



**Government of India**  
**Ministry of Commerce & Industry**  
**Petroleum & Explosives Safety Organisation (PESO)**  
**5th Floor, A-Block, CGO Complex, Seminary Hills,**  
**Nagpur - 440006**

E-mail : [explosives@explosives.gov.in](mailto:explosives@explosives.gov.in)  
 Phone/Fax No : 0712 -2510248, Fax-2510577

Approval No : A/P/HQ/DD/104/5532 (P455530)

Dated : 14/10/2019

To,

**M/s. FCG Flameproof Control Gears Pvt. Ltd.,**  
**PlotNo,40-43 Premier Industrial Estate, Kachigam Daman ,**  
**Plot No. 40-43, Premier Industrial Estate, Kachigam Daman Daman & Diu 396210, Daman & Diu,**  
**Daman (M. Cl.),**  
**Taluka: Diu (M. Cl.),**  
**District: DIU,**  
**State: Daman & Diu,**  
**PIN: 396210**

**Sub :** Approval of Flame Proof Type Smart Interlock under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN374079** dated **17/09/2019** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IS/IEC 60079-0 : 2004, IS/IEC 60079-1 : 2007**, standards and covered under **Central Institute of Mining and Fuel Research, Dhanbad** Test reports mentioned below is/are approved for use in **Zone 1** of Gas **IIB** hazardous areas coming under the the Petroleum Rules, 2002 administered by this Organization.

Sr. No	Description	Safety Protection	Equipment reference Number	Test Agency			Drawing no
				Name	Certificate No.	Certificate Date	
1	FLP/WP Smart Interlock Type No. Smart 100.... Series	Ex d IIB T6	<b>P455530/1</b>	Central Institute of Mining and Fuel Research, Dhanbad	CIMFR/TC/P/H33	11/04/2014	DD A3 142/13 Sheet 1- 2 Rev 0

This Approval is granted subject to observance of the following conditions:-

- 1)The design and construction of the equipment shall be strictly in accordance with description, condition and drawings as mentioned in the Test Reports referred to above.
- 2)The equipment shall be used only with approved type of accessories and associated apparatus.
- 3) Each equipment shall be marked either by raised lettering cast integrally or by plate attached permanently to the main structure to indicate conspicuously:-
  - (a) Name of the manufacturer
  - (b) Name and number by which the equipment is identified.
  - (c) Number & date of the test report of the Central Institute of Mining and Fuel Research, Dhanbad applicable to the equipment.
  - (d) Equipment reference number of this letter by which use of apparatus is approved.
  - (e) BIS approval number.
  - (f) Protection level.
- 4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the Test report and is identical with the one tested and certified at Testing agency shall be furnished

with each equipment.

5) The customer shall be supplied with a copy of this letter, an extract of the conditions and maintenance schedule, if any, recommended by Central Institute of Mining and Fuel Research, Dhanbad and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its safe characteristics.

6) The IS/IEC 60079-17 and IS/IEC 60079-19 shall be followed for maintenance and repair of overhaul of the subject equipments.

**Conditions of the Approval:-**

The approval for above equipment is subject to validity of BIS License No. CM/L-0769872.

This approval supersedes earlier Chief Controller of Explosives approval No. A/P/HQ/MH/104/3731 (P344750) dated 31/10/2014.

This approval also covers the permissible variations as approved under the Central Institute of Mining and Fuel Research, Dhanbad test reports referred above. This approval is liable to be cancelled if any of the conditions of the approval is violated or not complied with. The approval may also be amended or withdrawn at any time, if considered necessary in the interest of safety.

The field performance report from actual users/your customers of the subject equipment may please be collected and furnished to this office for verification and record on annual basis.

The Approval is Valid upto **31/12/2023**

Yours faithfully,

**(Ninad Dattaram Gawade)**  
**Dy. Controller of Explosives**  
**For Chief Controller of Explosives**  
**Nagpur**

Copy to :

1. Jt. Chief Controller of Explosives, West Circle, MUMBAI

**for Chief Controller of Explosives**  
**Nagpur**

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

**Note:- Please submit the revalidation application one month before the date of Expiry of approval otherwise approval will be treated as cancelled and a fresh application for approval will be considered for the approval.**

**Disclaimer : This page gives the latest action taken by this organization on your application. This page is made available for the information of concerned applicant/licensee only. For documentary purposes, only the original documents issued under the seal and signature of the respective offices of Petroleum & Explosives Safety Organization shall be valid. All efforts have been made to secure this information. However, PESO will not be responsible for any misuse of the information by unauthorized persons including the hackers.**



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Phone/Fax No : 0712 -2510248, Fax-2510577

Approval No : A/P/HQ/TN/104/5857 (P468193)

Dated : 21/02/2020

To,

M/s. Baliga Lighting Equipments Private Limited,  
PlotNo,389,  
No. 389, Medavakkam road, Kovilambakkam, Kovilambakkam,  
Tambaram,  
Taluka: Tambaram,  
District: KANCHIPURAM,  
State: Tamil Nadu,  
PIN: 600117

**Sub :** Approval of Flame Proof Type Electrical Equipments under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN442723** dated **22/01/2020** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IS/IEC 60079-0 : 2011, IS/IEC 60079-1 : 2014, IS/IEC 60079-31 : 2008, IS/IEC 60529 : 2001**, standards and covered under **CSIR - Central Institute of Mining and Fuel Resear** Test reports mentioned below is/are approved for use in **Zone 1** of Gas **IIB** hazardous areas coming under the the Petroleum Rules, 2002 administered by this Organization.

Sr. No	Description	Safety Protection	Equipment reference Number	Test Agency			Drawing no
				Name	Certificate No.	Certificate Date	
1	SMART-100 Series, FLP/WP Sentry card reader & Smart ground detector	Ex d IIB T6 Gb T85 Deg C Db IP66	<b>P468193/1</b>	CSIR - Central Institute of Mining and Fuel Resear	CMF 19 INEx 0049	26/12/2019	CE SMT1031A - 32A - 33A

This Approval is granted subject to observance of the following conditions:-

- 1)The design and construction of the equipment shall be strictly in accordance with description, condition and drawings as mentioned in the Test Reports referred to above.
- 2)The equipment shall be used only with approved type of accessories and associated apparatus.
- 3) Each equipment shall be marked either by raised lettering cast integrally or by plate attached permanently to the main structure to indicate conspicuously:-
  - (a) Name of the manufacturer
  - (b) Name and number by which the equipment is identified.
  - (c) Number & date of the test report of the CSIR - Central Institute of Mining and Fuel Resear applicable to the equipment.
  - (d) Equipment reference number of this letter by which use of apparatus is approved.
  - (e) BIS approval number.
  - (f) Protection level.

4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the Test report and is identical with the one tested and certified at Testing agency shall be furnished with each equipment.

5) The customer shall be supplied with a copy of this letter, an extract of the conditions and maintenance schedule, if any, recommended by CSIR - Central Institute of Mining and Fuel Resear and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its safe characterestics.

6) The IS/IEC 60079-17 and IS/IEC 60079-19 shall be followed for maintenance and repair of overhaul of the subject equipments.

This approval also covers the permissible variations as approved under the CSIR - Central Institute of Mining and Fuel Resear test reports referred above. This approval is liable to be cancelled if any of the conditions of the approval is violated or not complied with . The approval may also be amended or withdrawn at any time, if considered necessary in the interest of safety.

The field performance report from actual users/your customers of the subject equipment may please be collected and furnished to this office for verification and record on annual basis.

The Approval is Valid upto **31/12/2024**

Yours faithfully,

(K Srinivasa Rao)  
Controller of Explosives  
For Chief Controller of Explosives  
Nagpur

Copy to :

1. Jt. Chief Controller of Explosives, South Circle Office, CHENNAI

for Chief Controller of Explosives  
Nagpur

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21/02