

**PRE BID REPLIES (LOT 4)– Fire Fighting System
M/s TALCHER FERTILIZERS LIMITED**



PROJECT : FIRE FIGHTING SYSTEM FOR OSBL FACILITIES ON PACKAGE BASIS
TENDER ID : 2022_PDIL_674308_1
TENDER REF NO. : PNMM/PC-183/E- 4012/NCB
OWNER : M/s TALCHER FERTILIZERS LIMITED



SL No.	CLAUSE NO.	DOCUMENT NO	BIDDERS QUERIES	PMC REPLIES on 20.04.2022
1	8.4	PC183-TFL-4012-603-SEC-VI-8.0 DESIGN PHILOSOPHY INSTRUMENTATION	Sequence of event (SOE) cards to be considered . But as per application is it really required ? Plz confirm .	SOE shall be considered as per NIT page no 844 of 1261 & clause 8.4.
2	8.1.1.g	PC183-TFL-4012-603-SEC-VI-8.0 DESIGN PHILOSOPHY INSTRUMENTATION	I/Os card density will be as per the OEM standard.	I/Os card density shall be as per NIT page no 842 of 1261 & clause 8.1.1.g
3	1	PC183-TFL-4012-603-SEC-VI-8.0 DESIGN PHILOSOPHY INSTRUMENTATION	Here we are not considering the scope of supply of UPS . Kindly Confirm . Also kindly provide the distance between source of UPS power and PLC .	Distance between source of UPS and PLC shall be around 2000 Mtr, However Bidder to find exact distance by referring area plot plan attached with the Tender
4	1	PC183-TFL-4012-603-SEC-VI-8.0 DESIGN PHILOSOPHY INSTRUMENTATION	"All PLC panels (System & marshalling including IRP) to be located in Fire control room". Plz clear this point.	"All PLC panels (System & marshalling including IRP) to be located in Fire control room.
5	General	PC183-TFL-4012-603-SEC-VI-8.0 DESIGN PHILOSOPHY INSTRUMENTATION	Kindly share the automation configuration diagram if any .	The same shall be carried out by Bidder during detail engineering.
6	General	PC183-TFL-4012-603-SEC-VI-8.0 DESIGN PHILOSOPHY INSTRUMENTATION	We are not considering any Inter plant cable tray , earthing in our scope .Same will be within the battery limit only.	Please refer NIT page no 812 of 1261 clause 1 (Instrument and Control Philosophy) for the scope.
7	General		Plz provide the cable tray layout in the cable celler room in MCC	Cable Tray layout shall be provided during detailed engineering.
8	XXVII	PC183-TFL-4012-603-SEC-VI-2.0 CONTRACTOR'S SCOPE OF WORK	For interconnection between OSBL and ISBL facilities, please provide the communication protocols .	For Fire Detection & Alarm System, MODBUS over TCP/IP shall be considered. refer the uploaded pre bid replies and amendments.
9	13.1	PC183-TFL-4012-603-SEC VI-7.0 DESIGN SPECIFICATION- ELECTRICAL	Please provide the dimension/ GA Drawings for design of the Fire alarm detection system. Also kindly indicate the floor nos , requirement of false roofing , False flooring etc	Dimension / GA Drawing as available presently is attached in the NIT.
10	13.1	PC183-TFL-4012-603-SEC VI-7.0 DESIGN SPECIFICATION- ELECTRICAL	Our understanding is we have to consider minimum 6 nos FAC Panels for the list of facilities as indicated in 13.1. 2 Nos Repeater panel to be considered in Fire control Room and Fire station building	The quantity of FACPs and Repeater Panels are minimum and shall be finalised as per System Design Requirement. refer the uploaded pre bid replies and amendments.
11	General	PC183-TFL-4012-603-SEC VI-7.0 DESIGN SPECIFICATION- ELECTRICAL	Please provide the cable Tray / Conduit routing distance or kindly provide the Plant cable Tray routing diagram for the same .	The location of various Buildings/Substations/ Control Rooms/Plant are indicated in Plot Plan. Detailed cable Route shall be finalised during detailed engineering.
12	5	PC183-TFL-4012-603-SEC VI-3.0 SECTION VI-3.0 DESIGN PHILOSOPHY-PROCESS	Gas detector are in the scope of Amonia / Urea package vendor . So plz quantify the quantity for the same	Gas detectors for Toxic/flammable service in piping/equipment system in OSBL area (Ex. OSBL pipe rack etc..) is in fire fighting bidder scope. Further details shall be provided during detail engineering.
13	1	Fire water demand by ISBL & OSBL	As per TS each facility is having with specific flow rate of Fire water. Then should we consider flow transmitter at each distribution point.	As per detail engineering by Bidder.
14		Attachment -3 PMS & VMS	We have considered all the pipe fittings as per PMS . Plz Confirm .	Please refer the uploaded pre bid replies and amendments.

Fire Detector & Alarm System

SL No.	CLAUSE NO.	AREA	BIDDERS QUERIES	PMC REPLIES on 22.04.2022
15		Existing Fire Station building (First Aid centre)	Please provide exact workable area for proper estimation of the FDA system	Refer Drawing of Building. Complete Building shall be considered for FDA System.
16		Technical building(Existing)	We are assuming technical & Admin building are in a single Building . Plz Confirm	These are separate Buildings. Drawings already attached in the NIT.
17	PC183-TFL-4012-603-SEC VI-7.0 DESIGN SPECIFICATION- ELECTRICAL Fire Detector & Alarm System	Admin Building (Existing) & Technical building	Should we consider the FDA system for the entire area ? If not then Plz provide the exact workable area for proper calculation for FDA ayatem	Complete Building shall be considered for FDA System.
18		Canteen building	Should we consider the FDA system for the entire area ? If not then Plz provide the exact workable area for proper calculation for FDA ayatem	Complete Building shall be considered for FDA System.
19		Central Store (Existing)	Should we consider the FDA system for the entire area ? If not then Plz provide the exact workable area for proper calculation for FDA ayatem	Complete Building shall be considered for FDA System.
20		Elect & Inst Workshop (Existing)	Should we consider the FDA system for the entire area ? If not then Plz provide the exact workable area for proper calculation for FDA ayatem	Complete Building shall be considered for FDA System.
21		Mech Workshop(Existing)	Should we consider the FDA system for the entire area ? If not then Plz provide the exact workable area for proper calculation for FDA ayatem	Complete Building shall be considered for FDA System.
22		Training Center(Existing)	Should we consider the FDA system for the entire area ? If not then Plz provide the exact workable area for proper calculation for FDA ayatem	Complete Building shall be considered for FDA System.
23		Urea Product handling(Bagging Building + Bagging sub station + MCC Room)	Please provide exact workable area for proper estimation of the FDA system.	Substations, MCC Rooms, all Rooms, Store Rooms, Compressor Area etc. shall be considered for FDA System.

WATER SPRINKLER SYSTEM

24		Technical building(Existing)	We are assuming technical & Admin building are in a single Building . Plz Confirm	Both are separate Buildings.
25		Transformers(All)	Transformers will be as per the Drg No L & T/EAIC/ESE/TFL/B/02-Rev - C. Plz Confirm.	Transformers of 10 MVA and above rating or in case of oil filled transformers with oil capacity of more than 2000 liters, as per CEA Safety Regulation. Refer the uploaded pre bid replies and amendments.