

# PROFICIENCY TESTING SCHEMES 2023-24

## BHARAT PETROLEUM CORPORATION LIMITED



**MAHARATNA COMPANY**



BHARAT PETROLEUM CORPORATION LIMITED

**PT CO-ORDINATOR**

**PT & RMP Center**

**BHARAT PETROLEUM CORPORATION LIMITED**

*Black oil Installation, Sewree Fort Road*

*Sewree (East), Mumbai-400015*

+9122-24176325/6376 9596107012

[www.bharatpetroleum.com](http://www.bharatpetroleum.com)



*Energising lives.....*

## PROFICIENCY TESTING SCHEMES 2023-24

# BHARAT PETROLEUM CORPORATION LIMITED

### About Us:

Bharat Petroleum Corporation Limited (BPCL) is a Maharatna PSU under MOP&NG, Govt. of India. Also, BPCL is a Fortune 500 company which is also listed under Forbes 2000 listings, is currently organizing PT programs for the first time in the petroleum industry to cater to the needs of petroleum sector laboratories in the country and adjoining regions. BPCL Proficiency Testing is located at Sewree, Mumbai and specially established to support the demands of ISO/IEC 17025: 2017 accredited laboratories. BPCL has rich experience in conducting Inter Laboratory Programs for the past 12 years which was well received in the industry and BPCL Proficiency Testing successfully accredited as PT Provider under ISO/IEC: 17043:2010 by National Accreditation Board for Testing and Calibration Laboratories (NABL) is a Constituent Board of Quality Council of India **vide Certificate No PC- 1008.**

This accreditation was obtained with the following **objectives.**

- ☞ **To help the Laboratories to improve their proficiency level by**
  - Making the PT samples easily accessible
  - Providing samples at affordable cost
- ☞ **To avail the opportunity provided by NABL and to establish itself as a reliable PT provider in Southeast Asia.**

### What is PT?

Proficiency Testing is a tool for any participating lab to assess its own competency to perform specific tests or measurements.

Assessment of participant performance is done through inter laboratory comparison against **pre-established criteria.** It also helps the customers to understand lab's testing capability.

### Why go for BPCL Proficiency Testing?

Labs can avail the proficiency testing organized by BPCL and get following benefits.

- ☞ Gain easy access to the PT schemes accredited under ISO/IEC 17043:2010 within the country.
- ☞ Can regularly conform to the requirements prescribed by NABL as per ISO/IEC 17025:2017.
- ☞ Enjoy cost savings due to affordable pricing.
- ☞ Help instituting preventive action measures based on the outcome of PT values.

## PROFICIENCY TESTING SCHEMES 2023-24

### BHARAT PETROLEUM CORPORATION LIMITED

- ☞ Establishing their proficiency levels w.r.t test methods and procedures amongst the peer laboratories.
- ☞ Ensuring continuous improvement in the laboratory systems.
- ☞ Take steps for sustained staff development.
- ☞ Instilling confidence in all the stakeholders.
- ☞ Generating secondary reference materials.
- ☞ Validation of test results.
- ☞ Complying with regulators requirements and accreditation bodies.

#### Test Programs:

The Programs organized by BPCL include the petroleum products that are commonly tested by the fuel and oil testing laboratories. The PT accreditation covers the following fuels/lubricants and their variants.

1. Motor Gasoline
2. Diesel
3. Aviation Turbine Fuel
4. Fuel Oil
5. Lubricating oil

The PT sample is prepared in a rigorous and robust manner comprising the following major activities.

#### ☞ Sampling

- a. Identification and Selection of sample
- b. Testing for homogeneity
- c. Testing for stability
- d. Establishing assigned value
- e. Storage to ensure integrity.
- f. Packing and distribution

#### ☞ Analysis of Participant results

The test results received from the laboratories are analyzed statistically as per ISO/IEC 17043: 2010 and ISO/IEC 13528:2015. Evaluation is done for each test parameter and statistical analysis is performed to arrive at Robust Mean and Robust 'Z' score compilations.

## PROFICIENCY TESTING SCHEMES 2023-24

### BHARAT PETROLEUM CORPORATION LIMITED

#### 👉 Reports

Report containing details of the program, evaluation, laboratory performance would be prepared along with the summary indicating the lab's status amongst the participating laboratories and sent to the individual labs duly coded adhering to the required confidentiality norms.

#### 👉 Program Schedule:

The PT Calendar for 2023-24 is as under

Product	Test Parameter	Month of participation Registration	Month of Sample Testing
<b>Motor Gasoline</b>	Density, Distillation, Research Octane Number, Gum Content (Solvent washed), Total Sulphur, Aromatics content	June 2023	Aug 2023
<b>Aviation Turbine Fuel/ Jet Fuel</b>	Acidity, Aromatics Content, Colour (Saybolt), Density, Distillation, Existent Gum, Flash Point (Abel), Kinematic Viscosity at -20°C, Naphthalene Content, Smoke Point, Sulphur & Freezing Point	Aug 2023	Oct 2023
<b>Lubricating Oil</b>	Density, Kinematic Viscosity at 40/100°C, Viscosity Index, Flash Point (PMCC/COC), Total Acid Number, Total Base Number, Water content, Pour Point	Oct 2023	Dec 2023
<b>Diesel fuel</b>	Density, Distillation, Kinematic Viscosity at 40 °C, PMCC Flash Point (Abel/PMCC), Total Sulphur, Pour Point, Cetane Index (Calculated)	Dec 2023	Feb 2024
<b>Fuel Oil</b>	Density, Kinematic Viscosity at 50°C, Flash Point (PMCC), Sulphur Content, Pour Point, Sediments, Water Content, Ash content	Jan 2024	March 2024

#### 👉 Eligibility Criteria

Any organization having testing facility for any of the test parameters of the PT scheme can participate.

## PROFICIENCY TESTING SCHEMES 2023-24

# BHARAT PETROLEUM CORPORATION LIMITED

### 👉 How to Join

Laboratories interested in joining the program should contact the PT Coordinator for registration and other details confirmation.

#### **Vidyasagar Kamble, PT Coordinator**

Phone No.: (022) 24176325 , Mob.No.9586107012

*Email Id: [kamblevs@bharatpetroleum.in](mailto:kamblevs@bharatpetroleum.in)*

Alternate mail ids for such queries are [madhuranim@bharatpetroleum.in](mailto:madhuranim@bharatpetroleum.in) / [siddhartham@bharatpetroleum.in](mailto:siddhartham@bharatpetroleum.in)

**Detailed SOP of registration for the published PT scheme is available in our site [www.bharatpetroleum.in](http://www.bharatpetroleum.in) under Proficiency testing. For further information and queries interested laboratories can contact PT coordinator.**

### 👉 Participating Fees

The participation fee is INR 15,000 /- (in words Fifteen thousand rupees only) plus 18% GST per scheme for each product.

### 👉 Confidentiality

The identity of participants in a proficiency testing scheme shall be confidential and known only to persons involved in the operation of the proficiency testing scheme. In exceptional circumstances, when a regulatory authority requires proficiency testing results to be directly provided to the authority by the proficiency testing provider, the affected participants shall be notified of this action in writing.

### 👉 Other Important Information

PT samples are sent to the participants by BPCL PT within a reasonable time. Labs shall refer to the instruction sheet given along with PT scheme in the PT portal where test parameters are to be conducted and other information is available.

The final statistical summary reports will be made available electronically within approximately 45-50 working days after submission of test results by participating laboratories in the PT portal itself.

### 👉 Post PT Services

If participating lab requires any assistance w.r.t ISO/IEC 17025:2017 and allied areas, BPCL PT would undertake the same on negotiable terms.