



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

Approval No : A/P/HQ/KA/104/6249 (P626079)

Dated : 06/03/2025

To,

M/s. MALEMA SENSORS INDIA PRIVATE LIMITED,
PlotNo.#1433,
1st 3rd & 4th Floors, Pipeline Road,mahalakshmi puram, Bangalore,
Bangalore(Urban),
Taluka: Bangalore,
District: BANGALORE(Urban),
State: Karnataka,
PIN: 560086

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

Sir(s),

Please refer to your letter No. **OIN1931512** dated **25/02/2025** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IEC 60079-0 : 2017, IEC 60079-18: 2017,** standards and covered under **UL Solutions, USA / UL Solution, USA / UL Solutions , USA / UL Solutions, USA** Test reports mentioned below is/are approved for use in **Zone 1** of Gas **IIC** 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 | M-50X | Ex mb II T3 Gb | P626079/1 | UL Solutions , USA | IECEx UL 13.0067X Issue No. 4 | 02/02/2024 | As per test report |
| 2 | M-60X | Ex mb II T3 Gb | P626079/2 | UL Solutions, USA | IECEx UL 13.0067X Issue No. 4 | 02/02/2024 | As per test report |
| 3 | M-100X | Ex mb II T3 Gb | P626079/3 | UL Solution, USA | IECEx UL 13.0067X Issue no 4 | 02/02/2024 | As per test report |
| 4 | M-200X | Ex mb II T3 Gb | P626079/4 | UL Solutions, USA | IECEx UL 13.0067X Issue no 4 | 02/02/2024 | As per test report |

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 UL Solutions, USA/ UL Solution, USA/ UL Solutions , USA/ UL Solutions, USA 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 UL Solutions, USA/ UL Solution, USA/ UL Solutions , USA/ UL Solutions, USA 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:-

- 1.Validity of this approval shall be subject to the validity of QAR of the manufacturer.
2. The specific conditions of use as mentioned in COC no.IECEx UL 13.0067X Issue No. 4 , dated 2/2/2024 shall be communicated to the end user and shall be strictly followed.

This approval also covers the permissible variations as approved under the UL Solutions, USA / UL Solution, USA / UL Solutions , USA / UL Solutions, USA 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 **31/12/2029**

Yours faithfully,

(SAUMITRA RAYCHAUDHURI)
Dy. 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

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

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