



**Name of Work:** Tender No: 03102/2021-2022/E24935- Construction of 2 nos. Caustic Effluent storage tanks (2x1000 m3) and associated facilities at Petrochemical Plants

**Queries raised by bidders**

SL NO	QUERY DESCRIPTION	CLARIFICATION TO QUERY
<b><u>MECHANICAL</u></b>		
1	PLEASE PROVIDE THE TEMPERATURE RISE & HEATING TIME FOR STORAGE TANKS	Based on the climatic conditions, the requirement of LP steam to be calculated based on the Governing case (Tank capacity, Min- max ambient temperature, Tank operating temperature). The tank temperature is controlled manually by admitting LP steam continuously through the steam coils and only a manual valve is to be provided in the inlet.
2	PLEASE PROVIDE THE SEAL WATER PIPING SIZE	Vendor to decide based on pump seal water requirement.
3	NRV's AT PUMP DISCHARGE ARE REQUIRED OR NOT, KINDLY CONFIRM	NRV's at pump discharge are required
4	STRAINERS REQUIRED OR NOT AT PUMP INLET. NOT SHOWN IN P&ID. KINDLY CLARIFY.	Strainers are not required.
5	WE HAVE CONSIDERED BALL FLOAT STEAM TRAP. KINDLY CONFIRM	The steam trap required is Ball Float steam trap
6	FLOOR COIL SHUTOFF VALVE AFTER REACHING DESIRED TEMP. IS MOTORIZED CONTROL VALVE OR MANUAL SHUTOFF VALVE	LP steam is continuously fed through the steam coils and only a manual valve to be provided in the inlet. Please see the reply to point no 1
<b><u>E&amp;I</u></b>		
1	4 POWER CABLES. 4 CONTROL CABLES & LIGHTING CABLES HAS TO LAY. ONE LIGHTING CABLE CAN LAY UPTO DB AND DISTRIBUTE WITH ONE SWITCH. KINDLY CONFIRM	<i>Incoming power cable from existing MCC to new MCC, Power and control cables for motors of two numbers of Caustic Effluent Discharge pumps and two numbers of truck loading pumps shall be laid. Lighting cables as required from LDB-84 and EDB-07 shall be provided by the bidder as the design of lighting system is included in the scope of bidder. EDB 07 is emergency DB.</i>



2	PUMPS EARTHING NOT SHOWN IN ANYWHERE. KINDLY CLARIFY	<i>Local Control stations, drive motors, Junction boxes etc shall be earthed in duplicate and shall be connected to existing earth bus located at the overhead cable tray as per point No: 2 provided in Cl. No:6.6 of Doc No: 32700-13-DA-92401.</i>
3	WHETHER TANKS & PUMPS EARTHING HAS TO INTEGRATE TO EXISTING EARTHING. KINDLY CONFIRM	<i>Inter connection of earth pits with the nearest existing earth pit at two points shall be carried out with 120sq.mm PVC covered Al. cable. as per point No:4 provided in Cl. No:6.6 of Doc No: 32700-13-DA-92401.</i>
4	WHETHER THE PUMP STATUS FEEDBACK CAN BE TAKEN FROM NEW MCC. KINDLY CONFIRM	<i>Pump status feedback shall be taken from the new MCC being provided by the bidder.</i>
5	FLAME PROOF PANEL REQUIRED OR NOT. KINDLY CLARIFY	<i>MCC shall be located in the existing substation building and hence flame proof panel is not required.</i>
6	KINDLY PROVIDE ALL INSTRUMENTS MARSHILING BOX INSTALLATION LOCATION AND DISTANCE FROM ONE BOX TO ANOTHER.	<i>Contractor's scope is to connect all new instruments to existing junction boxes in field and not to Marshalling boxes. Spare in existing junction boxes to be located and Same shall be finalized after work order placement. From site visit, the contractor has to consider a conservative quantity for the same at this stage.</i>
7	PROVIDE THE DETAILS OF EXISTING MCC PANEL SUCH AS INCOMER RATING, EXISTING SPARE FEEDER RATING ETC.	<i>Rating of incomer of feeder of existing MCC-4100C is 630A SFU. Vacant cubicle P5C available in the existing MCC shall be modified by the bidder for providing power supply to new MCC.</i>
<b><u>CIVIL</u></b>		
1	PROVIDE THE DYKE WALL AREA DIMENSIONS	<i>LSTK contractor to confirm based on basic engineering.</i>



2	DYKE WALL STAIRCASE REQUIRED OR NOT AND IF REQUIRED PLEASE SPECIFY THE QTY.	LSTK contractor to confirm based on basic engineering.
3	TRUCK LOADING BAY IS REQUIRED FOR HOW MANY NO. OF TANKERS	Truck loading bay is required for one number of tanker.
4	PROVIDE THE WASTE DISPOSAL DISTANCE FROM THE SITE LOCATION	Construction waste maybe disposed at locations inside FACT UC premises within a distance of 2km.
<b><u>GENERAL</u></b>		
1	PLEASE PROVIDE THE SPARES LIST FOR COMPLETE PACKAGE	For Mandatory spares list refer Tender Doc. 32700-02-PS-001-SPR (SPARES (MANDATORY) STORAGE TANK), 32700-01-PS-001 SPR(M) (SPARES (MANDATORY) CENTRIFUGAL PUMPS, & 32700-13-PS-001 SPR (Mandatory spares). Refer Clause 4.0 of Tender document 32700 -01-PS-001 SPL special requirement of the project (centrifugal pump) for description of spares.