



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

Approval No : A/P/HQ/TN/104/6347 (P564480)

Dated : 19/05/2023

To,

M/s. MTL INSTRUMENTS PRIVATE LIMITED,
PlotNo,3,
Old Mahabalipuram Road, Sholinganallur, CHENNAI,
Solinganallur,
Taluka: Chennai,
District: CHENNAI,
State: Tamil Nadu,
PIN: 600119

Sub : Approval of Intrinsically Safe Type Electrical Equipments under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN1347966** dated **03/05/2023** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IS/IEC 60079-0 2017, IS/IEC 60079-11 : 2011,** standards and covered under **Karandikar Laboratories Pvt Ltd** Test reports mentioned below is/are approved for use in of Gas **SafeArea** 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	MTL5541 Repeater Power Supply, 4/20mA for 2 or 3 wire transmitters	[Ex ia Ga] IIC (Approved for installation in non hazardous / safe area only)	P564480/1	Karandikar Laboratories Pvt Ltd	KLPL/Ex/23-007 Issue 0	17/01/2023	As per Test Report
2	MTL5546Y Single Channel Isolating Driver, 4/20mA for Smart I/P Converters	[Ex ia Ga] IIC (Approved for installation in non hazardous / safe area only)	P564480/2	Karandikar Laboratories Pvt Ltd	KLPL/Ex/23-008 Issue 0	17/01/2023	As per Test Report
3	MTL5501-SR Failsafe Switch/Proximity Detector Interface	[Ex ia Ga] IIC (Approved for installation	P564480/3	Karandikar Laboratories Pvt Ltd	KLPL/Ex/23-009 Issue 0	17/01/2023	As per Test Report

		in non hazardous / safe area only)					
4	MTL5544 Repeater Power Supply, 4/20mA for 2 or 3 wire transmitters	[Ex ia Ga] IIC (Approved for installation in non hazardous / safe area only)	P564480/4	Karandikar Laboratories Pvt Ltd	KLPL/Ex/23-007 Issue 0	17/01/2023	As per Test Report
5	MTL5573 Temperature Converter	[Ex ia Ga] IIC (Approved for installation in non hazardous / safe area only)	P564480/5	Karandikar Laboratories Pvt Ltd	KLPL/Ex/23-012 Issue 0	17/01/2023	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 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.

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 **31/12/2027**

Yours faithfully,

(K. Thiagarajan)
Jt. Chief Controller of Explosives
For Chief Controller of Explosives
Nagpur

Copy to :

1. Jt. Chief Controller of Explosives, South Circle Office, CHENNAI

for Chief Controller of Explosives
Nagpur

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

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