

**CLARIFICATION NO. 02**

**TENDER ENQUIRY NO. PROC-SERVICES/CB/CORR-3148/2017 FOR HIRING OF NON DESTRUCTIVE TESTING, MECHANICAL INTEGRITY ASSESSMENT, RISK- BASED INSPECTION AND OTHER ALLIED SERVICES ON RATE RUNNING BASIS**

<b>S.NO</b>	<b>Bidders Questions</b>	<b>Answers</b>
1	<p>Please confirm on Annexure A, clause 3.1 Part (x) "Coating Integrity Inspection including Low voltage pin hole detection, High Voltage Pin hole detection, Dry Film Thickness (DFT) of existing coating". This element is not included in the financial bid format. Please clarify.</p> <p>Part (xii) "Non-destructive Metallographic testing by Replica Method" Onsite metallography is more advance technique than replica method. Please confirm onsite metallography will surface your equipment.</p>	<p>Coating integrity inspection including low voltage pin hole detection, high voltage pin hole detection, dry film thickness (DFT) of existing coating" This element is not required to be included in financial bid format.</p> <p>Onsite metallography result will be accepted if it encompasses the same features and results as of Metallographic testing by Replica method.</p>
2	<p>Please confirm on Annexure A, clause 4.4 "FFS assessment shall be done by concerned / relevant API certified Inspectors in their relevant categories as per API-579/ASME-FFS-1 etc"</p> <p>Please note that API-579/ASMEFF-1 is applicable when there is any defect which is not acceptable as per relevant code. We understand that the FES assessment will be done as per the relevant code like API 510 for the Pressure Vessel, API 653 for tank, API 570 for Piping by certified inspector. Please clarify.</p>	<p>The relevant inspector (API-510, API-570, API 650, and API 653) shall conduct FFS assessment, under the guidance of relevant applicable API code.</p>
3	<p>Please clarify on Annexure A, clause 4.4(b) 100% UT gauging (as per requirement) 100% MPT DPT</p> <p>Please clarify the no. of points on each type of equipment.</p> <p>Would you require the MPT/DPT as per inspector discretion or all weld seam of equipment completely inspect by MPT/DPT. Please clarify.</p>	<p>We expect 100 % UT Gauging however, it would be the discretion of OGDCL to have selective TML/ CML for UTG, depending upon actual site conditions &amp; requirements.</p> <p>For MPT/DPT, the successful bidder shall be required to carry out inspection of selective weld seams however, at some locations all weld seams of equipment may be inspected through the said techniques.</p>
4	<p>Please confirm Annexure A. Clause (5) Part (vi) "As requirement 3<sup>rd</sup> party inspection company shall be capable / should have appropriate software(s) to provide comprehensive Inspection Data Management Solution"</p> <p>Would you require data management software, please confirm. The provision of costing for software is not included in the financial bid format. Please clarify.</p> <p>Part (vii) The software shall be user-friendly, non-server based and loaded / operable on desktop / laptop computers and shall be shared up to expiry date of contract period with 5 company's designated engineers.</p>	<p>It is clearly mentioned in Annexure A, Clause (5) Page 23 , that 3<sup>rd</sup> party inspection company shall be capable / should have appropriate Software(s) to provide comprehensive inspection Data Management solution and provide access /training to 05 nominated OGDCL Engineers during validity period of contract.</p> <p>However, OGDCL shall not be bond to purchase this software.</p>
5	<p>Please confirm Annexure A. Clause (11) Part (i) Degree verification of manpower and experts to be done by OGDCL or by SGS Pakistan.</p>	<p>OGDCL has discretion to verify all documents, including Degree, experience certificate, relevant professional membership / certificate of man power and experts, calibration certificates of inspection equipment.</p>