

के० ख० एवं ई० अ० सं० परीक्षण प्रकोष्ठ - CIMFR TESTING CELL

केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

(वैज्ञानिक, उद्योगिक और खनन अनुसंधान परिषद)

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CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH

FORMERLY : CENTRAL MINING RESEARCH INSTITUTE

(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)

बरवा रोड, धनबाद-826015 (भारत) BARWA ROAD, DHANBAD-826015 (INDIA)

परीक्षण प्रमाण पत्र - TEST CERTIFICATE

FORMAT NO.: (CIMFR: DQM: FLP02: F-01)
(Flame & Explosion Laboratory)

ID NO. 07/10

Code No. FLP/183/09-10

[For association with the report of test sent (under cover of this office letter No. CIMFR/TC/P/159 Dated: 3rd April, 2010) to M/S. EMCO DYNATORQ PVT. LTD., 1ST FLOOR, SITA MAULI, ABOVE BANK OF MAHARASHTRA, MADANLAL DHINGRA ROAD, PANCH PAKHADI, THANE (W) - 400 602, in respect of the equipment mentioned below submitted to CIMFR for Test]

FIRST SCHEDULE

1. **Applicant:** M/S. EMCO DYNATORQ PVT. LTD.,
1ST FLOOR, SITA MAULI,
ABOVE BANK OF MAHARASHTRA,
MADANLAL DHINGRA ROAD, PANCH PAKHADI,
THANE (W) - 400 602
2. **Manufacturer:** M/S. EMCO DYNATORQ PVT. LTD.,
1002-1003, GIDC, WAGHODIA,
DIST - VADODARA - 391 760
3. **Title of Apparatus:** Flameproof - Weatherproof (IP-65) Enclosure for Fail Safe Brake, in cast aluminium alloy LM-6 construction.
4. **Type of Ex Protection:** Flameproof Ex 'd'
5. **Type of Ingress Protection:** IP-65
6. **Cat/Type/Model No.:** Cat. No.: 458.0, Type & Size : 14.458.14
7. **Rating of Apparatus:** rated at 230V AC, 50Hz, 6 to 220V DC 50Watt (max.)
8. **Temperature Class:** As mentioned in **Table#A3**
9. **Zones and Gas Group:** Zone 1 & 2, Gas Group: IIA & IIB atmosphere .
10. **Standard reference:**
 - (a) As to flameproof construction: IS: 2148-2004(IEC 60079-1/2001)
 - (b) As to general design, rating and T class: IS: 13346-2004(IEC 60079-0/2000).
 - (c) As to weatherproof construction (IP-65): IS: 12063-1987(IEC 60529-1989)
11. **Material of construction and minimum thickness:** Cast Aluminum Alloy LM-6 construction and 12mm (min) wall thickness.
12. **Weight of the enclosure:** 19.0 kg. (declared by applicant).
13. **Inspection window/parts:** NA.