

# Greaves 'E' Mill Gear Box

## History:

- Premium **pioneered** the manufacturing of Coal pulverizing gear units in India
- **First 8.5E mill gear unit** was Designed, Manufactured & Supplied in **August 1990** to MPEB - India
- **First 10 P mill gear unit** was Designed, Manufactured & Supplied in **August 1995** to RSP - India
- Close to **200 Mill** Gearboxes working satisfactorily in India

## Satisfied Customers

- Alstom Power Boilers Ltd
- Mitsui Bobcock Ltd
- Madhya Pradesh Electricity Board
- Maharashtra Electricity Board
- Gujarat State Electricity Board
- National Thermal Power Corporation
- West Bengal Electricity Board
- Damodar Vally Corporation
- Associate Cement Company
- Rourkela Steel Plant
- Panipat Thermal Power Station
- Kota Thermal Power Station

## Types of 'E' Mill Units

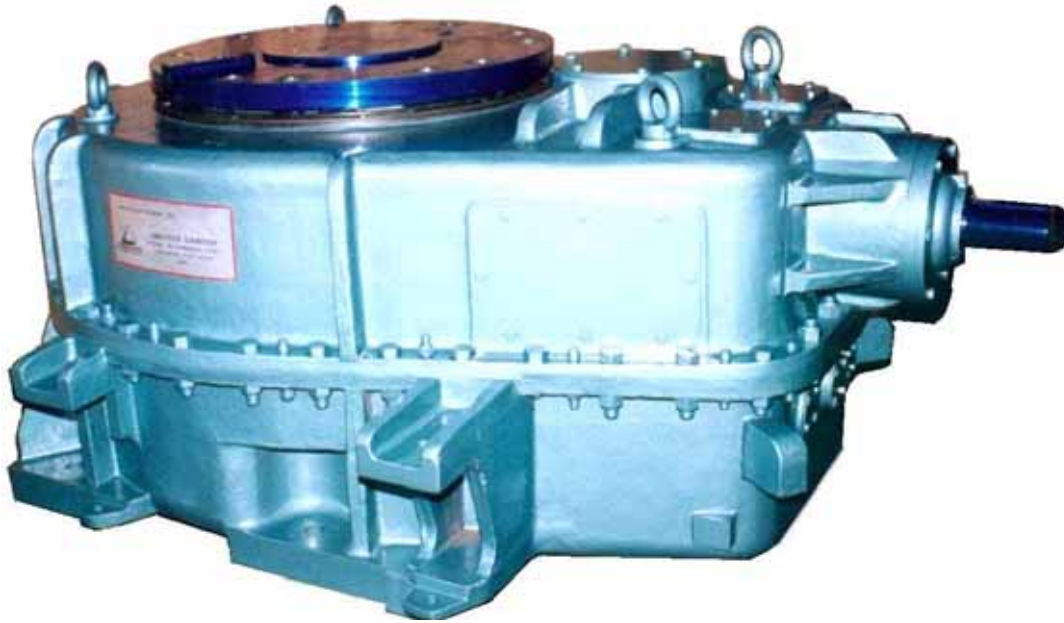
- 8.5 E Mill- with
  - Nitrided Pinion
  - Soft wheel
- 8.5Es Mill- with
  - Pinion Case hardened & Ground
  - Wheel through hardened
- 8.5Ex Mill--with
  - Pinion Case hardened & Ground
  - Wheel Case hardened and ground



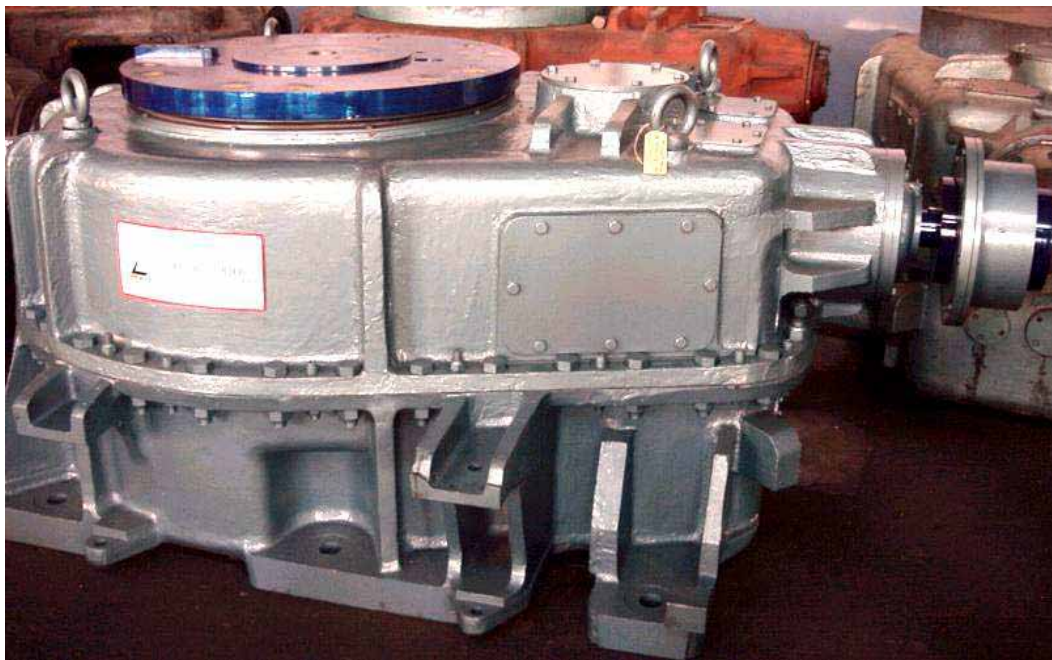
**PREMIUM**



## 8.5 'E' Mill Gear Unit



Four Point Mounting



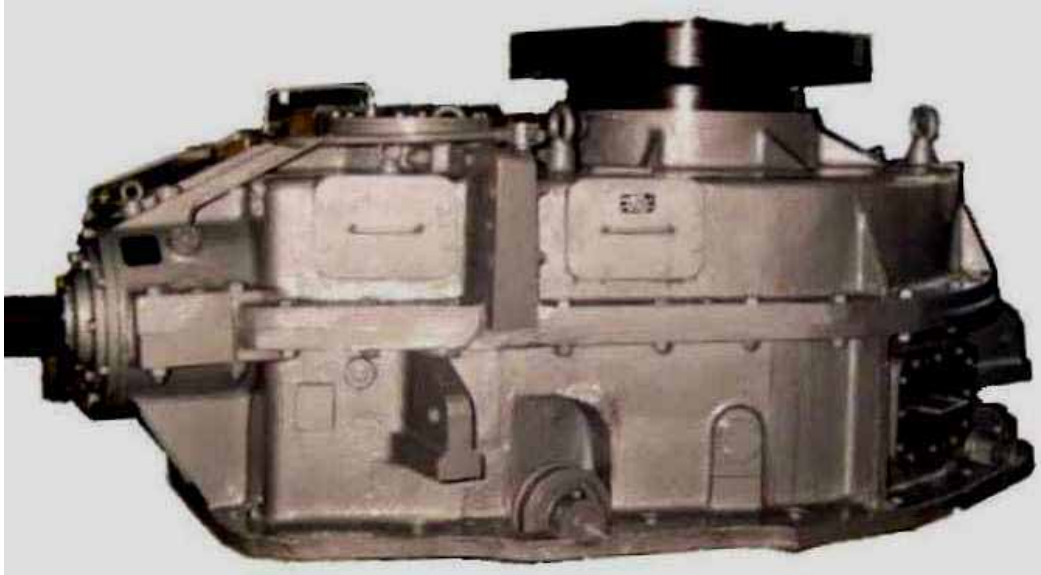
Six Point Mounting



**PREMIUM**



**10 'E' Mill Gear Unit**



**10P 'E' Mill Gear Unit**



**10.9 'E' Mill Gear Unit**

Component	Material of Construction	Standard
Bevel Gear	17CrNiMo6	DIN 17210
Helical Pinion	17CrNiMo6	DIN 17210
Helical wheel (8.5 Ex)	EN353	BS 970
Helical wheel rim (8.5 Es)	EN 26 V	BS 970
Helical wheel center (8.5 Es)	FG 260	IS 210
Output Shaft	En 9	BS 970
Output Coupling	En 8	BS 970
Casing	FG 260	IS 210

### FLS System

#### 8.5 E mill

#### 10 E mill

Motor	3 HP @ 1000RPM
Pump	80 Litres per Minute -2.5 kg/cm sq
Cooler	800 BTU/ Minute
Filter	Duplex Filter (200 Micron Mesh)

Motor	5 HP @ 1440RPM
Pump	100 Litres per Minute - 2.5 kg/cm sq
Cooler	1200 BTU/ Minute
Filter	Duplex Filter (200 Micron Mesh)