



INSTRUMENT AIR & PLANT AIR SYSTEM  
TALCHER FERTILISERS LIMITED ODISHA (INDIA)

Talcher  
Fertilizers

Date: 18.08.2022

**AMENDMENT – II**

NIT, No. : PNMM/PC-183/E-4016/NCB Dated 15.07.2022

Sub.: INSTRUMENT AIR & PLANT AIR SYSTEM

This is for information of Bidders that Amendment-II date 18.08.2022 is being issued and shall be read in conjunction with the original Tender document issued on 15.07.2022 and all its subsequent amendments.

For & on behalf of  
Talcher Fertilizers Limited

P. R. Sahu  
Addl. G.M (M.M)  
Projects & Development India Ltd.



**SUBJECT: INSTRUMENT AIR & PLANT AIR SYSTEM AT TALCHER FERTILIZERS LTD**  
**NIT No.;** PNMM/PC-183/E- 4016/NCB Dated 15.07.2022  
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Sl. No.	Reference of Bidding Document				Existing Clause as per NIT	Amendment Type	Amended Clause
	Part / Sec	Page No.	Clause no	Subject / Heading		M/D/A	
1	SEC-VI/Part-3.3	4 of 31	1.4	Scope	The Owner shall make the following provisions in their respective switch boards/panels for the Instrument/Plant air package : (bidder to indicate power requirement of respective feeders) • 3 nos. of 11kV/3.3kV (As applicable) $\pm 10\%$ , 50Hz $\pm 5\%$ , Breaker feeder for main motor.	M	The Owner shall make the following provisions in their respective switch boards/panels for the Instrument/Plant air package : (bidder to indicate power requirement of respective feeders) • <b>4 nos.</b> of 11kV/3.3kV (As applicable) $\pm 10\%$ , 50Hz $\pm 5\%$ , Breaker feeder for main motor.
2	PC183/E/4016/SEC-VI/Part-3.3	SHEET 5 of 31	1.13		Mandatory Electrical spares for operation and maintenance of the electrical system shall be provided by the bidder as listed elsewhere in this bid package.	M	Electrical spare shall be provided as per clause no 6.0 of Design Specification- Electrical
3	PC183/E/4016/SEC-VI/Part-3.3	SHEET 12 of 31	5.3 (s)		Motors rated 1000kW and above shall have suitable measures to prevent flow of shaft currents and shall have 2 sets (i.e. 6 nos.) of PS class CTs for differential Protection. Also sizing calculation of differential protection CT shall be submitted after Order for TFL/PDIL review.	M	Motors above 500Kw shall have suitable measures to prevent flow of Shaft currents and shall have 2 sets (i.e. 6 nos.) of PS class CTs for differential Protection. Also sizing calculation of differential protection CT shall be submitted after Order for TFL/PDIL review.



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4	PC183/E/4016/SEC-VI/Part-3.3	SHEET 20 of 31	6.6.7	Spares	<b>Commissioning Spares:</b> Bidder to recommend list of commissioning spares as required. The commissioning spares shall form an integral part of the scope of supply. Vendor shall be responsible for the quantification of the commissioning spares for the smooth start up of the plant/ package system. <b>Mandatory Spares:</b> Mandatory spares shall form an integral part of the scope of supply. Mandatory Spares as per spare list attached with NIT, shall be supplied. Any other spare parts not specified, but required, shall also be quoted along with the Recommended quantity in the offer.	M	Refer clause 6.0 SPARES for spares of HV soft starter (FCMA type) also of Design Specification- Electrical.



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5	PC183/E/4016/SEC-VI/Part-3.3	SHEET 9 of 31	4.1	SYSTEM DETAILS AND UTILIZATION VOLTAGES	Motors up to 150 KW 415V, 3 Ph AC  Motors above 150 KW up to 1000 KW: 3.3 KV, 3 Ph AC  Motors above 1000 KW: 11 KV, 3 Ph AC  Heaters 415V, 3 Ph AC	M	Motors up to 150 KW 415V, 3 Ph AC  Motors above 150 KW up to 500 KW: 3.3 KV, 3 Ph AC  Motors above 500 KW: 11 KV, 3 Ph AC  Heaters 415V, 3 Ph AC
6	PC183/E/4016/SEC-VI-3.4	723 of 1064	2.0	Documentation	List of spares (item wise & qty) for commissioning and 2 years of operation.	M	List of Mandatory spares (item wise & qty ) for 2 (two) years
7	PC183/E/4016/SEC-VI-PART 4.0	824 of 1064	4.0	List of Drawing & Documents	List of spares (item wise & qty) for commissioning and 2 years of operation.	M	List of Mandatory spares (item wise & qty ) for 2 (two) years
8	PC183-E-4016-P-VI-3.2.1 (SOW)	3 of 3	1.1	Scope of supply (For Static Equipment)	Supply of mandatory spare parts (for two year operation) and commissioning spares <b><u>Attached elsewhere in NIT package.</u></b>	M	Supply of mandatory spare parts (for two year operation) and commissioning spares <b><u>As per PC183/E/4016/P-VI-Sec 5 of NIT document.</u></b>



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9	PC183/E/4016/SEC-VI/PART-1.0	325 of 1064	1.1	GENERAL DESCRIPTION OF PACKAGE:	IA Dryer working/regeneration cycle shall be as follows: Cycle Time for Adsorption: 8 hrs approx Cycle Time for Regeneration: 8 hrs. (Heating 6 hrs approx. & Cooling 2 hrs approx). Type - Heat of Compression with No Purge Loss type Instrument Air Dryers, of capacity 4500 Nm <sup>3</sup> /hr (2 working x 50%).	M	IA Dryer working/regeneration cycle shall be as follows: Cycle Time for Adsorption: 8 hrs approx Cycle Time for Regeneration: 8 hrs. (Heating 6 hrs approx. & Cooling 2 hrs approx). <b>Type - Heat of Compression with No Purge Loss split flow type Instrument Air Dryers, of capacity 4500 Nm<sup>3</sup> /hr of each dryer (2 working) <del>x 50%</del>.</b>

**M: MODIFICATION, A: ADDITION, D: DELETION**

**Note: - The clauses in Amendment shall take precedence/superseded over all other pre bid replies against the respective clause.**