

BMW Twin power TURBO IN-LINE 4-CYLINDER ENGINE sponsored to college By BMW Chennai

BMW has chosen Matrusri Engineering College (as a learning resource centre) to be a part of their 'BMW SKILL NEXT', a technical skilling initiative by BMW Group India that aims to enhance the understanding of automotive technology

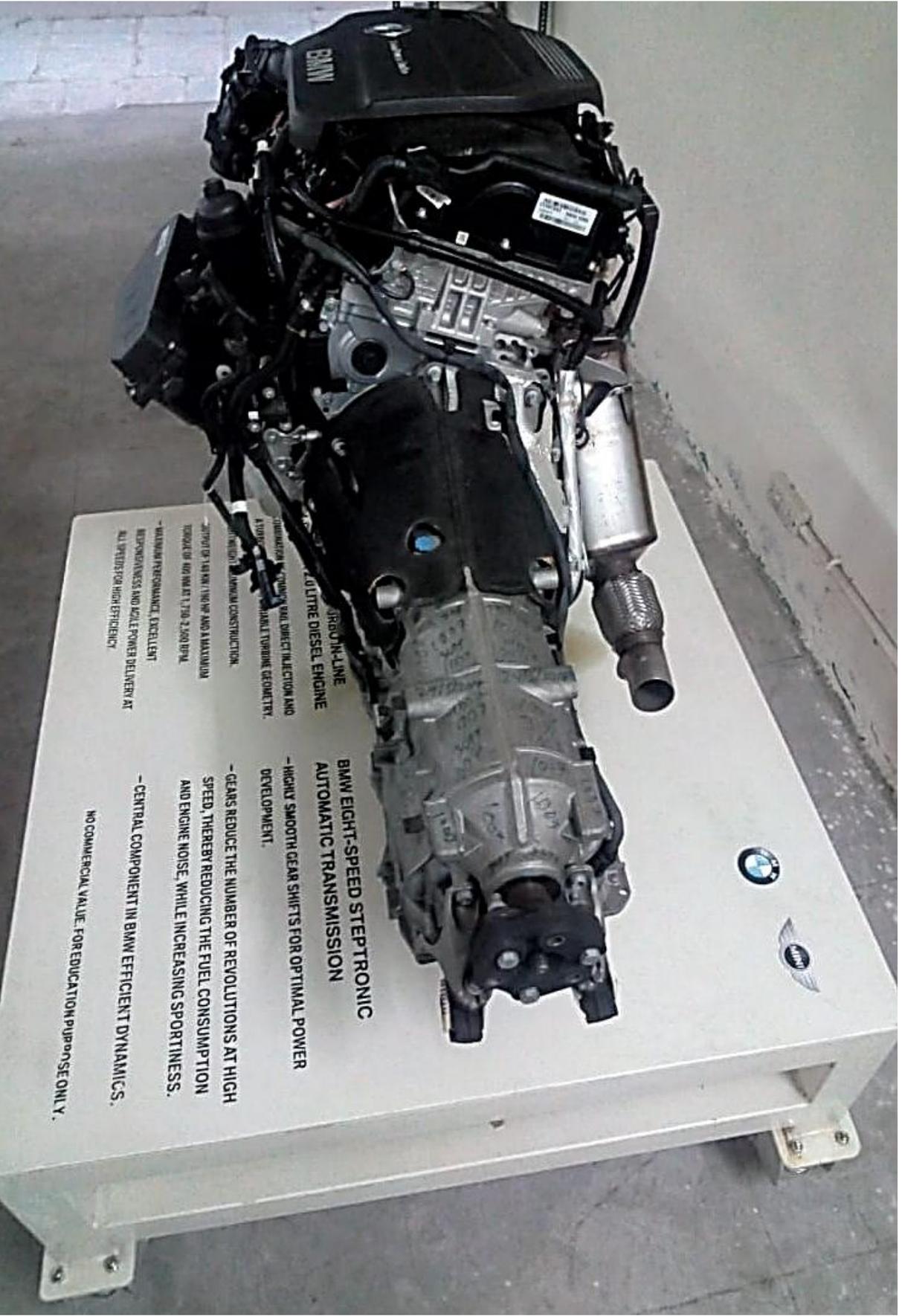
The engine sponsored to the college by BMW for educational purpose is BMW Twin power TURBO IN-LINE 4-CYLINDER 2.0 LITRE DIESEL ENGINE. **BMW Twin Power Turbo** technology forms the centrepiece of every **BMW**. They combine the latest injection systems, fully variable performance control and innovative **turbocharger** technology. Efficiency and driving pleasure are the driving force of **BMW Twin Power Turbo** Engines

The engine provides output of 140KW/ 190HP and a maximum torque of 400NM at 1750-2300RPM. Its features are Maximum performance, excellent responsiveness, and agile power delivery at all speeds for high efficiency and has eight speed step tronic automatic transmission and highly smooth gear shifts for optimal power development and noise reduction

Diesel engines

Model	Years	Engine	Power	Torque	0-100 km/h
620d	2018	B47D20 2.0 L I4 turbo	140 kW (188 hp) @ 4,000 rpm	400 N·m (295 lb·ft) @ 1,750–2,500 rpm	7.9 s





**3.0D IN-LINE
6-CYLINDER DIESEL ENGINE**
COMMON RAIL DIRECT INJECTION AND
4-STAGE CATALYTIC CONVERTER GEOMETRY,
OPTIMIZED INTERNAL CONSTRUCTION.
- APPROX. 141 kW (190 HP) AND A MAXIMUM
TORQUE OF 407 Nm AT 1750-2500 RPM
- MAXIMUM PERFORMANCE, EXCELLENT
RESPONSIVENESS AND FUEL POWER DELIVERY AT
ALL SPEEDS FOR HIGH EFFICIENCY

**BMW EIGHT-SPEED STEPTRONIC
AUTOMATIC TRANSMISSION**
- HIGHLY SMOOTH GEAR SHIFTS FOR OPTIMAL POWER
DEVELOPMENT.
- GEARS REDUCE THE NUMBER OF REVOLUTIONS AT HIGH
SPEED, THEREBY REDUCING THE FUEL CONSUMPTION
AND ENGINE NOISE, WHILE INCREASING SPORTINESS.
- CENTRAL COMPONENT IN BMW EFFICIENT DYNAMICS.
NO COMMERCIAL VALUE, FOR EDUCATION PURPOSES ONLY.