

<p>Project title:</p> <p>Assessment and Technical Advice on Surface Temperature Rise and Classification and Overpressure of Flameproof Motor Rated 1HP/4P, Frame Size: 80FLP IF3, Rated 2HP/4P, Frame Size: 90S/L FLP IE3 and Rated 20HP/4P, Frame Size: 160M/L FLP IE3 For use in Hazardous Area of M/s. HEM Industries, Mumbai.</p> <p>Project No.:</p> <p>SSP/446/2019-20</p>	<p>Executive Summary:</p> <p>CSIR-CIMFR has undertaken the project of evaluation studies for the conformity of three no's of flameproof motors with respect to the assessment of its temperature classification and overpressure at M/s HEM INDUSTRIES, DAMAN (U.T)- 396210 for the period 09-10 January, 2020. The surface temperature classification of three no's of flameproof Ex'd' motor is evaluated as 'T6' at 40⁰C ambient maximum for rated (i). 1HP/4P in frame size 80FLP, bearing Sr. No.: 80363221; (ii). 2HP/4P in frame size 90L FLP, bearing Sr. No.: 80363171; (iii). 20HP/4P in frame size 160L FLP, bearing Sr. No.: 80364038. The housing of aforesaid motors was also withstood to the hydraulic over-pressure applied into flameproof motor and it complies. It is certified that the requirements of temperature classification (based on maximum surface temperature rise) and overpressure of flameproof motor have been found to comply with the relevant standards.</p>
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