



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/HQ/MH/104/3594(P340182)
Email :explosives@explosives.gov.in
Phone/Fax No.2510248/2510577
Dated : 26/8/2014

To
M/s. Measurement Technology Ltd.,
Great Marlings, Butterfield,
Luton, Bedfordshire, LU2 8 DL.
U.K.

Sub:Approval of Intrinsically Safe electrical equipments -under Petroleum Rules, 2002.

Dear Sir(s),

Please refer to letter No MTLC/CCOE/D/015 dated 18/04/2014 from M/s. MTL Instruments Pvt. Ltd., Chennai on the above subject.

The following Intrinsically Safe equipment(s) manufactured by you according to IEC 60079-0 : 2011 & IEC 60079-11 : 2011 standards and covered under SGS Baseefa Ltd., UK Test reports mentioned below are 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	MTL4541S, MTL4541T, MTL4544S & MTL4544D Repeater Power Supplies, 4/20mA.	[Ex ia Ga] IIC	P340182/1	SGS Baseefa Ltd., UK	IECEX BAS 09.0070 Issue 5 Dt.27/01/2014	As per Test Report
2	MTL4546 / MTL4546C / MTL4546Y / MTL4546S Single Channel Isolating Driver, 4/20mA for Smart I/P Converters.	[Ex ia Ga] IIC	P340182/2	SGS Baseefa Ltd., UK	IECEX BAS 06.0035 Issue No. 9 Dt.31/01/2013	As per Test Report
3	MTL4549, MTL4549C & MTL4549Y 2 Channel Isolating Driver, 4/20mA for Smart I/P Converters.	[Ex ia Ga] IIC	P340182/3	SGS Baseefa Ltd., UK	IECEX BAS 06.0036 Issue No.7 Dt.05/03/2014	As per Test Report
4	MTL4561 Two Channel Fire / Smoke Detector Interface.	[Ex ia Ga] IIC	P340182/4	SGS Baseefa Ltd., UK	IECEX BAS 09.0007 Issue No. 4 Dt.28/03/2014	As per Test Report
5	MTL4575 Temperature Converter.	[Ex ia Ga] IIC	P340182/5	SGS Baseefa Ltd., UK	IECEX BAS 06.0051 Issue No. 6 Dt.28/03/2014	As per Test Report
6	4576 Two Channel & MTL4575B Single Channel	[Ex ia Ga] IIC	P340182/6	SGS Baseefa	IECEX BAS 09.0042 Issue No. 3	As per Test Report

	Temperature Converter.			Ltd., UK	Dt.28/03/2014	Report
7	MTL4581 Millivolt / Thermocouple Isolator.	[Ex ia Ga] IIC	P340182/7	SGS Baseefa Ltd., UK	IECEX BAS 11.0024 Issue NO. 2 Dt.28/03/2014	As per Test Report
8	MTL5501-SR Failsafe Switch / Proximity Detector Interface.	[Ex ia Ga] IIC	P340182/8	SGS Baseefa Ltd., UK	IECEX BAS 08.0032 Issue No. 3 Dt.28/03/2014	As per Test Report
9	MTL5510 / MTL5510B / MTL5513 Switch / Proximity Detector Interface.	[Ex ia Ga] IIC	P340182/9	SGS Baseefa Ltd., UK	IECEX BAS 07.0066 Issue No. 3 Dt.05/03/2014	As per Test Report
10	MTL5511 / MTL5514 /MTL5516C / MTL5517 Switch / Proximity Detector Interface.	[Ex ia Ga] IIC	P340182/10	SGS Baseefa Ltd., UK	IECEX BAS 07.0067 Issue No. 6 Dt.28/03/2014	As per Test Report
11	MTL5514D Single Channel Switch / Proximity Detector Interface with Dual Output, Line Fault Detection & Phase Reversal.	[Ex ia Ga] IIC	P340182/11	SGS Baseefa Ltd., UK	IECEX BAS 13.0124 Issue NO. 0 Dt.08/01/2014	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 SGS Baseefa Ltd., 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 SGS Baseefa Ltd., 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 SGS Baseefa Ltd., UK test report and is identical with the one tested and certified at SGS Baseefa Ltd., 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 SGS Baseefa Ltd., 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. MTL Instruments Pvt. Ltd., No. 3, Old Mahabalipuram Road, Sholinganallur, Chennai, CHENNAI (Dist.), Tamil Nadu (State)

This Approval also covers the permissible variation as approved under the SGS Baseefa Ltd., 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,



(V. B. MINJ)
Controller of Explosives
for Chief Controller of Explosives
Nagpur

Copy to :

- 1.The Jt. Chief Controller of Explosives, South Circle, Chennai.
- 2.M/s. MTL Instruments Pvt. Ltd., No. 3, Old Mahabalipuram Road,
Sholinganallur,Chennai,Distt. CHENNAI(Tamil Nadu).

for Chief Controller of Explosives