



S-29020/82/181(3)/R/2007/EHQ

भारत सरकार/Government of India
श्रम एवं रोजगार विभाग
Ministry of Labour & Employment
खान सुरक्षा महाविभाग/
Directorate General of Mines Safety

Speed Post



No. 51/365 /EHQ, Dhanbad, dated 22-02-2017

From:
The Director General of Mines Safety
Director General of Mines Safety,
P.O. & Dist: Dhanbad - 826 016.

To
Shri Dils N. Bhawe
General Manager - Design & Dev. (Motors)
M/s. Bharat Bijlee Limited, No. 2, MIDC,
Thane-Belapur Road, Opposite Airoli Railway Station
Navi Mumbai-400 708.

Sub: Renewal of DGMS approval No. 543 of 2006 under Regulation 181 (3) of the Coal Mines Regulations, 1957 for flameproof squirrel cage induction motor rated at 30 KW, 550 V, 3 phase, 4 pole, 1465 RPM, 50 Hz in frame size MJ200 (IEC frame size-200L) manufactured by M/S Bharat Bijlee Ltd., Navi Mumbai conforming to IS/IEC 60079-1:2007 and IS/IEC 60079-0:2004 for use in belowground Coal Mines.

Ref: CIMFR test report Nos. CIMFR/TC/P/H575 dated 28.01.2011, CIMFR/TC/P/H719 dated 25.02.2011 and CIMFR/TC/S/H686 dated 25.02.2015.

IDENTIFICATION MARK
DGMS APPROVAL NO. 543 of 2006

Dear Sirs,

Please refer to your letter No. MID/DGMS/MJ200/CM/2015 dated 30.11.2015 and further correspondence thereupon the above subject.

Based on DGMS approval No. 543 of 2006 issued by this Directorate's letter No. 51/318/EHQ dated 24.03.2006, BIS Licence no. CM/L-0366/49 and above test report, under reference, I hereby renew the approval **upto 24.03.2021 from the date of expiry i.e. from 24.03.2016** for use belowground in Coal Mines, subject to compliance with conditions stipulated in the original approval as well as annexure enclosed with this renewal letter.

The application for renewal should be made at least **three (03) months** before the date of expiry of the approval.

Yours faithfully,


(Rahul Guha)

Director General of Mines Safety

Encl : Annexure

Annexure

DGMS approval No. 543 of 2006 renewed by this Directorate's letter No. 51/365 /EHQ dated 22-02-2017

Conditions for renewal of DGMS approval No. 543 of 2006 under Regulation 181 (3) of the Coal Mines Regulations, 1957 for flameproof squirrel cage induction motor rated at 30 KW, 550 V, 3 phase, 4 pole, 1465 RPM, 50 Hz in frame size MJ200 (IEC frame size-200L) manufactured by M/S Bharat Bijlee Ltd., Navi Mumbai conforming to IS/IEC 60079-1:2007 and IS/IEC 60079-0:2004 for use in belowground Coal Mines.

1. (i) Every unit shall carry conspicuously in a permanent manner the aforesaid identification mark, i.e. DGMS APPROVAL NO. 543 of 2006 renewed vide DGMS letter No. 51/365 /EHQ dated 22-02-2017

In addition, every unit shall also carry permanently this Directorate's approval mark as given below :



- (ii) The nameplate marking shall be in accordance with the applicable requirements of the relevant standards.
2. (a) The design of the electrical circuit shall not be changed without obtaining prior approval from this Directorate.
- (b) Conspicuous warning inscriptions against opening the cover of the main enclosure or of any apparatus which gives access to the flameproof enclosure on live parts or which is designed to receive cable attachment unless the supply to the unit is isolated at source, shall be affixed permanently on the respective part to ensure that all live parts within the unit are made dead and safe.
3. Spare parts shall be made readily available to the user as and when required for proper maintenance of the equipment.
4. (a) The customer shall be supplied the copy of this approval letter, the test report from the testing laboratory with the lab certified drawing, an extract of the condition & special conditions, maintenance schedule, if any, recommended by the testing laboratory in their test report(s) so as to maintain safety features of apparatus/equipment.
- (b) The customer shall also be provided a copy of factory test report along with drawings, instruction manual on the installation, operation and maintenance of the equipment and spares parts catalogue at the time of delivery of the equipment.
5. The user shall furnish the performance report of the equipment directly to this Directorate after one (01) year of actual use.
6. Any modification to the equipment that might be considered necessary at a later date shall be effected upon being so directed by this Directorate.

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23/02/2017

7. An officer of this Directorate may at any time draw a sample either from the factory or from the user and get it tested at the cost of the manufacturer. If the test
8. If there occurs any revision of standards applicable to the product/equipment, the manufacturer shall get the product/equipment tested as per revised standards and submit test reports to the customer for information and to this Directorate for further approval/renewal.
9. The cable entry devices, threaded adaptors and stopping plugs shall be suitable for the equipment and be considered as a part of equipment (not a component). The cable entry device and cabling methods used shall be suitable for their intended duty and for the special type of cable used in mining. Such cable entry devices shall be duly certified as per relevant IS/IEC standards.
10. In case of any permissible variations issued from this Directorate, they shall also be read along with this letter and the original approval letter.
11. While seeking renewal of approval, valid BIS license in the case of Indian manufacturers and in case of foreign manufacturers, QAR/QAN as may be applicable shall be submitted.
12. The approval is renewed **upto 24.03.2021 from the date of expiry i.e. from 24.03.2016.**
13. In case of aluminium die-cast rotor of the motor, the rotor shall not be dismantled, assembled or kept exposed in the explosive gassy atmospheres to prevent incendive sparking. A caution plate "Aluminium Die-Cast Rotor: Not to be dismantled, assembled or kept exposed in explosive gas atmosphere" shall be provided at conspicuous place without affecting flameproof features of the motor, indicating that the motor is having aluminium die-cast rotor. Operation & maintenance manual of the motor shall also indicate the danger for aluminium die cast rotor due to incendive sparking.
14. The equipment manufactured subsequently shall be identical to the proto type tested at CIMFR vide test report No. CIMFR/TC/P/H675 dated 28.01.2011, CIMFR/TC/P/H/19 dated 25.02.2011 and CIMFR/TC/S/H686 dated 25.02.2015...
15. At the time of applying for renewal, details of supply with name of mines, purchase order and date shall be furnished with the application.
16. If at any time any of the conditions subject to which this approval has been granted, is violated or not complied with, this approval shall be deemed to have been revoked with immediate effect.
17. The above approval may be amended or withdrawn at any time, if considered so necessary in the interest of safety and is being issued without prejudice to any other provisions of law which may be or may become applicable at any time.

(Rahul Gupta)

Director General of Mines Safety