



TECHNICAL SPECIFICATION OF BOILER FURNACE MAINTANANCE MOVING PLATFORM

Two 12 mtr length boiler furnace maintenance plat forms (3+3+2+2+2 M)

The platforms will be equipped with crawl through suspension stirrups. The platforms should be designed to move up & down with stationary steel wire ropes of 120m length which are suspended from roof structure and introduced in the furnace through openings with automatic over speed safety device, Locking device & top limit switch assembly over/under load assembly.

1. Type : Electrick powered hoist
2. Capacity : 1000kg
3. Speed of hoist 8 to 10 mtr per min

MOTOR

1. Voltage : 380 to 415V
2. Phase : 3
3. Power : as per design to suit the capacity of 1000kg
4. R.P.M : as per design
5. Current : as per design

WIRE ROPE

1. length of wire rope : 120-mtr
2. Dia of wire rope : 8 to 9 mm
3. Construlctioin 6X36 WS galvanized steel wire rope with steel core
4. Tensile strength 220-240 kg/mm²

POWER SUPPLY CABLE

125 Mtr long electric supply cable 5X2.5mm² with plug on one end and cable retainer

PLATFORM

Each platform shall be provided with light weight high strength aluminium alloy made of specially design split deck sections with chequered anti slip floor which can be introduced through any opening having an ellipse size of 597X406 mm. The platforms are modular design and will be delivered in deck and guard rails sections to assemble the required platform length.

The number of connection blocks and guard rails connections shall be adequate to assemble platform of 12 meters long each.

The platforms will be provided with rubber wall roller assemblies and not galvanized steel standard stirrups.

Each platform will be equipped with electric powered hoists mounted on the crawl through suspension stirrup at each side of the platform.

HOIST

Self reeving for easy rigging. In built safety features include fail safe brake on main shaft, thermal protection of the electric motor and no power lowering device. The two hoist on each platform will be operated from a central control box plugged in each hoist and suspended on the guard rail in the center of the platform.

Each hoist will be equipped with proper locking device. Each hoist will be equipped with a top limit switch mounted on the lock safety device.

In addition to the above the following are to be supplied.

1. Sets of safety belt and rope with safety hook.
2. Sets of mandatory spares for two years of operation as shown below.
 - Oil seals
 - Needle roller segments
 - Fastners
 - Spring
 - Ball bearings
 - Speed sensor
3. Tools kits for the 1 set (2 nos) moving platforms
4. Cable spindles for storage and handling of steel wire ropes



A handwritten signature in dark ink, appearing to be 'J. M. S.', located below the list of items.