

PROJECT : COAL GASIFICATION BASED FERTILISER PLANT AT TALCHER, ODISHA  
TENDER NO. : PNMM/PC-183/E-4006/NCB ELECTRICAL DISTRIBUTION SYSTEM  
SUBJECT : REPLY TO PRE-BID QUERIES : LOT6 Dated 17.06.2021

Sl. No.	Reference of Tender Document				Bidder's Query	PDIL/TFL's Reply
	Section No.	Page No.	Clause No.	Subject		
1.	VI-3.1 : Design Philosophy – Electrical	39 of 97	6.29	Note No. 38 Differential relay  Cable Differential relays for outgoing feeders (for Owner's use) shall be supplied as free issue. However, same shall be installed in LSTK Contractor's switchgear by LSTK Contractor. Cable Differential Relay in 220KV GIS Incomers at MRSS & OPTCL Switching Substation and all the cables shall be in LSTK Contractor's scope. Cable Differential relay will be of Fiber Optic Cable based communication only.	Please clarify Differential relays to be considered in our scope.	LSTK Contractor shall consider Deferential relays (FO based Numerical relay as per NIT) at both ends for all switchgears supplied by them.  In addition to the above ,LSTK Contractor to consider the following Deferential relays at both ends of Owner's use Feeders (LSTK Contractor's Switchgear and Owner's Switchgears) as below :  1. 33 kV GIS : 4 Nos. Feeders + 2 Nos. Spare Feeders 2. 11 KV Switchgear at MRSS : 6 Nos. Feeders + 6 Nos. Spare Feeders. 3. 11 KV Switchgear at OUSS : 6 Nos. Feeders + 8 Nos. Spare Feeders
2.	General				Please provide all Substations switchgear details for Soft signals.	LSTK Contractor shall consider Minimum 20,000 Soft Signals in ECMS for entire fertiliser complex (19 Nos. Substations, excluding MRSS and OUSS) apart from I/O List already provided in Amendment. Details shall be finalised during detailed engineering.  ECMS Spare Capacity shall be as per NIT over the above minimum requirement.
3.	Specification Sheet 33 / 11.5 KV Transformers				Please confirm whether RTCC Panel & AVR is required for 33/11.5 KV Transformers.	As Off Circuit Tap Changer is considered for 33/11.5 KV transformers, RTCC Panel & AVR is not required.