SURVEY QUESTIONNAIRE

FOR PROVISION OF EPC OF INSTALLING NEW STEAM SAMPLING SKIDS FOR STEAM BOILERS PROJECT

Date: 21/09/2026

Subject: EPC of Installing New Steam Sampling Skids for Steam Boilers Project

PURPOSE:

To determine the long list of bidders for bidding package "**EPC of Installing New Steam Sampling Skids for Steam Boilers Project"** in accordance with NSRP Procurement Procedure, the Pre-Q Questionnaire are developed as below.

"Nghi Son Refinery & Petrochemical Limited Liability Company (***NSRP***) is planning for the procurement of **EPCC of Installing New Steam Sampling Skids for Steam Boilers Project** (***the Services***) to select a suitable Contractor for provision of those ***Services*** for NSRP. The tentative date for starting the ***Services*** will be in December 2026

If your company is interested in this procurement package, please respond to all the questions in the questionnaire in following part and send through email thach.cd@nsrp.com.vn. The email must reach the email address above no later than **25th Sep 2026**. The response submitted via email must be clearly marked with the following title:

"EPCC of Installing New Steam Sampling Skids for Steam Boilers Project"

Should you have any question, please contact us at thach.cd@nsrp.com.vn for further information.

For the avoidance of doubt, this notice does not constitute any contractual offer, binding promise or guarantee of business by NSRP. Neither shall your satisfaction with all the minimum requirements mentioned above nor your response to this notice create any promise or guarantee by NSRP that you will be invited to participate in the above-mentioned procurement process.

Brief scope of work

Current design:

In a refinery, steam is distributed through High-Pressure Steam (HPS), Medium-Pressure Steam (MPS), and Low-Pressure Steam (LPS) networks to serve various process and utility applications. These include providing heat to heat exchangers and reboilers, driving steam turbines and compressors, operating steam ejectors, performing steam stripping and purging, supplying steam tracing, and generating steam for other process requirements.

Problem statement:

In actual operating, the NSRP refinery steam system currently lacks steam sampling skids, and some existing skids are non-standard at some locations. Consequently, steam quality cannot be controlled/ monitored properly. Meanwhile, steam purity is very important parameter for monitoring performance of upstream and downstream operating performance.

Scope of work:

The Contractor shall provide full Engineering, Procurement, Construction/ Installation and Commissioning assistant (EPC) for the Services in accordance with this Contract to the satisfaction of NSRP.

The scope of work shall include 2 main components:

- Installation of new steam sampling skids at designated locations to provide representative steam samples (8)
- Assessment, modification, and upgrading of existing sampling systems to ensure representative steam sampling (2)

The general Scope of Work includes, but is not limited to:

- Overall project management, planning, and coordination.
- Engineering: site survey, detailed design, preparation of drawings and documents, update of relevant existing documents, develop of 3D model, prepare of construction drawing and material take-off (MTO), etc.
- Procurement: steam sampling skids, piping materials, fittings, supports, consumables, and services required for the Works.
- Construction: fabrication, installation, tie-in works with existing steam network, inspection, testing, and all related site activities.
- Pre-commissioning: mechanical completion checks and preparation of mechanical completion certificates; system walkdowns and punch list creation/closing; testing and verification all system (hydrotest, leak test, functional testing, …); cleaning, flushing and calibration of systems.
- Commissioning: start-up system support, performance testing and solve troubleshooting, preparation commissioning reports.
- Hand over: preparation and submission of as-built drawings and final project documentation

Details in SOW will be sent later after receiving your Expression of interest (EOI).

1. General Information

- **Company Name:**
- **Company Address:**
- **Contact point:**

2. Experience and Technical Capabilities

- Does your company, consortium partner, or parent company have experience executing EPC brownfield projects (equal or greater than USD 200.000) in operating refinery, petrochemical, chemical, power generation, oil & gas, or similar industrial facilities?
  - If yes, please provide a list of all contracts executed including:
    - Project name
    - Client
    - Location
    - Contract value
    - Scope of work
    - Completion date
- Does your company, consortium partner, or parent company have experience performing tie-in works during refinery/petrochemical shutdowns or turnarounds?
  - If yes, please provide evidence.

3. Project Management and Resources

- Do you have a qualified team capable of delivering EPC services for industrial projects such as refinery, petrochemical, power generation, oil & gas, or similar facilities?
  - If yes, please provide a brief overview of key personnel with their relevant experience and qualifications, including:
    - Project Manager: minimum 10 years of relevant experience.
    - Engineering Manager/ Lead: minimum 8 years of relevant experience.
    - Construction/ Site Manager: minimum 8 years of relevant experience.
    - QA/QC manager/ Lead: minimum 8 years of relevant experience.
    - Procurement Lead: minimum 5 years of relevant experience.
    - HSE Manager: minimum 7 years of relevant experience.
    - Planning/Scheduling Engineer: minimum 5 years of relevant experience.
    - Site Supervisor: minimum 6 years of relevant experience.
- Does your company use a formal project management methodology, covering the following key areas?
    - Project planning and scheduling
    - Progress measurement and reporting
    - Risk management
    - Change management
    - Interface management
    - Contractor and vendor management
  - Please provide evidence/ related documentation.
- What engineering tools or licensed software does your company utilize for engineering services (e.g., AutoCAD for layout drawings, 3D modeling, engineering calculations, and planning software)?

- Please list out all relevant tools & software.

- Does your company possess suitable construction equipment and machinery for this project?
  - Please list out all relevant machines and equipment, including ownership status (owned, leased, or subcontracted) and planned availability during the Project execution period.

4. Quality Assurance and Quality Control (QA/QC)

- Does your company have an established Quality Assurance and Quality Control (QA/QC) system for EPC works?
  - If yes, please provide a brief description including:
    - Review and approval processes
    - Internal QA/QC procedures
    - Inspection and testing procedures.
- Does your company maintain Quality Management certifications such as ISO 9001, ISO 14001, ISO 45001 or equivalent?
  - If yes, please provide copies of the certificates and audit results from the past two (2) years.

5. HSSE Plan

- Does your company have an HSSE Management Plan, including HSE procedures and environmental control measures for construction works?
  - If yes, please provide a copy or summary of the HSSE plan.

6. Warranty:

- Do you agree to provide a warranty for the Works covering defects arising from design errors, omissions, or workmanship during the warranty period of 24 months from Initial Acceptance?
  - Answer:

Evaluation Criteria

Bidders must answer “Yes” to all questions in the Pre-Qualification Questionnaire and provide the required supporting documentation.

Any response of “No”, or failure to provide adequate supporting documentation, may result in the bidder being disqualified from the pre-qualification process.