



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/104/5954 (P500634)

Dated : 11/03/2021

To,

M/s. Eaton Electric Limited,
Great Marlings, Butterfield, Bedfordshire, Luton
LU2 8DL
UK

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

Sir(s),

Please refer to your letter No. **OIN745403** dated **15/02/2021** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **EN 60079-0: 2018, EN 60079-11 : 2012**, standards and covered under **SGS Baseefa Limited / SGS Baseefa Limited** Test reports mentioned below is/are approved for use in **Zone 2** 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	MTL7710P+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/1	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
2	MTL7722+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/2	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
3	MTL7728- Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/3	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
4	MTL7710- Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/4	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
5	MTL7715+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/5	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
6	MTL7764+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/6	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
7	MTL7715P+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/7	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
8	MTL7787- Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/8	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	

9	MTL7722- Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/9	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
10	MTL7728+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/10	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
11	MTL7728ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/11	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
12	MTL7741 Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/12	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
13	MTL7743 Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/13	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
14	MTL7745 Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/14	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
15	MTL7756ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/15	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
16	MTL7758+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/16	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
17	MTL7760ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/17	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
18	MTL7761ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/18	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
19	MTL7764- Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/19	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
20	MTL7765ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/20	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
21	MTL7766ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/21	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
22	MTL7767+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/22	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
23	MTL7768+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/23	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
24	MTL7789+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/24	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
25	MTL7796+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/25	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
26	MTL7728P+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/26	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
27	MTL7751ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/27	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
28	MTL7761Pac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/28	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	

29	MTL7764ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/29	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
30	MTL7766Pac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/30	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
31	MTL7788R+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/31	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
32	MTL7706+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/32	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
33	MTL7772ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/33	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
34	MTL7779+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/34	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
35	MTL7787+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/35	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
36	MTL7787P+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/36	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
37	MTL7788+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/37	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
38	MTL7710+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/38	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
39	MTL7778ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/39	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
40	MTL7707+ Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/40	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
41	MTL7742 Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/41	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
42	MTL7744 Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/42	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
43	MTL7755ac Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/43	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
44	MTL7758- Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/44	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	
45	MTL7796- Shunt Zener Diode Barrier	[Ex ia Ga] IIC	P500634/45	SGS Baseefa Limited	BAS01ATEX7217 - Issue 10	26/09/2018	

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 Limited / SGS Baseefa Limited 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 Limited / SGS Baseefa Limited 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 Limited / SGS Baseefa Limited Test report and is identical with the one tested and certified at SGS Baseefa Limited / SGS Baseefa Limited 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 Limited / SGS Baseefa Limited 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 MTL Instruments Private Limited, 3, Old Mahabalipuram Road, Sholinganallur, Chennai - 600119

This approval also covers the permissible variations as approved under the SGS Baseefa Limited / SGS Baseefa Limited 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 **31/12/2025**

Yours faithfully,

(K Srinivasa Rao)
Controller of Explosives
For Chief Controller of Explosives
Nagpur

Copy to :

1. Jt. Chief Controller of Explosives, South Circle Office, CHENNAI
2. MTL Instruments Private Limited,3, Old Mahabalipuram Road, Sholinganallur, Chennai - 600119

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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