

## **HEAVY I BEAM FESTOONING TROLLEY**

### **Area of trolley operations :**

Bulk conveying systems with machines for receiving coal from railway wagons, conveying for storage (open stockyard), reclaiming from storage, crushing and conveying upto coal bunkers

### **ENVIRONMENT**

Ambient Air Temp min / max Deg C : 3.3 / 50

Relative Humidity min / max % at 40Deg C : 33 / 83

Tropical condition : YES

Atmospheric condition : Highly Polluted

### **TROLLEY TYPE :**

Festooning trolley required for 210 degrees Slewing action of Stacker Cum Reclaimer Machine including 1 fixed, 1 toeing trolley and protective Drag Cghain

Standards to be followed : IS: 2629, IS 4759 and IS 2633

Galvanising of Center/Hanger Plate, Saddle Assembly / plate for cable rest and Running Gear / Wheels / Rollers

### **TECHNICAL SPECIFICATIONS**

Cable Festooning Trolley shall normally be installed outdoors without shelter with a common base plate on the foundation.

Heavy duty festooning trolley shall be designed for curvature guide  
Beam Size shall be Fabricated

Trolley wheels shall be suitable as per beam cross sectional profile to have maximum point of contact.

Trolley shall be designed to accommodate a wide range of "I" beams & shall be capable of travelling curved monorails with design being such to maintain uniform distribution of pressure on the flange.

Loop Length for cable between 2Nos Trolleys shall be approximately 2000mm

Heavy duty festooning trolley shall be supplied complete Moving trolleys, tow trolley, end clamp trolley, drag chain and all related assemblies

Cables shall be arranged in tiers to segregate control and power cables

Wire rope shall be pre-formed type, hemp cored, regular lay 6/36 construction with breaking strength of 160-175kgf/ sq.mm Reverse bend rope is not acceptable.  
Minimum number of falls of rope shall be four (4).

Trolleys shall be dynamically balanced to suit overall cable weight.

Cast iron parts wherever used, shall be of minimum grade 30, IS:210

Trolleys shall be swivelling type for catering twisting motion of cables

Travel speed is 0.2 RPM for slew platform.

Festooning Cable trolley shall be designed in compliance with the Site conditions and cable requirements.

Festooning Trolley Centre/ Hangar Plate and Saddle assembly plate for cable rest shall be galvanized or painted.

Maximum thickness incase of galvanizing shall be 86 microns

Paint colour in case of painting will be RAL 9002

