

# **BHARAT HEAVY ELECTRICALS LIMITED**

**UNIT: JHANSI**

**(WORK. ENGG. & SERVICES DEPTT.)**

**EQUIPMENT : AUTOMATIC SLIDING DOORS**  
**ITEM NO : LE-3/4/6258/1 & 2**  
**LOCATION : LOCO AREA**  
**QUANTITY : 2 SETS**  
**SPECIFICATION : 10572/R-1**

## **SPECIFICATION:**

Supply and fixing of automatic sliding doors for shot blast plant at LOCO area.

## **FABRICATION:**

The main gate for the entrance of size 6000 x 6200 mm height at plant shall be made in two segments of 3000 x 6200 mm each. Each segment shall be slide side wise on a set of rollers provided at top of the doors. At the bottom side of the door a guide shall be provided for the smooth movement of the doors. The movement of the doors at top will be done in a specially designed beam capable of bearing the load of the doors. This beam will be mounted on two fabricated pillars provide with the system. The main gate shall be fabricated form M.S Sq pipe and M.S sheets specially bend in 'U' shape to give extra strength to the gate and withstand wind pressure. A service door of size 750 mm x 2000 mm shall be provided in one segment of the door per set.

## **GATE MOVEMENT:**

The sliding movement of the gate shall be effected by suitable capacity of motor coupled to the gearbox. Wire winding mechanism shall be mounted on top gate-sliding beam.

## **CONTROL PANEL:**

The control panels for the system shall be consist of PLC, contactors for motor, overloads relay, protection fuses, limit switches and other standard panel accessories. When OPEN push button is pressed on the panels the door shall be slide open and stop by limit switch at the end. When CLOSE button is pressed the door shall be closed.

## **GENERAL:**

1. Technical literature shall be submitted along with the offer.
2. Detail of motor shall be given with the offer.
3. Four set of operation and maintenance manual shall be provided with the supply consisting of following.
  - Operation and maintenance instruction and Do's / Don'ts
  - Electronic and electrical circuit diagram.
4. The party at BHEL, Jhansi shall do Erection and Commissioning.

**Contd...2...**



**Details to be submitted with the offer:**

1. Dimensioned outline general arrangement drawing
2. Details of safety devices / guards provided.
3. Electrical schematic diagram.
4. Total electrical load.
5. Quotation with item wise prices of spares for 2 years normal working.
6. Details of standard & optional accessories offered.

**QUALIFYING CONDITIONS**

Only those vender, who have supplied and commissioned 10 Nos. such machines in the past ten years and such machine is presently working satisfactorily for more than one year (more than six month if supplied to BHEL) after commissioning should quote. The following information is to be submitted by the vender about the companies where similar machines have been supplied. This is required from all venders for qualifications of their offers.

1. Name of the customer/ company where similar machine/ crane is installed
2. Complete postal address of the customer
3. Year of commissioning
4. Name and designation of the contact person of the customer
5. Phone , Fax No. and e-mail address of the contact person of the customer
6. Performance certificate from the customer regarding satisfactory performance of the machine/ crane supplied to them

Date	Prepared By	Checked By	Approved By	
	Dy. Mgr (WEX)	Mgr.(WEX)	DGM.(WEX)	AGM(WEX)
06/9/07				