**1. General information**

Crude oil refinery AB ORLEN Lietuva is required to perform various laboratory tests in accredited external laboratories. 5 years contract will be concluded.

**2. Attachments**

Not applicable.

**3. Description and specifics of services**

**3.1. General requirements**

In accordance with the test schedule of AB ORLEN Lietuva Quality Analysis / Quality Control Center, the following test shall be performed once every quarter:

1. Jet fuel JET A-1 pipeline throughput determination according to ASTM D7872.

Perform the following tests regularly:

1. Determination of amounts of various compounds (such as carbon, benzene, etc.) according to ASTM D5291, GCMS.
2. Determination of amount of cumene in intermediate and final petroleum products according to the GS-FID method.
3. Determination of amounts of various hydrocarbons in intermediate and final petroleum products according to methods ASTM D2007, IP 143 mod, IP 469.
4. Determination of amounts of total fuel oil sediment in components and mixtures according to IP 390A, IP 375, IP 390B.
5. Determination of amounts of metals in crude oil and petroleum product fractions according to ICP, UOP 938.
6. Determination of P-value of petroleum products according to ASTM D 7112. Service provider may offer other methods for determining the P-value of petroleum products that could replace or comply with ASTM D 7112.

Also perform other laboratory tests necessary for the refinery.

**3.2. Description of services**

Perform the necessary and agreed laboratory tests for the refinery as needed.

**3.3. Special requirements (if any)**

Rates of services are fixed. Laboratory of service provider must be accredited. Employees performing tests must have adequate qualification. Laboratory tests and their results must be accurate, objective and reliable.

**3.4. Requirements for documentation**

Service provider must provide test reports.

**4. Materials, equipment and services to be provided by the Ordering Party**

Not applicable.

**5. Materials, equipment and services to be provided by the service provider**

Tests must be performed within the shortest possible time frame. Tests pre-agreed with the service provider shall be delivered by AB ORLEN Lietuva to the laboratory specified by the service provider.

**6. Requirements for work completion**

Test results must be emailed within 3 business days following the receipt of results.

**7. Requirements for Work Handover / Confirmation of Service Completion**

Payment shall be made to the service provider for completed works, emailed test reports and invoice.

**8. Requirements for work schedule**

The schedule for the provision of services shall be agreed on a case-by-case basis.