



PRE-QUALIFICATION COMMITTEE REQUIRED DOCUMENTS AND CAPABILITIES FOR TECHNICAL EVALUATION

All the following documents and requirements must be submitted to Pre-qualification Committee for review and approval before company evaluation can be conducted:

1. Required Documentation

- PQRs and WPSs in accordance with the latest editions of API 1104 and ASME Section IX.
- Inspection Test Plan (ITP).
- Painting Procedures.
- PWHT procedure (if needed).
- Welder Qualification Certificate (WQR), relevant to the required welding processes (GTAW/SMAW), to be further verified and approved by SOO TPI.
- Welding consumables and filler materials certificates (including batch numbers, mechanical properties, and compliance to standards).
- Painter and grit blaster qualification certificates, subject to qualification verification by SOO TPI
- Valid Calibration certificates for:
 - Welding Machines.
 - Electrode Oven.
 - Chart recorders.
 - Heat Treatment Unit (If needed).
 - Hydrostatic test pumps along with its Pressure gauges.
 - Compressors.
 - Torque wrenches.
 - Lifting equipment (e.g., cranes, hoists, slings, shackles).
 - NDT Devices / Consumables.
- Lifting plan, including method statements, load calculations, and risk assessments.
- All special NDT examiners certificates (Radiographer's certification, MFL, PHA, TOFD, IRIS).
- All special NDT procedures (Radiographic Testing (RT) procedures, MFL, PHA, TOFD, IRIS).

2. Welding Requirements

- Welding activities shall conform to ASME B31.3 standards and include the following provisions:
 - For pipes ≥ 3 inches in diameter:
 - *GTAW* for root and hot pass.
 - *SMAW* for fill and cap passes.
 - For pipes ≤ 2 inches in diameter:
 - Full GTAW process for all passes
- All welding must be executed using SOO-approved WPSs and PQRs.
- Welders must be qualified for GTAW and SMAW processes and will be further assessed by SOO TPI prior to work.

3. Non-Destructive Examination (NDE)

- 100% Radiographic Testing (RT) is mandatory for all butt-welded joints.
- Radiographic films must be either D4 or MX125 type.
- DPI and MPI tests will be performed by SOO-certified NDT technicians as required.



4. Hydrostatic Testing: -

- All Hydrostatic test pressure shall be held for 1 hour.
- It is mandatory to use a calibrated pressure/temperature chart recorder (or calibrated pressure/temperature digital gauge) during the test.
- All test results must be clearly documented and submitted to SOO TPI for approval.

5. Painting and Surface Preparation

- All painting and blasting personnel (painters, grit blasters) must be qualified, certified, and approved by SOO TPI.
- Grit blasting shall meet Sa 2 1/2 standard, using approved materials (e.g., copper slag).
- Paint and grit-blasting machines must be available and in proper working condition.
- Painting to be applied as per the approved painting procedure and SOO Painting Specifications.

6. Torquing Operations

- All bolting and torquing shall be performed using calibrated and certified torque wrenches, following SOO specifications & procedures.

7. Tools, Equipment & Personnel Requirements

The contractor is required to provide the following:

- All necessary tools and equipment to complete the scope of work.
- Socialized equipment for hazardous or classified areas (e.g., spark-proof tools).
- Heavy machinery and support vehicles including, welding machines, grinders, RT equipment, cranes, trucks, air compressors, grit/painters' equipment, etc.
- All required consumables, including but not limited to:
 - Welding rods/electrodes.
 - Grit blasting media (copper slag)
 - Cutting and grinding discs.
 - Solvents, rags, and cleaning materials.
- Mobilization of qualified/certified personnel, equipment, and materials to SOO sites, in line with SOO project/task requirements.
- Provision of complete Personal Protective Equipment (PPE) including but not limited to:
 - Personal PPE (Coverall, safety boots, protection glasses/masks, Gloves, ears protection...etc.)
 - Safety harnesses.
 - Slings and rigging gear.
 - Scaffolding.
 - All lifting accessories

All PPE, lifting tools, and safety gear must be inspected and approved by SOO HSE prior to commencing job.