

# **1. The Contractor's Scope**

## **1.1 General Requirements**

Grit blasting of turbine valve plant components.

## **1.2 Detailed Scope of Work**

### **1.2.1 General:**

#### **Work and items to be supplied by the Contractor.**

- All temporary buildings, cabins and containers including change rooms and all related items including, but not limited to, firefighting equipment.
- All hand tools and equipment (Blast pot, nozzels, hose and other abrasive media handling equipment)
- Breathing air control, monitoring and regulating equipment (including filters and consumables).
- Abrasive blast media.
- All lifting equipment and slings, and any other items in order to fulfil the scope of work
- Electric panels and distribution wiring for site establishment or erection of the Contractor's yard and the operation of his equipment on site.
- Compressed air supply equipment.
- Communication equipment such as portable two-way radios compatible with Kendal Radio (Channel 7).
- A two-way radio supplied to the Project Manager or his delegate in order to provide communication between the Employer and the Contractor during execution.
- Security of Contractor's yard and equipment
- Sufficient temporary lighting to ensure safe working conditions.
- A list of all the people and contact numbers to be submitted to the outage representative
- Written confirmation that a refreshment training has taken place for all personnel, this is to be included into the safety file.

#### **Documentation applicable**

- Safety files, Quality plans and QCP documents to be submitted by the Contractor and approved before work commences as per client requirements, six weeks in advance.
- Planned scope of work to be issued to Contractor from the Client well in advance.
- All QCPs to be signed off before payment will take place.

- QCPs are a live document and an audit may be required at any time and will be made available as and when required
- QM58 section 2.5.8 – Contractor: Outlines obligations which are applicable to all contractors/suppliers rendering services at Eskom, these obligations shall be adhered to by the contractor/supplier at all times.

### **Planned Execution Work Scheduling**

- A logical network/bar chart, which includes all activities specified in the Scope of Work, must be supplied on either Microsoft Projects or Primavera.
- Provisional programme must be submitted in advance. Revised programme must then be submitted for acceptance before the start of execution work.
- The duration, predecessors and successors for each activity, as well as any known interface activities with each contractor, must be indicated.
- Due to the fast track nature on the project, updating of the plan for the whole of the work will be done daily.
- More regular updating may be required on critical path activities by the client.

## **1.3 High Level Scope of Work**

### **1.3.1 Works Scope**

The scope of work covered by this contract is the provision of grit blasting services for surface preparation of turbine plant components. The surface preparation is required for the following operations:

- Painting
- Re-coating for corrosion resistance
- Non-destructive testing of components
- Cleaning of components

The required finishes are as specified in ISO-8501-1, i.e.

- SA1: Light blast – cleaning
- SA2 Thorough blast – cleaning
- SA2.5 Very thorough blast – cleaning
- SA3 Blast cleaning to visually clean steel

### 1.3.2 Inspection Areas

- Turbine Valves
- Main oil tank welds
- Dirty oil tank

### 1.4 NDT Inspection Scope of Work

a) Turbine Valves chest



Description	SIZE [MM]	Quantity	Unit	Price	Total
HP ESV and CV turbine valve chests		8			

b) Main Oil Tank

Component	Area	Quantity	Size
Main Oil Tank weld to pedestal	Weld	50	

c) Dirty Oil Tank

Component	Area	Quantity	Size
Dirty Oil Tank	Tank	1	