



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

स्पीड पोस्ट  
SPEED POST



E-mail : [explosives@explosives.gov.in](mailto:explosives@explosives.gov.in)

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

Approval No : A/P/HQ/MH/104/6010 (P424398)

Dated : 16/10/2018

To,

M/s. ENDRESS HAUSER FLOWTEC INDIA PRIVATE LTD.,  
Plot No. M 171 to 176,  
MIDC Waluj, Aurangabad,  
Aurangabad,  
Taluka: Aurangabad,  
District: AURANGABAD,  
State: Maharashtra,  
PIN: 431136

22 OCT 2018

Sub : Approval of Flame Proof, Intrinsically Safe Type Flowmeters and Enclosures under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. NIL dated 19/09/2018 on the subject.

The following Ex electrical equipment(s) manufactured by you according to IS/IEC 60079-0 : 2011, IS/IEC 60079-1 : 2007, IS/IEC 60079-11 : 2006, IS/IEC 60079-26 : 2006, standards and covered under Karandikar Laboratories Pvt. Ltd. Test reports mentioned below is/are approved for use in Zone 1, Zone 2 of Gas IIA/IIB/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	G*** FLP Enclosure	Ex d IIC T6/T5 Gb	P424398/1	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/18-016X Supplement 1	11/10/2018	As per test report No. KLPL/Ex/18-016U
2	Proline300/500 Flowmeter System, Type Proline Promag 300 Proline Promag 500	Ex db [ia] IIC T6..T1 Gb or Ex rh eh* [ia] IIC T6..T1 Gb	P424398/2	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/18-018X	22/02/2018	As per test report No. KLPL/Ex/E H-18/003
3	Proline Promass 300/Cubemass 300, Proline Promass 500/Cubemass 500	Ex db [ia] IIC T6..T1 Ga/Gb or Ex db [ia] IIC T6..T1 Gb or Ex ia IIC T6..T1 Gb	P424398/3	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/18-017X	22/02/2018	As per test report No. KLPL/Ex/E H-18/002

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 Karandikar Laboratories Pvt. Ltd. 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 Karandikar Laboratories Pvt. Ltd. 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 equipments is subject to validity of BIS License No. CML-7500046010.  
\*Ex e protection shall be limited to the termination of cables & wires only.

This approval also covers the permissible variations as approved under the Karandikar Laboratories Pvt. Ltd. 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 31/12/2022

Yours faithfully,

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

Copy to :  
1. Jt. Chief Controller of Explosives, East Circle office, KOLKATA

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.