

TECHNICAL SPECIFICATION & SCOPE OF SUPPLY

FOR AUTOMOTIVE DIESEL FUEL

1.0 Requirement and details of Automotive Diesel Fuel: -

- 1.1 Supply of Automotive Diesel Fuel of Bharat Stage VI (BS VI) in tankers/Bowsers.
- 1.2 Technical Specification : Automotive Diesel Fuel of Bharat Stage VI (BS VI) in tankers/Bowsers as per IS 1460:2017. If any change in the IS standard of Diesel is done by the Government of India, then the quality of the Diesel for the supply shall be as per the latest IS standard accordingly.
- 1.3 Quantity : 12 KL ($\pm 10\%$) to be delivered within 30 days of PO Placement.
- 1.4 Valid calibration certificates: Tanker/Bowser must have a valid calibration certificate of the Dipstick or the dispensing unit whichever is used to assess the quantity of Diesel supplied issued by the Weights & Measures Department of Government.

2.0 Inspection & Quality

- 2.1 Inspection of the material will be done at BHEL works and the same shall be acceptable to the supplier, however, BHEL may inspect material at the source also.
- 2.2 The product compliance certificate shall be submitted by the supplier whenever required.

3.0 Transportation

- 3.1 Transportation of Diesel is in the scope of the supplier through their approved tankers/bowsers on HESG basis FOR BHEL Bhopal. Locking and sealing arrangement on top covers and outlet valves of the Diesel tankers shall be done by the supplier as per the locking arrangement being done by oil companies to ensure the Quality & Quantity of Diesel received at BHEL.
- 3.2 Supplier shall ensure compliance with the requirements as per the Motor Vehicles Act 1988 or its latest amendments.


4.0 Delivery


- 4.1 The supplier has to deliver the full quantity within 30 days of PO Placement.

5.0 Price variation clause

- 5.1 The price of Diesel changes every fortnight by MoPNG. The price prevailing at the time of dispatch shall be applicable.
- 5.2 (a) Vendor has to quote the Price for the First Fortnight of June 2025 in the Price bid.
(b) The Freight and the discount quoted by the supplier shall remain fixed for the entire supply period.
(c) Price breakup has to be endorsed by OEM on their letterhead and the same shall be submitted by the supplier along with the supply and invoice.

Note:- Vendor should submit the confirmation and acceptance of the above points (from 1 to 5) by submitting the signed & sealed copy of the above specification sheet along with the technical bid. If required separate sheet may be attached for further detailing/deviation.

	<h1 style="margin: 0;">CORPORATE PURCHASING SPECIFICATION</h1>	<div style="border-bottom: 1px solid black; padding-bottom: 2px;">AA57810</div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">Rev No. 01</div> <div style="padding-bottom: 2px;">PAGE 1 of 2</div>
<h2 style="margin: 0;">AUTOMOTIVE DIESEL FUEL - EURO IV / BS IV</h2>		
<p>1 GENERAL</p> <p>The material shall be hydrocarbon oils derived from petroleum with which small amounts of hydro carbon or non-hydro carbon additives may have been incorporated to improve ignition or other characteristics. The material shall be free from grit, suspended matter and other invisible impurities. The approximate calorific value of the fuel may be order of 10,500 kcal/kg.</p>		
<p>2 COMPLIANCE WITH NATIONAL STANDARDS</p> <p>The diesel oil shall comply with the requirements of the following national standards and also meet the requirements of this specification:</p> <p>IS 1460 : 2017, Gr: Euro IV / Bharath Stage IV: Automotive Diesel Fuels – Specification.</p>		
<p>3 TEST SAMPLES</p> <p>Representative samples shall be as per IS 1447</p>		
<p>4 CHEMICAL PROPERTIES</p> <p>When tested in accordance with the relevant parts of IS 1448 shown against each, the material shall show the following properties:</p>		
<p>4.1 Inorganic Acidity Nil.</p>		
<p>4.2 Total Acidity 0.20 mg of KOH/g, Max</p>		
<p>4.3 Ash (IS 1448 : Part 4) 0.01 % by mass, max.</p>		
<p>4.4 Pour Point (IS 1448 : Part 10) 3°C, max. in winter and 15°C, max. in summer</p>		
<p>4.5 Copper Strip Corrosion (IS 1448 : Part 15) Not worse than No. 1 at 50°C for 3 hours.</p>		
<p>4.6 Distillation (IS 1448 : Part 18) 95% by volume recovery at 360°C, Max.</p>		
<p>4.7 Flash Point (Abel) (IS 1448 : Part 20) 35°C, min.</p>		
<p>4.8 Kinematic Viscosity (IS 1448 : Part 25) 2.0 to 4.5 cSt at 40°C.</p>		
Revisions: Clause 2, 4.2, 4.6, 4.10 and 7		APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(CPO+NM)
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4.9 Water Content (ISO 12937)
200 mg/kg, max.

4.10 Density at 15°C (IS 1448 : Part 16/32)
815 – 845 kg/m³

5 TYPE TESTS:

5.1 Carbon Residue (Ramsbottom) (IS 1448 : Part 8)
0.3% by mass, max.

5.2 Cetane Number (IS 1448 : Part 9)
51 min.

5.3 Total Sulphur (IS 1448 : Part 34/83)
50 mg/kg.

6 TEST CERTIFICATES

Three copies of test certificates shall be supplied along with each consignment. In addition, the supplier shall ensure to send one copy of the test certificate along with each consignment for quick clearance of material.

7 PACKING & MARKING

As per clause 5 of IS 1460

8 ENVIRONMENTAL REQUIREMENTS

The supplier shall furnish Material Safety Data Sheet (**MSDS**) covering all information relating to human safety and environmental impacts of the hazardous materials particularly during their transportation, storage, handling and disposal along with each supply.

Each container shall be marked with corresponding symbol and minimum worded cautionary notice for flammable / corrosive / toxic / harmful / irritant and oxidizing etc. as applicable

9 REFERRED STANDARDS (Latest Publications Including Amendments)

- 1) IS: 1447
- 2) ISO 12937
- 3) IS 1448 : Part 4
- 4) IS 1448 : Part 10
- 5) IS 1448 : Part 15
- 6) IS 1448 : Part 18
- 7) IS 1448 : Part 20
- 8) IS 1448 : Part 25
- 9) IS 1448 : Part 16
- 10) IS 1448 : Part 32
- 11) IS 1448 : Part 8
- 12) IS 1448 : Part 9
- 13) IS 1448 : Part 34
- 14) IS 1448 : Part 83