



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/104/2910(P313248)

Email :explosives@explosives.gov.in

Phone/Fax No.2510248/2510577

Dated : 5/4/2013

To  
M/s. MTL Instruments Pvt. Ltd.  
No.3 , Old Mahabalipuram Road  
Sholinganallur  
Chennai-600119  
CHENNAI (District)  
Tamil Nadu (State)

**Sub:**Approval of Intrinsically Safe type MTL 7700 Series Shunt Zener Diode Barriers under Petroleum Rules,2002.

Dear Sir(s),

Please refer to your letter No MTLB/CCOE/VD/923 dated 03/12/2012 on the above subject.

The following Intrinsically Safe equipment(s) manufactured by you according to IS/ IEC 60079-0 : 2004, IS/IEC 60079-11:2006 & IS/IEC 60529:2001 standards and covered under Karandikar Laboratories Pvt. Ltd., Boisar(E) Thane 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 Number
1	MTL 7700 Series Shunt Zener Diode Barriers Type MTL 7707+, MTL7728+/- /ac & MTL7787+/-	[Ex ia] IIC	P313248/1	Karandikar Laboratories Pvt. Ltd., Boisar(E) Thane	KLPL/Ex/12-69 Dt.27/11/2012	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 Karandikar Laboratories Pvt. Ltd., Boisar(E) Thane 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 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., Boisar(E) Thane applicable to the equipment.
  - (d) CCEs Identification Number of this letter by which use of apparatus is approved.

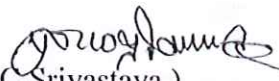
- 4). A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the Karandikar Laboratories Pvt. Ltd., Boisar(E) Thane Test report and is identical with the one tested and certified at Karandikar Laboratories Pvt. Ltd., Boisar(E) Thane 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., Boisar(E) Thane in their test reports and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its Intrinsically 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., Boisar(E) Thane test reports referred to 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.

The Approval otherwise is valid for a period of five years from the date of issue

Yours faithfully,

  
(P C Srivastava)

Joint Chief 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.

for Chief Controller of Explosives