AND OTHER THINGS PROVIDED BY THE *EMPLOYER*

6.1 Electrical Supply

- N/A

6.2 Potable Water Supply

- N/A

6.3 Spoil Area

- N/A

All other services and things needed to provide the works, is supplied by the *Contractor*.

7 SITE INFORMATION

7.1 Directions to site

The Drakensberg Pumped Storage Scheme is reached from Harrismith via the R49 to Kestel. Take the R74 turn off to Bergville some 2.8 km along the R49. Turn left after 8.7 km and travel 23.5 km to the Kwazulu-Natal/Free State boundary at the top of the Oliviershoek pass. From there, travel 13.1km down the pass and turn left. Follow the sign posted directions to the power station for approximately 9.5 km. The total distance from Harrismith is approximately 60 km. The power station can also be reached travelling from Ladysmith and Durban.