



Government of India
Ministry of Commerce & Industry
Petroleum & Explosives Safety Organisation (PESO)
5th Floor, A-Block, CGO Complex, Connaught Place,
New Delhi - 110028
Nagpur - 440006



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

Approval No : A/P/HQ/MH/104/5649 (P403566)

Dated : 16/06/2017

To,

M/s. Galvanic Applied Sciences Inc.,
7000 Fisher Rd SE, Calgary, AB, T2H 0W3 Canada, Calgary
T2H 0W3 info@galvanic.com
U.S.A

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

Sir(s),

Please refer to your letter No. OIN107638 dated 25/04/2017 on the subject.

The following Ex electrical equipment(s) manufactured by you according to IEC -60079-0-2011, IEC 60079-1:2014-06, IEC 60079-28-2015, IEC-60079-11-2011, standards and covered under Intertek Testing & Certification Ltd., U.K. Test reports mentioned below is/are approved for use in Zone 1 of Gas IIB+H2 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	ProTech 903CE H2S, H2S/TS & TS Analyzer containing components as per attached annexure on pg 2	Ex db (ia) ia op is IIB+H2 T4 Gb	P403566/1	Intertek Testing & Certification Ltd., U.K.	IECEx ITS 17.0005X Issue No. 1	09/03/2017	SO-33672-00

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 Intertek Testing & Certification Ltd., U.K. 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 Intertek Testing & Certification Ltd., U.K. 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 Intertek Testing & Certification Ltd., U.K. Test report and is identical with the one tested and certified at Intertek Testing & Certification Ltd., U.K. 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 Intertek Testing & Certification Ltd., U.K. 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 M/s. ICE (ASIA) PVT. LTD., Broadway Centre, 3rd Floor, Dr. Ambedkar Road, Dadar T.T, Mumbai - 400014 (Maharashtra)

Conditions of the Approval:-

The list of components in the assembly of subject equipment are attached herewith as Annexure. The corresponding IECEx Certificate of Conformity and Quality Assessment Reports are also mentioned therein.

This approval also covers the permissible variations as approved under the Intertek Testing & Certification Ltd., U.K. 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 31/12/2021

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.M/s. ICE (ASIA) PVT. LTD.,Broadway Centre, 3rd Floor, Dr. Ambedkar Road, Dadar T.T, Mumbai - 400014 (Maharashtra)

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.

PG 1/2

Annexure to Approval No. A/P/HQ/MH/104/5649 (P403566)

Sr. No.	Equipment	Certified test lab report / EC type examination No. / IEC Ex Certificate of Conformity	Protection	EN / IEC / IS standards	BIS license No. / PQAN No. / QAR No.
1	ProTech903CE H2S, H2S/TS and TS Analyzer	IECEX ITS 17.0005X Issue No. 1 dated 09/03/2017	Ex db (ia) ia op is IIB + H2 T4 Gb	IEC 60079-0: 2011 IEC 60079-1: 2014-06 IEC 60079-11: 2011 IEC 60079-28: 2015	GB/ITS/QAR14.0026/00 valid up to 17/11/2017
2	Pressure switches series PX and temperature switches TX	IECEX INE 13.0095X Issue No. 0 dated 20/12/2013	Ex d IIC T6 or T4 Ga/Gb or Gb	IEC 60079-0: 2011 IEC 60079-1: 2007-04 IEC 60079-26: 2006	NO/DNV/QAR 13.0013/02 valid up to 01/06/2020
3	Pulling boxes by insertion and empty boxes series S1, s-, GUA-, EAH-	IECEX CES 15.0012U Issue No. 0 dated 10/06/2015	Ex d IIC Gb	IEC 60079-0: 2011 IEC 60079-1: 2014-06	IT/CES/QAR06/0002/09 valid up to 20/01/2018
4	Electric switch gearbox Type C3	IECEX BKI 07.0026 Issue No. 5 dated 08/09/2015	Ex d IIC T6	IEC 60079-0: 2004 IEC 60079-1: 2003	AU/TSA/QAR06.0020/08 valid up to 11/06/2018
5	Terminal box and control station type 8252/..	IECEX BVS 11.0059X Issue No. 0 dated 03/08/2011	Ex d (ia/ib Ga/Gb) IIC T4-T6 Gb	IEC 60079-0: 2007-10 IEC 60079-1: 2007-04 IEC 60079-11: 2006	DE/BVS/QAR10.0002/10 valid up to 06/01/2019
6	GEB enclosure	IECEX SIR 12.016U Issue No. 1 dated 01/08/2014	Ex d / Ex e IIC Gb	IEC 60079-0: 2011 IEC 60079-1: 2007-04 IEC 60079-7: 2006-07	US/UL/QAR07.0004/08 valid up to 09/02/2019
7	Seal fittings series EYS, EZS, EYD and EZD	IECEX CES 14.0019X Issue No. 0 dated 21/06/2014	Ex d IIC Gb	IEC 60079-0: 2011 IEC 60079-1: 2007-04	IT/CES/QAR06.0002/11 valid up to 20/01/2018
8	Enclosure XCEX and XCESX	IECEX UL 16.0081U Issue No. 0 dated 08/06/2016	Ex db IIB+H2 Gb	IEC 60079-0: 2011 IEC 60079-1: 2014-06	US/UL/QAR08.0003/06 valid up to 18/05/2018
9	Intrinsically safe barrier	IECEX ITS 16.0040U Issue No. 0 dated 05/05/2016	Ex ia IIC	IEC 60079-0: 2011 IEC 60079-11: 2011	GB/ITS/QAR14.0026/00 valid up to 17/11/2017
10	Keypad SA2992-ZZ	IECEX ITS 16.0051X Issue No. 0 dated 31/01/2017	Ex ia IIC T4 Ga	IEC 60079-0: 2011 IEC 60079-11: 2011	GB/ITS/QAR14.0026/00 valid up to 17/11/2017
11	Empty flameproof enclosure-XJ series	IECEX UL 13.0039U Issue No. 1 dated 18/03/2015	Ex d IIB+H2 Gb	IEC 60079-0: 2011 IEC 60079-1: 2007-04	US/ETL/QAR11.0002/02 valid up to 20/08/2017
12	Three pieces connection fittings series R, B and RB	IECEX CES 10.0002U Issue No. 1 dated 21/08/2014	Ex d IIB Gb IIC for R only	IEC 60079-0: 2011 IEC 60079-1: 2007-04	IT/CES/QAR06.0002/11 valid up to 20/01/2018
13	Magnetic head	IECEX LCI 07.0015X Issue No. 9 dated 31/05/2016	Ex d IIC Gb	IEC 60079-0: 2011 IEC 60079-1: 2007-04	GB/SIR/QAR07.0041/06 valid up to 14/07/2019
14	Conduit fittings and adaptors	IECEX ITS 09.0024U Issue No. 2 dated 22/04/2014	Ex d IIC	IEC 60079-0: 2011 IEC 60079-1: 2007-04	US/UL/QAR07.0004/08 valid up to 09/02/2019