



सीएसआईआर-केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

CSIR-Central Institute of Mining and Fuel Research

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

(Council of Scientific & Industrial Research)

बरवा रोड, धनबाद-826015, झारखण्ड, भारत

Barwa Road, Dhanbad - 826015, Jharkhand, India

ज्वालासह एवं उपकरण सुरक्षा / FLAMEPROOF & EQUIPMENT SAFETY

परीक्षण प्रमाण पत्र / TEST CERTIFICATE



NABL, Certificate No. : TC-5962

TYPE EXAMINATION CERTIFICATE

FORMAT NO.: (CIMFR: DQM: FLP02: F-01: REV-01)
(Flameproof & Equipment Safety)

Certificate No.: CMF 19 INEx 0033

ULR No.: TC596219000000145F

Dated: 28/11/2019

(Issue No. 0)

1. **Applicant** : M/s. AKHSHAR BRASS INDUSTRIES
PLOT NO. 46, 47 & 50, 51, SURVEY NO. 246, 245 & 238
AT LAKHABAVAL, NAGHEDI GIDIC,
JAMNAGAR – 361 004
2. **Manufacturer** : M/s. AKHSHAR BRASS INDUSTRIES
SHED NO. 4027, GIDC, PHASE - III,
DARED, JAMNAGAR – 361 004
GUJARAT.
3. **Equipment** : “CABTEK” BRAND FLP-WP DOUBLE COMPRESSION CABLE
GLAND.
4. **Designated by** : Type No. xxx E1FW xxx, xxx E1FX xxxx,
xxx E1FU xxx, & xxx CDCF xxxx Series.
5. **Type of protection** : Ex d
6. **Marking** : Ex d IIB Gb
7. **Material of Construction** : Brass Construction.

This certificate is issued as verification that a sample/documentation was assessed and found to comply with the IS/IEC Standard list below.

This certificate relates to only design and construction of the equipment. It does not cover requirement related to manufacturing process and usage.

8. Standards

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IS/IEC 60079-0:2011 Explosive atmospheres – Part 0: General requirements.

IS/IEC 60079-1:2014 Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”.

This type test certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the standards listed above.

9. **Degree of ingress protection:** IP-67 according to IS/IEC 60529:2001 (Reaffirmed 2014) (Refer test report no. IECEX IPS 16.0041X Dt. 29/09/2016).

10. Test & Assessment Reports:

A sample(s)/documents of the equipment listed have successfully met the examination and test requirements as recorded in IN/CIMFR/TR19/ H-198 Dated: 29 November, 2019.



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SCHEDULE

11. **Description of equipment:** "CABTEK" BRAND FLP-WP DOUBLE COMPRESSION CABLE
GLAND Type No. xxx E1FW xxx, xxx E1FX xxxx, xxx E1FU xxx, & xxx CDCF xxxx Series.

12. **Drawing and documents:**

Sl. No.	Drg. No.	Title	Rev.	Sheet	Date
1.	Ex-CE1F-CMRI	E1FW, F1FX & E1FU Ex Cable Glands	0	1 of 1	09/07/2019
2.	CDCF-CMRI	Flameproof Double Compression Cable Glands	0	1 of 1	09/07/2019

13. **Routine Testing:** Not applicable

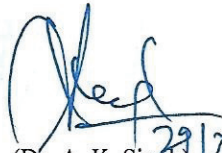
14. **Specific conditions of use:** Not Applicable

15. **Details of certificate changes (for issue 1 and above):** Not Applicable.

16. **Additional Information:** Not Applicable

17. **History:** CMF 19 INEX 0033, Issue No. 0, Dated: 28/11/2019.

Approved for issued on behalf of CIMFR
Position


(Dr. A. K. Singh)
Chief Scientist & HOS

This Institute reserves the right to review, amend or withdraw this Type Examination certificate at any time if considered necessary in the interest of safety.