

THIRD PARTY INSPECTION

TERMS OF REFERENCE

The scope for Open Box Pre-shipment inspection, inspection at loading Port of shipment & inspection at unloading Port of Discharge of Reciprocating Compressors Packages shall be carried/verified out by third party inspector for assuring the integrity of shipment/packing as outlined below:

- Coordinate with OEM/Packager for finalizing the Date and Place of inspection.
- Review the detailed listing (will be provided by OEM/Packager) of the equipment, materials, tools, accessories, spare parts, and all other relevant parts being shipped, Material Test Certificates, Purchase Order and other relevant documents.

- Each package shall contain following information with un washable paint.
 - a) Oil & Gas Development Company Ltd, Nashpa Project.
 - b) Oil & Gas Development Company Ltd, Islamabad Pakistan.
 - c) Contract No. _____
 - d) L/C No. _____
 - e) Equipment No. _____
 - f) Case No. _____
 - g) Storing and handling instructions for fragile and perishable items.
 - h) Gross Weight (in metric tons)
 - i) Dimensions (length*width*height in metric system)
 - j) Place of Origin

- Verify the completeness of Reciprocating Compressors, Air Cooled Exchanger, scrubbers & UCP Packages etc. based on the final Packing List provided by OEM/Packager.

- Compliance check for safety standards of transportation/ shipment for Reciprocating Compressors, Air Cooled Exchanger, scrubbers & UCP Packages etc. and UCP Packages.

- Physical check for any damages of Reciprocating Compressors, Air Cooled Exchanger, scrubbers & UCP Packages etc. and UCP Packages.

- Instructions necessary for the storage of Reciprocating Compressors, Air Cooled Exchanger, scrubbers & UCP Packages etc. and UCP Packages to maintain its integrity at site and before startup.

- Integrity of exterior paint must be checked and ensured. Make sure that paint does not contain Lead or chromates.
- All exterior surfaces except for corrosion resistant material shall be coated with rust preventive material.
- All interior surfaces shall be physically checked to ensure that no dust, oily particles, welding spatters and other damaging particles reside there and those surfaces shall be coated for rust prevention.
- All the flanges must be closed with some standard procedure.
- All the threaded openings must be secured with steel plugs and openings beveled for welding shall be secured to prevent entrance of any moisture contents or dust.
- Centre of Gravity and lifting points must be marked clearly on the equipment.
- All the connections whether piping, component or electrical shall be thoroughly inspected for their integrity.
- All the components being shipped separately shall be tagged with item and serial number of the equipment for which it is intended.
- All the equipment and components to be shipped shall comply with Occupational Health and Safety Standards.
- Any connections dismantled for shipment purpose shall be match marked for ease of assembly.
- Copy of installation manual must be shipped along with the equipment.
- Preparation of report in light of above inspection, applicable codes/ standards and clearly identify the acceptance criteria.

The above scope covers the minimum requirement, any other check whether visual or any other inspection procedure required to confirm the completeness of the packages will be the responsibility of the 3rd party inspector. The CVs of the professionals of the TPIs to be assigned for inspection shall be shared in advance with OGDCL.