



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 0006

Dated: 14/10/2019 (Issue No. 0)

ULR No.: TC596219000000108F

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 CONDUIT ACCESSORIES
Type No. A xx xx x, R xx, xx x, AN xx xx x, AC xx xx x,
HSP xx xx x & ASP xx xx x Series
4. **Type of protection** : Gas Group: IIC, EPL Gb.
5. **Marking** : Ex db IIC Gb
Ex tb IIIC Db

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.

6. 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”.
IS/IEC 60079-31:2013 Explosive atmospheres – Part 31: Equipment Dust ignition protection by enclosure “t”.

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

7. 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/H175 Dated: 15 October, 2019.



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SCHEDULE

8. **Description of equipment:** "CABTEK" BRAND FLP-WP CONDUIT ACCESSORIES
Type No. A xx xx x, (Size: M16 to M90), R xx, xx x, (Size: M16 to M90)
AN xx xx x, (Size: M16 to M90), AC xx xx x, (Size: M16 to M90)
HSP xx xx x, (Size: M16 to M90) & ASP xx xx x Series (Size: M16 to M90)

9. **Degree of ingress protection:** IP-67 (Refer Test Result #A2).

10. Drawing and documents:

Sl. No.	Drg. No.	Title	Rev.	Page No.	Date
1.	Ex=ACC-CMRI	FLP-WP Conduit Accessories	0	1 of 1	09/07/2019
2.	Ex=CASP-CMRI	Allen Stop Plug/Blanking Element	0	1 of 1	09/07/2019
3.	Ex=CHSP-CMRI	Hexagonal Stop Plug/Blanking Element	0	1 of 1	09/07/2019

11. **Routine Testing:** A routine overpressure test in accordance with IS IEC 60079-1:2014 clause 16 shall be carried out at a pressure of 30 Kg/cm² for a period of at least 10 seconds and test results must be recorded. The overpressure test shall be considered satisfactory, if no permanent deformation or damage invalidating type of protection is observed, the joints shall in no place have been permanently enlarged and no leakage through the walls of the enclosure is observed.

12. **Specific conditions of use:** Nil.

13. **Details of certificate changes (for issue 1 and above):** Not applicable.

14. **Additional Information:** Nil

15. **History:** Issue 0, Dated: 14/10/2019

Approved for issued on behalf of CIMFR
Position

14/10/2019
(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.