



Government of India  
Ministry of Commerce & Industry  
Petroleum & Explosives Safety Organisation (PESO)  
5th Floor, A-Block, CGO Complex, Chhatrapati Shivaji Maharaj Marg,  
Nagpur - 440005

E-mail : explosives@explosives.gov.in  
Phone/Fax No : 0712 -2510248, Fax-2510577

Dated : 11/11/2019

Approval No : A/P/HQ/MH/104/6318 (P459073)

To,

M/s. M/s. Metrix Instruments Co LP,  
8824 Fallbrook Drive ,Houston  
77064 Vivek.Joshi@Metrixvibration.com  
U.S.A

Sub : Approval of Intrinsically Safe Type Velocity Transducer under Petroleum Rules 2002- Regarding.

Sir(s).

Please refer to your letter No. OIN383252 dated 22/10/2019 on the subject.

The following Ex electrical equipment(s) manufactured by you according to EN 60079-0 : 2012/A11 : 2013, EN 60079-11 : 2012, standards and covered under SGS Baseefa Ltd. 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	Model 5485C Velocity Transducer	Ex ia IIC T6..T1 Ga	P459073/1	SGS Baseefa Ltd.	Baseefa10ATEX0056X- Issue 2	07/09/2015	5485C-004-AGENCY Issue C, 5485C-AGENCY Issue C Sheet 1-2, 5485C-XXX-AGENCY Issue C Sheet 1-2

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 SGS Baseefa Ltd. 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 SGS Baseefa Ltd. 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 SGS Baseefa Ltd. Test report and is identical with the one tested and certified at SGS Baseefa Ltd. 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 SGS Baseefa Ltd. 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, 1B, Suvidha Chambers, Sadashiv Peth, Pune-411030

**Conditions of the Approval:-**

The approval for above equipment is subject to validity of production quality assessment notification Baseefa ATEX 0708

This approval also covers the permissible variations as approved under the SGS Baseefa 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 31/12/2023

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
- 2. Pushkaraj Enterprises,1414, 1B, Suvidha Chambers, Sadashiv Peth, Pune-411030

for Chief Controller of Explosives  
Nagpur

METRIX DOC NO: 1410547  
REV: B



**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**



Letter No: A/P/IQ/MH/104/3716(P344499)  
 Email :explosives@explosives.gov.in  
 Phone/Fax No.2510248/2510577  
 Dated : 29/10/2014

To  
 M/s. Metrix Instrument Co.,  
 8824 Fallbrook, Hkouston,  
 Texas 77064,  
 U.S.A.

**Sub:**Approval of Model 5485C Velocity Transducer - under Petroleum Rules, 2002.

Dear Sir(s).

Please refer to letter No NIL dated 18/09/2014 from M/s. PUSIKARAJ Enterprises,PUNE on the above subject.

The following Intrinsically Safe equipment(s) manufactured by you according to EN 60079-0 : 2009 & EN 60079-11 : 2007 standards and covered under Baseefa, UK 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	5485C Velocity Transducer.	Ex ia IIC T* Ga	<b>P344499/1</b>	Baseefa, UK	Baseefa10ATEX0056X Dt.24/05/2010	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 Baseefa, UK 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
  - (a) Name of the manufacturer
  - (b) Name and number by which the equipment is identified
  - (c) Number & Date of the test Report of the Baseefa, UK 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 Baseefa, UK test report and is identical with the one tested and certified at Baseefa, UK 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 Baseefa, UK 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. PUSHKARAJ Enterprises, Suvidha Chamabers, 1414, 1B Sadashiv Peth,,PUNE Vidyaarathi Griha Road. PUNE, (Dist.), Maharashtra (State).

This Approval also covers the permissible variation as approved under the Baseefa, UK 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,



(Dr. Yogesh khare )  
Controller of Explosives  
for Chief Controller of Explosives  
Nagpur

Copy to :

- 1.The Jt. Chief Controller of Explosives, West Circle, Mumbai.
- 2.M/s. PUSHKARAJ Enterprises, Suvidha Chamabers, 1414, 1B Sadashiv Peth, PUNE Vidyaarathi Griha Road, PUNE. Distt.(Maharashtra).

*issued due to correction in name*

for Chief Controller of Explosives