

## INSTRUMENT AIR &amp; PLANT AIR SYSTEM AT TALCHER, ODISHA (INDIA) FOR TALCHER FERTILIZERS LTD. (TFL)

SL. NO.	PART / VOL.	PAGE NO.	CLAUSE NO. & Heading	SUBJECT	BIDDER'S QUERY DURING PRE-BID	PMC/OWNER REPLY IN TQ REPLY-1	BIDDER'S QUERY	PMC/OWNER REPLY
1	Technical Specification (PC183/E/4008/SEC - VI/PART-2.0)	3 of 10	2.4 Hazardous Area Classification:	In general Area classification shall be in accordance with IS 5572 along with latest update.	We understand that the IA/PA plant is located in SAFE AREA and all the electrical & instrumentation items shall be suitable for Safe Area. Please confirm.	As per NIT	There is nothing mentioned in the tender about the Area Classification of the Electrical Items. As the IA/PA plant is located in the SAFE Area, we understand that the electrical items shall be suitable for safe area only. Please confirm.	Under review, Amendment if required, shall be issued shortly.
2	Technical Specification (PC183/E/4008/SEC - VI/PART-2.0)	Page 4 of 10	2.5.3 Wet Air Receiver K.O. Drum (IF APPLICABLE)	Capacity By bidder but not less than (30 m3)	Please confirm the requirement of wet air receiver. It cannot be if applicable To size the receiver capacity, we will need the following data: Alternatively, we will supply 30M3 receiver. Please confirm. RECEIVER FILL FLOW RATE PROCESS DEMAND FLOW RATE INITIAL RECEIVER PRESSURE FINAL RECEIVER PRESSURE TIME ALLOWED FOR RECEIVER PRESSURE DROP FROM INITIAL TO FINAL	Receiver full flow rate -16000 Nm3/hr. Initial Receiver pressure- 10.5 kg/cm2g Final Receiver pressure- 5 kg/cm2g Time- 15 minutes	Please recheck this sizing basis , as according to this the volume of the vessel is coming around 861 m3 which is abnormally high . We understand that the purpose of this vessel is just to remove any condensed moisture from the air and hence such large volume is not required. This vessel is not required to act as buffer vessel .	Under review, Amendment if required, shall be issued shortly.
3	Technical Specification (PC183/E/4008/SEC - VI/PART-2.0)	Page 4 of 10	2.5.4 Adsorber	Bidder shall provide 1 No. Low Pressure Wet Air Receiver upstream of Instrument Air Generation package to avoid any fluctuations in operation of Instrument Air Generation package.	Please explain this requirement.	"This is same wet air receiver as explained in 2.5.3"	We understand that the low pressure wet air receiver and wet air receiver KO drum are same and bidder is not required to provide a separate wet air receiver. Please confirm. If our understanding is correct please revise the tender where in SCOPE OF SUPPLY (Doc No. PC183/E/4008/SEC - VI/PART-1.0), sheet 3 of 13, Clause No 2 and delete Sr No. 15	Low pressure wet air receiver is different from wet Air receiver knockout drum. wet Air receiver Knock drum shall be provided in the discharge of all(Three) compressors for moisture separation purpose only, while Low pressure wet Air receiver will be after Wet Air receiver K.O.drum which will act as a surge vessel for supplying plant Air to entire complex as well as feed to dryer system for instrument Air generation. This section of NIT is under review and amendment if any shall be issued shortly.
4	Technical Specification (PC183/E/4008/SEC - VI/PART-2.0)	Page 6 of 10	2.5.12 Instrument Air Receiver	Sizing of Instrument Air Receiver	To size the receiver capacity, we will need the following data: RECEIVER FILL FLOW RATE PROCESS DEMAND FLOW RATE INITIAL RECEIVER PRESSURE: 36.5 Kg/cm2G FINAL RECEIVER PRESSURE: 8 Kg/cm2G TIME ALLOWED FOR RECEIVER PRESSURE DROP FROM INITIAL TO FINAL PRESSURE: 30 minutes	"Receiver fill flow rate -8000 Nm3/h PROCESS DEMAND FLOW RATE- 8000 Nm3/hr"	We understand that "Instrument Air Receiver " and "HP IA Emergencer Receiver @36.5 kg/cm2 g for 30 min back up " as mentioned in SCOPE OF SUPPLY (Doc. No. PC183/E/4008/SEC -VI/PART-1.0) Sheet 3 of 13, Clause No. 2, Sr. No. 16 are same and we have to provide 1 no of "Instrument air receiver" only. Please delete Sr. No. 16 HP IA Emergency Air receiver. Please confirm and revise the tender accordingly.	Under review, Amendment if required, shall be issued shortly.
5	Scope of Work (PC183/E/4008/SEC - VI/PART-1.0)	Page 3 of 13	2.0 Scope of Work	13. Dry Air Receiver for Emergency: 2 Nos			As per FEED PFD there is no such vessel show , Please recheck and confirm if it s required . If yes please provide its sizing basis.	PFD is indicative only, Under review, Amendment if required, shall be issued shortly.
6	Scope of Work (PC183/E/4008/SEC - VI/PART-1.0)	Page 3 of 13	2.0 Scope of Work	15. Low pressure Wet Air Receiver: 2 nos			As per FEED PFD there is no such vessel show , Please recheck and confirm if it s required . If yes please provide its sizing basis.	PFD is indicative only, Under review, Amendment if required, shall be issued shortly.
7	Scope of Work (PC183/E/4008/SEC - VI/PART-1.0)	6 of 13	2 SCOPE OF SUPPLY	2.3 o) Supply of mandatory (spare parts for two year operation) and commissioning spares attached elsewhere in bid package.	We understood that Mandatory spares and commissioning spare are in bidder scope. But Two year spares is in bidder's scope. Please confirm.	Supply of mandatory and commissioning spares along with operation and maintenance spares for two years shall be in bidder's scope	Please refer Cl. No.3 (Scope of Supply), Page 9 of 13. As per this document Start-up & commissioning spares and Mandatory spare is under bidder scope and for Two years normal operation, bidder to provide the recommended spares list only. Please review this clause and confirm.	Under review, Amendment if required, shall be issued shortly.
8	Design Specification - Electrical (PC183/E/4008/SEC-VI/PART3.3 , REV-P1)	4 of 34	1.0 SCOPE	1.6 Heater control panel shall be installed in offsite & Utilities substation of respective plants.	Please provide the distance from utilities substation to IA/PA plant battery limit.	Location of Utilities Substation (OUSS) Marked in plot plan.	OUSS is not given in the PLOT PLAN. Please provide the distance between the utility sub-station and plant B/L.	Drawing (Plot plan) is in scale. The grid number is already marked in the plot plant, distance between two grid is 100M. Approx 1000 metre distance to be considered . However exact distance to be calculated by Bidder considering area plot plan and its scale.
9	General Queries				PLEASE PROVIDE DISTANCE BETWEEN CONTROL ROOM & PLANT.	Please refer Area plot plan attached with the Tender	Not given in the Area plot plan attached with the Tender. Please provide the distance.	Drawing (Plot plan) is in scale. The grid number is already marked in the plot plant, distance between two grid is 100M. Approx 1000 metre distance to be considered . However exact distance to be calculated by Bidder considering area plot plan and its scale.