

BPCL



energising lives

PROFICIENCY TESTING



Bharat Petroleum
now
MAHARATNA



energising exploration

BPCL today is fully integrated oil entity foraying into the upstream sector. It has participating interest in 22 blocks in India & overseas and equity stake in 2 Russian entities owning 4 producing licenses. It is also the lead operator of an onland block at Cambay Basin in India.

Energising Lives. Energising Naya Bharat.



**PT CO-ORDINATOR
SEWREE QA LABORTAORY
BHARAT PETROLEUM CORP LTD
"A" Installation, Sewree Fort Road
Sewree (East), Mumbai-400015**

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 organising PT programs for the first time in 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 10 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 as a reliable PT provider in the South East 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 organised by BPCL and get following benefits

PROFICIENCY TESTING PROGRAMME SCHEME 2019-20

- ☞ 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.
- ☞ 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 stake holders
- ☞ Generating secondary reference materials
- ☞ Validation of test results
- ☞ Complying with regulators requirements and accreditation bodies

Test Programs:

The Programs organised 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 analysed statistically as per ISO/IEC 17043: 2010 and ISO/IEC 13528:2015. Evaluation is done

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for each test parameter and statistical analysis is performed to arrive at Robust Mean and Robust 'Z' score compilations.

👉 Reports

Report containing details of the programme, 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 2019-20 is as under

Product	Test Parameter	Month of participation Registration	Month of Sample Testing
Diesel fuel	Density, Distillation, KV at 40 °C, PMCC Flash Point, Sulphur, Pour Point,	April 2019	May 2019
Furnace Oil	Density, K.V at 50°C ,Flash Point, Sulphur, Pour Point, Sediments, Water Content, Ash	Jun 2019	Jul 2019
Lubricating Oil	Density, KV at 40/100/VI/Flash Point, TAN, TBN, Water content, Pour Point	Aug 2019	Sept 2019
Aviation Turbine Fuel	Acidity , Aromatics, Colour (Saybolt), Density, Distillation, Existent Gum, Flash Point (Abel), KV at -20°C, Mercaptan Sulphur, Naphthalene, Olefins, Smoke Point, Sulphur	Sept 2019	Oct 2019
Motor Gasoline	Density, Distillation, RON, Existent Gum, Sulphur, Aromatics, Olefins, Benzene	Nov 2019	Dec 2019
Lubricating Oil	Density, KV at 40/100/VI/Flash Point, TAN, TBN, Water content, Pour Point	Jan 2020	Feb 2020

👉 Eligibility Criteria

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

☞ How to Join

Laboratories interested to join the program should contact the PT Coordinator for registration and other details confirmation.

Alternate mail ids for such queries are sistlarr@bharatpetroleum.in & tawadedm@bharatpetroleum.in.

☞ Fees

The participation fee is ₹ 15,000.00 (Fifteen thousand) plus GST (as applicable) for each product for which the scheme is organised.

Contact Person	E mail	Telephone
PT Coordinator	sistlarr@bharatpetroleum.in	+9122-24176376

☞ 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 reasonable time. Labs shall be intimated the schedule of test and submission of results after receiving the sample acknowledgement confirmation from labs.

The final statistical summary reports will be made available electronically within approximately 30-45 working days after submission of test results by participating laboratories.

☞ 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.