National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD., QA LABORATORY, HALDIA, HALDIA COASTAL INSTALLATION, PATHIKALI, PO-DURGACHAK, HALDIA, MEDINIPUR EAST, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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- LUBRICANTS	LUBRICATING OIL	Appearance	SOP 09, Issue No. 2
2	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Colour ASTM	ASTM D-1500
3	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Colour ASTM	IS 1448 (P-12)
4	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Colour Visual	SOP 10, Issue No. 2
5	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Crackle Test	SOP-17, Issue No 2, Issue Date 01.01.2020
6	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Density	ASTM D1298: 2012B
7	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Density	IS 1448 (P-16)
8	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Flash Point (COC)	IS 1448 (P-69)
9	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Kinematic Viscosity at 100°C	ASTM D7042
10	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Kinematic Viscosity at 100°C	IS 1448 (P-25) / ASTM D445
11	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Kinematic Viscosity at 40°C	ASTM D7042
12	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Kinematic Viscosity at 40°C	IS 1448 (P-25) / ASTM D445
13	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Pour Point	ASTM D 97
14	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Pour Point	IS 1448 (P-10)
15	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Viscosity Index	ASTM D:2270:10
16	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Viscosity Index	IS 1448 (P-56)
17	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Water Content	ASTM D95
18	CHEMICAL- LUBRICANTS	LUBRICATING OIL	Water Content	IS 1448 (P-40)
19	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Distillation- Volume	ASTM D 86
20	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Appearance	SOP 09, Issue No. 2
21	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Calorific Value-Gross, kcal/kg	IS 1448 (P-7)
22	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Color Visual	SOP 10, Issue No. 2
23	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Density	ASTM D1298: 2012B
24	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Density	IS 1448 (P-16)
25	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Flash Point (PMCC)	ASTM D93

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26	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Flash Point (PMCC)	IS 1448 (P-21)
27	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Kinematic Viscosity at 50°C	ASTM D445
28	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Kinematic Viscosity at 50°C	IS 1448 (P-25)
29	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Pour Point	ASTM D 97-2017B
30	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Pour Point	IS 1448 (P-10)
31	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Sediments	IS 1448 (P-30)
32	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Total Sulphur	ASTM D 4294
33	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Water Content	ASTM D95
34	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	Water Content	IS 1448 (P-40)
35	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Appearance	SOP 09, Issue No. 2
36	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Cetane Index, (Calculated)	ASTM D-4737
37	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Colour Visual	SOP 10, Issue No. 2
38	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Copper Strip Corrosion for 3 hrs at 50 degC	ASTM D 130
39	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Copper Strip Corrosion for 3 hrs at 50 degC	IS 1448 (P-15)
40	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Density	ASTM D1298: 2012B
41	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Density	IS 1448 (P-16)
42	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Distillation - Temperature	IS 1448 (P-18)
43	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Distillation- Temperature	ASTM D 86
44	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Distillation- Volume	IS 1448 (P-18)

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45	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Flash Point (Abel)	IP 170
46	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Flash Point (Abel)	IS 1448 (P-20)
47	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Flash Point (PMCC)	ASTM D93
48	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Flash Point (PMCC)	IS 1448 (P-21)
49	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity, at 40°C	ASTM D445
50	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity, at 40°C	ASTM D7042
51	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity, at 40°C	IS 1448 (P-25)
52	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Pour Point	ASTM D 97
53	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Pour Point	IS 1448 (P-10)
54	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD) / High Flash High Speed Diesel (HFHSD)	Total Sulphur	ASTM D 5453
55	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Appearance	SOP 09, Issue No. 2
56	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Colour Saybolt	ASTM D 156
57	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Colour Saybolt	IS 1448 (P-14)
58	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Colour Visual	SOP 10, Issue No. 2
59	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Copper Strip Corrosion for 3 hrs at 50 degC	ASTM D 130
60	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Copper Strip Corrosion for 3 hrs at 50 degC	IS 1448 (P-15)
61	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Density	ASTM D1298: 2012B
62	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Density	IS 1448 (P-16)
63	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Distillation - Temperature	ASTM D 86

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64	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Distillation - Temperature	IS 1448 (P-18)
65	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Distillation- Volume	ASTM D 86
66	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Distillation- Volume	IS 1448 (P-18)
67	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Flash Point (Abel)	IP 170
68	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Flash Point (Abel)	IS 1448 (P-20)
69	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Smoke point	IS 1448 (P-31)
70	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Smoke point	ISO 3014
71	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Total Sulphur	ASTM D 4294
72	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene (SKO)	Total Sulphur	ASTM D 5453
73	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Appearance	SOP 09, Issue No. 2
74	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Color	SOP 10, Issue No. 2
75	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Density	ASTM D1298: 2012B
76	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Density	IS 1448 (P-16)
77	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Flash Point (Pensky Marten)	ASTM D93
78	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Flash Point (Pensky Marten)	IS 1448 (P-21)
79	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Kinematic Viscosity, at 40 °C	ASTM D445
80	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Kinematic Viscosity, at 40 °C	ASTM D7042
81	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Kinematic Viscosity, at 40 °C	IS 1448 (P-25)
82	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Pour Point	ASTM D 97

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83	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Pour Point	IS 1448 (P-10)
84	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Sediments	IS 1448 (P-30)
85	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Total Sulphur	ASTM D 4294
86	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Total Sulphur	ISO 20847
87	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Water Content	ASTM D95
88	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil (LDO)	Water Content	IS 1448 (P-40)
89	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Appearance	SOP 09, Issue No. 2
90	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Colour Visual	SOP 10, Issue No. 2
91	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Copper Strip Corrosion for 3 hrs at 50 degC	ASTM D 130
92	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Copper Strip Corrosion for 3 hrs at 50 degC	IS 1448 (P-15)
93	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Density	ASTM D1298: 2012B
94	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Density	IS 1448 (P-16)
95	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation - Temperature	ASTM D 86
96	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation - Temperature	IS 1448 (P-18)
97	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation - Volume; % Evaporated at 150°C	IS 1448 (P-18)
98	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation - Volume; % Evaporated at 100°C, v/v	ASTM D 86
99	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation - Volume; % Evaporated at 100°C, v/v	IS 1448 (P-18)
100	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation - Volume; % Evaporated at 150°C	ASTM D 86
101	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation- Volume % Evaporated at 70°C, v/v	IS 1448 (P-18)

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102	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Distillation- Volume % Evaporated at 70°C, v/v	ASTM D 86
103	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Ethanol Content	IS 17021 (Annex C)
104	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Ethanol Content	IS 2796 (Annex C)
105	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Gum Content (Solvent washed)	ASTM D 381
106	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Gum Content (Solvent washed)	IS 1448 (P-29)
107	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Gum Content (Unwashed)	ASTM D 381
108	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Gum Content (Unwashed)	IS 1448 (P-29)
109	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline / Motor Spirit (MS)	Total Sulphur	ASTM D 5453