



REF:INABB:STATUT:LODR:PRESS REL:

January 5, 2022

BSE Limited  
P.J. Towers  
Dalal Street  
Mumbai 400 001  
**(Attn : DCS CRD)**

National Stock Exchange of India Ltd  
Exchange Plaza, 5<sup>th</sup> Floor  
Plot No. C/1, G Block  
Bandra-Kurla Complex, Bandra (E)  
Mumbai 400 051

Attn: Listing Dept.

Dear Sirs

Sub: Press Release

We are sending herewith a copy of Press Release, which is being issued by the Company today to the media, for the information of the Stock Exchanges, as required under the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015.

Thanking you

Yours faithfully  
For ABB India Limited

Trivikram Guda  
Company Secretary  
ACS 17685

Encl: as above

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BENGALURU, INDIA, JANUARY 5, 2022

## **ABB launches flameproof low voltage motors for explosive atmospheres**

- ABB's new range of low voltage flameproof motors are designed for safe use in applications in potentially explosive atmospheres
- The made-in-India motors are available in IE2 and IE3 efficiency classes and offered in small to mid (80- 250) frame size with output ranging from 0.18 – 55kW
- The motors are rated for ambient temperature between –20 °C and +45 °C and are PESO certified
- The digitally enabled motors offer the option for remote condition monitoring feature that can help in detecting potential asset disturbances and plan advance maintenance

ABB India has unveiled its new range of flameproof (FLP) motors that are safe choice for applications in potentially explosive environments. Manufactured at the company's Faridabad facility, these low voltage motors offer considerable benefits including low vibration levels with increased reliability for an extended lifetime, and reduced maintenance requirements for a lower cost of ownership.

The flameproof motors can operate reliably, withstanding extreme temperatures, corrosive dust and humidity. They comply with Indian and International Electrotechnical Commission (IEC) standards and the most demanding requirements of chemical, oil & gas industry and pharma. The motors have also been certified by Petroleum & Explosives Safety Organization (PESO), a nodal agency for regulating safety of hazardous substances such as explosives, compressed gases and petroleum.

### **Designed for enhanced safety, reliability and energy efficiency**

"With this launch, we have set a new benchmark for safety and energy efficiency in the flameproof market segment. Our locally manufactured motors are designed with improved safety features and ensure a more energy-efficient operation for customers in India," said Sanjeev Arora President, ABB Motion India.

ABB's low voltage flameproof motors have an advanced surface treatment that resists even extreme environmental conditions. The motors have a strong frame with integrated feet for rigidity and to ensure vibration-free operation with foot mounted applications. The machined surfaces which form the flame path are more stringent than required standards & thoroughly inspected and protected against any kind of even slightest damage, to ensure safe and reliable enclosure. There are also cast shrouds on the bolts which provide additional mechanical safety and protection.

In explosive atmospheres, it is crucial to ensure the safe use of electrical apparatus. The new FLP motors can withstand the pressure caused by an internal explosion without incurring any damage. They prevent flame propagation outside of the enclosure, and are certified for gas groups IIA, IIB and IIC. Designed in line with FLP motors manufactured at ABB's global factories, the new range of motors in India are offered to customers under high efficiency (IE2) and premium efficiency (IE3) classes.

## **Digital monitoring for advanced maintenance**

ABB offers a unique digital advantage in flameproof motors to make operations efficient, predictable and safe. Customers have the option to activate remote condition monitoring feature in their flameproof motors, with the help of ABB Ability™ smart sensors. The motors can be factory fitted with the sensors as an option. This feature provides meaningful information on motor condition and performance, enabling customers to put intelligence into their maintenance. They can plan maintenance according to actual needs rather than on the basis of time intervals or operating hours alone. This cuts maintenance costs and reduces or even eliminates unplanned stops.

**ABB** (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB's success is driven by about 105,000 talented employees in over 100 countries. [www.abb.com](http://www.abb.com)

**ABB Motion** keeps the world turning - while saving energy every day. We innovate and push the boundaries of technology to enable the low-carbon future for customers, industries and societies. With our digitally enabled drives, motors and services our customers and partners achieve better performance, safety and reliability. We offer a combination of domain expertise and technology to deliver the optimum drive and motor solution for a wide range of applications in all industrial segments. Through our global presence we are always close to serve our customers. Building on over 130 years of cumulative experience in electric powertrains, we learn and improve every day.

### **For more information please contact:**

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