



**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/MH/104/6622 (P483618)**

**Dated : 11/12/2020**

To,

**M/s. Metrix Instrument Co. LP,**  
**8824 Fallbrook Drive Houston, TX 77064 USA ,HOUSTON**  
**77064 vivek.joshi@metrixvibration.com**  
**U.S.A**

**Sub :** Approval of Intrinsically Safe Type Vibration Switch under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN650194** dated **24/11/2020** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **EN 60079-11 : 2012, EN/IEC 60079-0: 2018,** standards and covered under **Laboratoire Central des Industries Electriques** 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	Vibration Transmitter Type ST5484E-AAA-BBCD-EF	Ex ia IIC T4 Ga	<b>P483618/1</b>	Laboratoire Central des Industries Electriques	LCIE 02 ATEX 6244 X Issue 05	16/09/2020	9163-Ex-ia-AGENCY Rev C

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 Laboratoire Central des Industries Electriques 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 Laboratoire Central des Industries Electriques applicable to the equipment.
  - (d) Equipment reference number of this letter by which use of apparatus is approved.
  - (e) Protection level.
- 4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the Laboratoire Central des Industries Electriques Test report and is identical with the one tested and certified at Laboratoire Central des Industries Electriques 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 Laboratoire Central des Industries Electriques in their test reports and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its Flame Proof characteristics.
- 6) The After sales service and maintenance of subject equipment shall be looked after by your representative Pushkaraj Enterprises, 1414/1 B Suvidha Chambers, Pune Vidhyarthi Griha Road, Sadashiv Peth Pune 411 030

**Conditions of the Approval:-**

The approval for above equipment is subject to validity of production quality assurance notification SGS ATEX 0708.

This approval also covers the permissible variations as approved under the Laboratoire Central des Industries Electriques 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,

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

Copy to :

1. Jt. Chief Controller of Explosives, West Circle, MUMBAI
2. Pushkaraj Enterprises, 1414/1 B Suvidha Chambers, Pune Vidhyarthi Griha Road, Sadashiv Peth Pune 411 030

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

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

**This is System Generated document. Signature is not required.**



**The following pages are the prior revisions of this certificate.**



**GOVERNMENT OF INDIA**  
**MINISTRY OF COMMERCE & INDUSTRY**  
**PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)**  
 (Formerly Department of Explosives)  
 CGO COMPLEX SEMINARY HILLS  
 NAGPUR 440006



**SPEED POST**

Letter No: A/P/HQ/MH/104/  
2123(P251977)

Email  
:explosives@explosives.gov.in

Phone/Fax  
No.2510248/2510577

Dated : 24/6/2010

To  
M/s. METRIX INSTRUMENT, Co.  
1711 Townhurst Drive,  
HOUSTON,  
TEXAS 77043-2899,  
USA.

**Sub** :Approval of Vibration Transmitter Type ST5484E.

Dear Sir(s),

Please refer to letter No MTX/PESO/5484/CAL/05/2010 dated 13/05/2010 from M/s. Emandi International, Visakhapatnam, on the above subject.

The following Intrinsically Safe equipment(s) manufactured by you according to EN 60079-0 : 2006 & EN 60079-11 (2007) standards and covered under LCIE Test reports mentioned below is approved for use in Zone 1 of Gas Group IIC hazardous areas coming under the purview of the Petroleum Rules, 2002 administered by this Organization.

Sr.No	Description	Safety Protection	CCEs Identification Number	Test House	Test Report No.	Drawing Numbers
1	Vibration Transmitter Type ST5484E.	Ex ia IIC T4	P251977/1	LCIE	LCIE 02 ATEX 6244 X/01 Dt.26/10/2009	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 LCIE Test Reports referred to above
- 2). The equipment shall be used only with approved type of accessories and associated apparatus
- 3). The equipment shall be used only in conjunction with the approved Intrinsically Safe barriers
- 4). Each equipment shall be marked either by raised lettering cast integrally or by plate attached to the main structure to indicate conspicuously.

Contd..2/-

- (a) Name of the manufacturer
  - (b) Name and number by which the equipment is identified
  - (c) Number & Date of the test Report of the LCIE applicable to the equipment
  - (d) CCEs Identification Number of this letter by which use of the apparatus is approved
- 5). A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the LCIE test report and is identical with the one tested and certified at LCIE shall be furnished with each equipment
  - 6). The customer shall be supplied the copy of this letter, an extract of the conditions and maintenance schedule, if any recommended by LCIE in their test reports and copy of instructions booklet detailing operation and maintenance of the equipment so as to maintain its Intrinsically Safe safety characteristics
  - 7). The After sales service and maintenance of subject equipment shall be looked after by your representative M/s. Emandi International, Post Box # 2060, 28-10-17, Suryabagh,,Nr. Jagadamba Jn., Visakhapatnam, VISAKHAPATNAM (Dist.) ,Andhra Pradesh (State)

This Approval also covers the permissible variation as approved under the LCIE test report referred above .This approval may be deemed to have been revoked with immediate effect at any time, if any of the conditions subject to which approval has been granted 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 at regular intervals.

This approval is otherwise valid a period of five years from the date of issue.

Yours faithfully,



(R.A.GUJAR )

Controller of Explosives  
for Chief Controller of Explosives  
Nagpur

Copy to :

1. The Jt. Chief Controller of Explosives, West Circle, Mumbai; East Circle, Kolkata; South Circle, Chennai; North Circle, Faridabad; Central Circle, Agra.
2. M/s. Emandi International, Post Box # 2060, 28-10-17, Suryabagh,,Nr. Jagadamba Jn., Visakhapatnam, Distt. VISAKHAPATNAM (Andhra Pradesh)



for Chief Controller of Explosives