National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL LABORATORY (ER) , INDIAN OIL CORPORATION LTD. (MD), 51, JESSORE ROAD, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 27/01/2022 to 26/01/2024 **Last Amended on** 24/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Particulate Contaminant in ATF	IP 216
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Kerosene, Jet A-1	Flash Point(Abel)	IS 1448: PART-20
3	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Jet A-1	Existent Gum	ASTM D 381
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD	Cold Filter Plugging Point	ASTM D 6371
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD	Cold Filter Plugging Point	IS: 1448 P 110
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Light Diesel Oil	Pour Point	IS 1448: PART-10
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Light Diesel Oil	Pour Point	ISO 3016
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Fuel Oil, Light Diesel Oil	Pour Point	ASTM D 97
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD,	Cetane Index Calculated	ASTM D4737
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Fuel Oil, Kerosene Oil, Light Diesel Oil	Acid Number by Color-Indicator Titration1	ASTM D 974
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Fuel Oil, Light Diesel Oil, Biodiesel	Flash Point (PMCC)	IS 1448 P21
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Fuel Oil, Light Diesel Oil, Biodiesel	Flash Point (PMCC)	ISO 2719
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Fuel Oil, Light Diesel Oil, Biodiesel	Flash Point(PMCC)	ASTM D 93
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Light Diesel Oil	Carbon residue by RamsBottom	IS 1448: P 8
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Light Diesel Oil	Carbon residue by RamsBottom	ASTM D 524
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Light Diesel Oil, Biodiesel	Kinematic Viscosity at 40°C	ASTM D445
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Light Diesel Oil, Biodiesel	Kinematic Viscosity at 40°C	IS 1448 P-25
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, HFHSD, Light Diesel Oil, Biodiesel	Kinematic Viscosity at 40°C	ISO 3104

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Kerosene, Jet A-1	Flash Point(Abel)	IP 170
20	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Jet A-1	Existent Gum	IS 1448: PART 29
21	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Jet A-1	Aniline Point	ASTM D 611
22	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Jet A-1	Aniline Point	IS 1448: P 3
23	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Jet A-1	Water Reaction	ASTM D 1094
24	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Jet A-1	Water Reaction	IS 1448: PART42
25	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline	Vapour Pressure By Reid	ASTM D 323
26	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline	Vapour Pressure By Reid	IS 1448: PART-39
27	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation gasoline, Motor Gasoline, Jet A-1	Distillation (% loss)	IS 1448: P 18
28	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation gasoline, Motor Gasoline, Jet A-1	Distillations (% Loss)	ASTM D 86
29	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Automotive Diesel Fuel	Colour (visual)	Visual
30	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (IBP)	IS 1448: P 18
31	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Final Boiling Point)	IS 1448: P 18
32	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Recovery at Temperature , % by Vol.)	ASTM D86
33	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Recovery at Temperature , % by Vol.)	IS 1448: P 18
34	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Residue)	IS 1448 P18
35	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Temperature at % fuel evaporated)	ASTM D 86
36	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Temperature at % fuel evaporated)	IS 1448: P 18
37	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Final Boiling Point)	ASTM D86

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Initial Boiling Point)	ASTM D 86
39	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD	Distillation (Residue)	ASTM D 86
40	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, Jet A-1, Automotive Diesel Fuel, HFHSD, Light Diesel Oil	Copper Strip Corrosion	ASTM D 130
41	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline, Motor Gasoline, Kerosene, JetA-1, Automotive Diesel Fuel, HFHSD, Light Diesel Oil	Copper strip corrosion	IS 1448: PART-15
42	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Fuel, HFHSD, Biodiesel, Jet A-1	Colour (ASTM)	ASTM D1500
43	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Fuel, HFHSD, Biodiesel, Jet A-1	Colour (ASTM)	IS 1448: PART:12
44	CHEMICAL- PETROLEUM AND PRODUCTS	Effluent water	Oil & Grease content	IS 1448: PART: 3025 -39
45	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	CCAI (Calculated Carbon Aromaticity Index	ISO 8217 - Annexure F:
46	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Gross Calorific value	IS 1448: P 7
47	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Kinematic Viscosity at 50°C	ASTM D 445
48	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Kinematic Viscosity at 50°C	IS 1448 P-25
49	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Kinematic Viscosity at 50°C	ISO 3104
50	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil , Light Diesel Oil	Sediment by extraction	ASTM D 473
51	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Light Diesel Oil	Sediment by extraction	IS 1448 P 30
52	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Light Diesel Oil	Water Content by Dean Stark Method	ASTM D 82
53	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Light Diesel Oil	Water Content by Dean Stark Method	IS 1448: PART-40
54	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Light Diesel oil , Automotive Diesel Fuel, HFHSD	Ash Content	IS:1448 (P:4)
55	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Light Diesel oil, Automotive Diesel Fuel, HFHSD	Ash Content	ASTM D 482
56	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Microbiological Test	IP 385

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Doctor test	ASTM D 4952
58	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Doctor Test	IS 1448: PART 19
59	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Kinematic Viscosity at -20°C	ASTM D 445
60	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Kinematic Viscosity at -20°C	IS 1448 P25
61	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Kinematic Viscosity at -20°C	ISO 3104
62	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Mercaptan Sulphur	ASTM D 3227
63	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Mercaptan Sulphur	IS 1448: PART 109
64	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Naphthalene Content	ASTM D 1840
65	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Naphthalene Content	IS 1448: P 118
66	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Particulate Contaminant in ATF	ASTM D 2276
67	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	Silver strip corrosion	Annex B of 1571(IP227:1999):
68	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Specific Energy	ASTM D 3338
69	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Total Acidity	ASTM D 3242
70	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Total Acidity	IS 1448 P113
71	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Aviation Gasoline	Electrical Conductivity	ISO 6297
72	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Aviation gasoline	Freezing Point	ASTM D 2386
73	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Aviation Gasoline	Freezing Point	IS 1448 P11
74	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Aviation Gasoline, Motor Gasoline, Kerosene, Automotive Diesel Fuel, HFHSD, Biodiesel, PBM, Fuel Oil, Light Diesel Oil	Density by Hydrometer	IS 1448: PART-16

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75	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Kerosene	Smoke Point	ASTM D 1322
76	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Kerosene	Smoke Point	IS 1448: PART 31
77	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Kerosene	Smoke Point	ISO 3014
78	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1, Motor Gasoline	Determination of Hydrocarbon Type : Aromatics	IS 1448: PART-23
79	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1,Aviation Gasoline, Motor Gasoline, Kerosene, Automotive Diesel Fuel, HFHSD, Biodiesel, Ethanol	Appearance	Visual
80	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1,Aviation Gasoline, Motor Gasoline, Kerosene, Automotive Diesel Fuel, HFHSD, Biodiesel, Fuel Oil, Light Diesel Oil	Total Sulphur	ASTM D 2622
81	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1,Aviation Gasoline, Motor Gasoline, Kerosene, Automotive Diesel Fuel, HFHSD, Biodiesel, Fuel Oil, Light Diesel Oil	Total Sulphur	ASTM D 4294
82	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1,Aviation Gasoline, Motor Gasoline, Kerosene, Automotive Diesel Fuel, HFHSD, Biodiesel, PBM, Fuel Oil, Light Diesel Oil	Density by Hydrometer	ASTM D 1298
83	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1,Aviation Gasoline, Motor Gasoline, Kerosene, Automotive Diesel Fuel, HFHSD, Biodiesel, PBM, Fuel Oil, Light Diesel Oil	Density by hydrometer	ISO 3675
84	CHEMICAL- PETROLEUM AND PRODUCTS	JetA-1, Aviation Gasoline	Electrical Conductivity	ASTM D2624
85	CHEMICAL- PETROLEUM AND PRODUCTS	Jeta-1, Motor Gasoline	Determination of Hydrocarbon Type : Aromatics	ASTM D 1319
86	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene Oil , JET A-1	Colour (saybolt)	IS 1448: PART:14
87	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil, JET A-1	Color (Saybolt)	ASTM D 156
88	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	ASTM D 381
89	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	IS 1448: PART 29
90	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline	RON	ASTM D 2699
91	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline	RON	IS 1448: PART-27

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92	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Automotive Diesel Fuel,	Total Sulphur	ISO 13032