



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/HN/104/5689 (P517044)

Dated : 28/10/2021

To,

M/s. ABB India Limited,
PlotNo,32,
32, Industrial Area, NIT, Faridabad,
Faridabad,
Taluka: Faridabad,
District: FARIDABAD,
State: Haryana,
PIN: 121001

Sub : Approval of Flame Proof Type Electrical Equipments under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN890514** dated **03/10/2021** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IS/IEC 60079-0 2017, IS/IEC 60079-1 : 2014**, standards and covered under **Karandikar Laboratories Pvt. Ltd.** Test reports mentioned below is/are approved for use in **Zone 1, Zone 2** of Gas **IIB/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	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP90 Series	Ex db IIB or IIC T6-T3 Gb	P517044/1	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-057X Issue No. 00	22/06/2021	3GZH101709-2 Rev A
2	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP80 Series	Ex db IIB or IIC T6-T3 Gb	P517044/2	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-062X Issue No. 00	24/06/2021	3GZH101708-4 Rev A
3	Three Phase A.C. Squirrel	Ex db IIB or IIC T5-T3 Gb	P517044/3	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-059X Issue No. 00	24/06/2021	3GZH101711-3 Rev A

	Cage Induction Motor, M2JAP112 Series						
4	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP180 Series	Ex db IIB or IIC T5-T3 Gb	P517044/4	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-050X Issue No. 00	13/06/2021	3GZH101718-18 Rev A
5	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP200 Series	Ex db IIB or IIC T6-T3 Gb	P517044/5	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-052X Issue No. 00	15/06/2021	3GZH101720-30 Rev A
6	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP225 Series	Ex db IIB or IIC T4-T3 Gb	P517044/6	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-053X Issue No. 00	17/06/2021	3GZH101722-28 Rev A
7	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP100 Series	Ex db IIB or IIC T5-T3 Gb	P517044/7	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-058X Issue No. 00	22/06/2021	3GZH101710-14 Rev A
8	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP132 Series	Ex db IIB or IIC T5-T3 Gb	P517044/8	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-061X Issue No. 00	24/06/2021	3GZH101713-2 Rev A
9	Three Phase A.C. Squirrel Cage Induction Motor,	Ex db IIB or IIC T6-T3 Gb	P517044/9	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-051X Issue No. 00	13/06/2021	3GZH101716-38 Rev A

	M2JAP160 Series						
10	Three Phase A.C. Squirrel Cage Induction Motor, M2JAP250 Series	Ex db IIB or IIC T6-T3 Gb	P517044/10	Karandikar Laboratories Pvt. Ltd.	KLPL/Ex/21-054X Issue No. 00	21/06/2021	3GZH101725-22 Rev A

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 **31/12/2025**

Yours faithfully,

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

Copy to :

1. Jt. Chief Controller of Explosives, North Circle, FARIDABAD

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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