

Date: 24.07.2020

Venue: Email

Sub: NEW 10000 MT DOUBLE WALL DOUBLE INTEGRITY AMMONIA STORAGE TANK AND ASSOCIATED FACILITIES FOR FACT-CD,
AMBALAMEDU ON LSTK BASIS

Sl. No.	Section No. of Bid Doc.	Page No.	Clause No.	Subject	Bidder's Query	Owner / PMC Reply	Discipline
1.				Battery Charger	Owner to inform battery backup time required for Battery charger.	Back up time for continuous load shall be 2 hours .The capacity of the battery and charger shall be sufficient to meet the DC power requirement as per data sheet 32645-13-DA-92401.vendor shall furnish calculation for battery sizing during execution of order.	Electrical
2.				Fire Alarm System	<p>1) As per Doc No. 32645-01-PS-001PH2, Clause No. 1, Manual call points, Smoke /heat detectors for Control room, MCC Room, UPS room, compressor house, and ammonia pump house area etc. Shall be considered.</p> <p>Bidder understands that only MCP's shall be provided at Compressor hous and ammonia pump House. MCP's Smoke /heat detectors shall be provided for for Control room, MCC Room, UPS room etc.</p> <p>2) As per Doc No. 32645-01-PS-001PH2, Clause No. 4.1, Manual call points for plant area shall be connected to the existing fire alarm panel in the Ammonia handling area. Bidder understands that Fire alarm detectors and MCP's in MCC room and Conreol shall also be connected to existing FA system panel.</p> <p>PMC/Owner to confirm.</p>	<p>1.Bidder's understanding is correct.</p> <p>2.Bidder's understanding is correct. Spare loop is available in the existing Morley make FA system panel.</p>	Electrical
3.				Fire Alarm System	<p>1) As per Doc No. 32645-01-PS-001PH2, Clause No. 1, Manual call points, Smoke /heat detectors for Control room, MCC Room, UPS room, compressor house, and ammonia pump house area etc. Shall be considered.</p> <p>Bidder understands that only MCP's shall be provided at Compressor house and ammonia pump House. MCP's Smoke /heat detectors shall be provided for Control room, MCC Room, UPS room etc.</p> <p>2) As per Doc No. 32645-01-PS-001PH2, Clause No. 4.1, Manual call points for plant area shall be connected to the existing fire alarm panel in the Ammonia handling area. Bidder understands that Fire alarm detectors and MCP's in MCC room and Control shall also be connected to existing FA system panel.</p> <p>PMC/Owner to confirm the availability of spare loop in existing FA system panel and also inform the make of existing Fire alarm system.</p>	Refer point.No.5 above	Electrical
4.				Inspection of annular Space with monorail arrangement	<p>Owners reply to Bidder's query regarding the Two circumferential monorails to be provided for inspection of the annular space i.e. outer tank shell inner surface & cup shell outer surface is as follows:</p> <p>Physical inspection of the shell surface is intended with the aid of monorail facility, after the de-commissioning of Ammonia storage tank.</p> <p>Bidder Query: Owner to provide any such arrangement if provided in their existing plant to bidder for better clarity. Bidder would like to know how much clear annular space (Space between inner shell and outer shell) shall be considered if person has to go for physical inspection in the annular space with monorail arrangement.</p>	Refer Pre-bid Query No.1 Reply	Mech Static
5.				Plot area demarcation	<p>-Battery limit of the plot allotted to Bidder</p> <p>'-Confirmation on availability of plot towards North side of existing substation</p>	Plot Plan drawing provided.	Piping
6.				Clarification on Demolition of	Demolition of existing facilities to be discussed.	Refer earlier pre-bid replies	Piping

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				existing facilities	'-Existing Road in between New & existing ammonia tank -Existing Old shed (Sr No. 4 & 5) -Existing Tank & chimney south of start-up boiler as that will hinder Proposed peripheral road		
7.				Existing Equipment Layout for ammonia tank & Prevalent wind direction.	Existing Equipment Layout for ammonia tank & Prevalent wind direction.	Provided in Pre-bid Query Reply No.5	Piping
8.				Spill wall Around ammonia tank	Confirmation on providing spill wall around New ammonia Tank	Provided in Pre-bid Query Reply No.5	Piping
9.				Requirement of Battery limit valve arrangement	Requirement of Battery limit valve arrangement near new ammonia Plant.	Provided in Pre-bid Query Reply No.5	Piping
10.				Discussion for Scope near Jetty area	-Proposed route. -Space availability on existing Trestle near to jetty area -Space availability to locate Proposed new manifold.(is it on Platform or Grade) -Scope of unloading hoses & Length of unloading hose. -Any tie ins with existing at jetty area?	Provided in Pre-bid Query Reply No.5	Piping
11.				Maintenance philosophy	EOT for ammonia compressor , monorail for IA compressor & ammonia unloading pump without shed	Provided in Pre-bid Query Reply No.5	Piping
12.				Proposed location of New flare	Proposed location of new flare ,Existing flare header Elevation & tie in location	Provided in Pre-bid Query Reply No.5	Piping
13.				Availability existing Drawing	-Existing P & ID -Existing Piping GAD -Existing pipe rack drawing civil drawing.	Provided in Pre-bid Query Reply No.5	Piping
14.				Tie in location of New & existing NPK plant	Liquid ammonia Tie in location near New & existing NPK plant	Provided in Pre-bid Query Reply No.5	Piping