



Name of Work: Tender No: 04103/2021-2022/E23476-Fabrication, erection, testing, painting up to mechanical completion of piping system including civil works for the connectivity between Q9 and Q10 berth, WILLINGDON ISLAND, KOCHI.

Sl.	Query & Reply
1.	<p>Query: Place of supply of Free Issue Materials (in FACT-CD or WILLINGDON ISLAND)?</p> <p>FEDO Reply: Place of supply of free issue of material is at FACT – CD, Ambalamedu</p>
2.	<p>Query: Since the quantity shown in Rubber Lining is a small quantity, we want to know whether 300NB and 350NB CS pipe shall be supplied in Rubber lined condition?</p> <p>FEDO Reply: 300 NB & 350 NB CS pipe will be supplied in the rubber lined condition with end flanges. Contractor needs to erect these lined pipes as per the GFC drawings. However, small quantity is mentioned for meeting any repair or shortage of lined pipes/fittings</p>
3.	<p>Query: Whether Rubber Lined pipe shall supply with both end flanges duly welded to the pipe?</p> <p>FEDO Reply: Rubber lined pipes will be supplied with both end flanges duly welded to the pipe</p>
4.	<p>Query: Whether the dumping location for surplus earth and demolished concrete is in FACT-CD or CPT areas in Puthuvyppeen?</p> <p>FEDO Reply: Surplus earth and demolished concrete shall be disposed in FACT-CD at locations as directed by Engineer in-charge. Contractor shall be responsible for all the liaison work with CoPT / other agencies for the removal of the same from W.Island to FACT-CD.</p>
5.	<p>Query: Random length of pipe supplied for 200NB and above?</p> <p>FEDO Reply: Length of pipe will be single random length of 4 to 7 meter</p>
6.	<p>Query: Whether WPS is required, or it is sufficient with welder qualification for both CS & SS piping since the quantity involved is less?</p> <p>FEDO Reply: Welding shall be performed as per the tender conditions (Refer cl no.: 3.6.1 of engineering specification 25ES205/10), The piping system is designed for</p>



	unloading hazardous fluids from the ship.
7.	<p>Query: Whether potable water can be used for hydrotesting both CS & SS piping or DM water is strictly needed for SS piping?</p> <p>FEDO Reply: Testing fluid shall be as per tender condition (Refer cl no. 10.2.1 of engineering specification 25ES205/10)</p>
8.	<p>Query: Whether all the inspection and approval for the successful completion of the work is by FACT-CD or FEDO?</p> <p>FEDO Reply: FEDO Engineer in charge will be responsible for all the inspection and approval (for site activities only) for the successful completion of the work.</p>
9.	<p>Query: Whether Normal M30 concrete with admix or Leak Proof concrete is to be used for Hose connection chamber, pipe trench and neutralization pit.</p> <p>FEDO Reply: <i>Normal M30 concrete with admixtures shall be used to make the hose connection chamber, pipe trench and neutralisation pit. Water proofing compounds can be used with the concrete to make the structure leak-proof.</i></p>
10.	<p>Query: Since the depth and width of excavation is high and it is to be carried out in high water table location, shoring and strutting with close timbering method is strictly applicable. If this is added to excavation rate it will become an AHR value. Hence, we request you to add Shoring and strutting as an additional SOR item.</p> <p>FEDO Reply: The quoted rate for the excavation item shall cover all activities, materials, labour etc. as specified in the schedule of items of work.</p>
11.	<p>Query: After installation of Pre-cast slabs, whether it is required to seal with cement mortar?</p> <p>FEDO Reply: <i>Yes, in cement mortar 1:4 (See item description in schedule of items of work)</i></p>
12.	<p>Query: How much work front will be released at a time for the construction of apprx. 165 MTR trench</p> <p>FEDO Reply: <i>Entire 165m trench length</i></p>



13.	<p>Query: Can you please specify the length of pipes available in your store for carrying out this work? (6 Mtrs or 12 Mtrs)</p> <p>FEDO Reply: Length of pipe will be single random length of 4 to 7 meter</p>
14.	<p>Query: Will FACT provide Corrosion pad materials?</p> <p>FEDO Reply: Corrosion pad materials is under the scope of the contractor.Refer D.1.1 of document 32688-03-SW-001_Rev.1 attached along with the tender document.</p>
15.	<p>Query: Scope of supply of Paint. (Contractor or FACT)</p> <p>FEDO Reply: Supply of paint is under the scope of contractor.</p>
16.	<p>Query: scope of Supply of Welding Consumables. (Contractor or FACT)</p> <p>FEDO Reply: Supply of welding consumables is under the scope of contractor.</p>
17.	<p>Query: Page 151: SL No: B2: The work under this item covers all operations necessary to complete a flanged joint and shall include transportation from owners storage point, handling, cleaning and preparation of flange faces and gaskets, placing, aligning, installation of gaskets, bolts/studs, final alignment and tightening of pipe flanges, orifice flanges, blind flanges, expansion joint flanges flanged valves and fittings etc. at all elevations. Installation of orifices, spades, blinds are also included in the quoted rate. The rate is applicable for all ratings and materials. (Is welding of Flange Joints to be considered for this item or only box-up. Also the nut-bolts, gaskets etc shall be in contractor's or FACT's scope?)</p> <p>FEDO Reply: In SL No B2: only flange box up is considered.Welding of flange is covered in SI.No A: of document 32688-03-SW-001_Rev.1 attached along with the tender document. Nut-bolts and gaskets are in FACT's scope.</p>
18.	<p>Query: Page 169: Earthing shall be provided for all instruments. Earth wires shall be terminated to the nearest earthing terminal in the location using the cable supplied by the client. (Please provide the quantity of instruments for which earthing has to be provided)</p>



	<p>FEDO Reply: Earthing shall be provided for the transmitting instruments mentioned in the scope of contractor vide document 32688-14-PS-004 SPL INST and SOR, i.e. 2 nos. Pressure transmitters and 1 no. capacitance type level transmitter.</p>
19.	<p>Query: Page 169: Termination of cables at the control room end (relevant pair of multi core cable to indicator) is in the scope of contractor. Contractor shall carry out the loop checking and commissioning in presence of EIC/Client. (Please provide the approx. quantity).</p> <p>FEDO Reply: Termination of cables shall be provided for the transmitting instruments mentioned in the scope of contractor vide document 32688-14-PS-004 SPL INST and SOR, i.e. 2 nos. Pressure transmitters and 1 no. capacitance type level transmitter.</p>
20.	<p>Query: Please provide the distance of the new pipeline route considered from the existing pipeline in the Barge Jetty.</p> <p>FEDO Reply: <i>Approximate distance of Sulfuric acid pipeline is 485 meters and Phosphoric acid pipeline is 520 meters from the tie-in points.</i></p>
21.	<p>Query: Confirm whether all pipe pedestals in the Q10 berth area require excavation.</p> <p>FEDO Reply: <i>Pipe pedestals are founded below existing ground level, hence requires excavation.</i></p>
22.	<p>Query: For erection of capacitance type level transmitter and diaphragm sealed pressure transmitter, confirm whether supply of cables, cable trays and glands are in the scope of FACT or the contractor. Also provide the approximate cable length to be laid, cable size and No.of cables for each instrument . Also please confirm whether earthing is included in the scope of Contractor</p> <p>FEDO Reply: <i>Regarding the type, supply and length of cables, laying of cables and cable trays , please refer Sl. No, 5.0 , 6.0 and 7.0 of 32688-14-PS-004 SPL.</i> <i>For earthing scope please refer Sl.No. 8.0 of 32688-14-PS-004 SPL</i> <i>Supply and Erection of structural steel shall be in the scope of contractor please refer SOR.</i></p>



23.

Query:

Confirm whether the thickness of RCC wall for pipe trench, hose connection chamber and neutralization pit is 200mm.

FEDO Reply:

The RCC wall thickness of 200 is tentative and are liable to modifications. Work shall proceed only as per the "Good for construction drawings" issued.