

NIT No. PNMM/PC-183/E/4008/NCB Dated 24.05.2021

REPLIES TO PRE BID QUERIES -LOT- 8 DATE 22.07.2021

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

TECHNICAL CLARIFICATION LIST

SL. NO.	PART / VOL.	PAGE NO.	CLAUSE NO. & Heading	SUBJECT	BIDDER'S QUERY	PMC/OWNER REPLY
1	REPLIES TO PRE BID QUERIES -LOT- 6 DATE 13.07.2021	1 of 13	SR NO -4 ,Clause No./ Line No.- 1.6 DESIGN SPECIFICATIONELECTRICAL	Heater control panel shall be installed in Offsite & utilities substation of respective plants.	<p>Based on the reply received from owner/PMC vide PRE BID QUERIES -LOT- 6 DATE 13.07.2021, cable length required to be considered by bidder is approx. 1000 M.</p> <p>We have calculated cable sizing, as per tender Design Specification - Electrical PC183/E/4008/SEC-VI/Part-3.3,Rev-P1,CLAUSE NO.6.0. (sl.no.I) .Now if we consider above cable length there will be substantial amount of vorage drop and it is not technically feasible. e.g. For a 30 KW motor required Cable size is 2Rx3Cx120sq.mm. (with considering maximum voltage drop at running 5% and starting voltage drop maximum 10% ) and condition is worst in case of UPS load and other lower rated motor.</p> <p>We would suggest owner/PMC to consider substation location within a maximum distance 200 mtr. from proposed IA/PA plant to minimize the cable size.</p> <p>We would request owner/PMC to review on above points and send confirmation based on which we will submit our Bid.</p>	<p>As per plot plan, Proposed utility control and substation building is already finalized and further no change is envisaged, However approx distance may be considered 500-600 m .The OUSS and Area earmarked for Inst. Air / Plant Air System are indicated in the Plot Plan, further it is clarified that bidder should calculate the exact distance from given plot plan.Drawing (Plot plan) is in scale. The grid number is already marked in the plot plant, distance between two grid is 100M.</p> <p>Point Closed</p>
2	SECTION -VI: TECHNICAL PART - 2.0 TECHNICAL SPECIFICATION	9 of 10	Clause NO. 3.3.9	Pressure drop across each Air Instrument dryer & across the system shall not exceed 0.5 Kg/cm <sup>2</sup> .	<p>0.5 Kg/cm<sup>2</sup> pressure drop across Air dryer is not possible. Minimum Pressure drop across each Air dryer will be 0.7 Kg/cm<sup>2</sup>.</p>	<p>As per NIT Point Closed</p>