

PROJECT : COAL GASIFICATION BASED FERTILISER PLANT AT TALCHER, ODISHA  
TENDER NO. : PNMM/PC-183/E- 4011/NCB OFFSITE AND UTILITY COOLING TOWER  
SUBJECT : REPLY TO PRE-BID QUERIES : LOT 4 Dated 15.07.2022

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SL. NO.	REFERENCE OF TENDER DOCUMENT				Description	Bidder Query	PDIL/TFL's Reply
	Section. No.	PDF Page No.	Clause No.	Subject			
1				GENERAL	SOIL INVESTIGATION	As per revised Plot Plan Drawing No PC183-0000-0001, Rev 1_OP, the proposed Cooling Tower Package is located at around 300° N / 800° E.  report of nearby area should have been shared for the reference. The Soil report enclosed as part of your Response to Pre-Bid Queries Lot 1 for Zone 01 (BH-01 to 14 & BH-16 to 33) and for Zone 2 (BH-15). Based on the available Borelog Data, BH-01 is located at 20°91'23.16"N / 85°16'37.22" E. Borelog Data for BH-02 to 14 & BH-16 to 33 and BH-15 is not available with us.  Based on the above, it is evident that BH-01 is not for an area near to the proposed cooling tower package location.  We understand that the bidders have to conduct fresh soil investigation during execution of the contract & all type of foundations shall be in Contractor's scope based on fresh soil investigation report recommendations. However, for bidding purpose, we require detailed soil report along with borelog data, topographical survey report and FGL / NGL details for a location at least near to the cooling tower package location, as confirmed by you in your pre-bid response.  We therefore, request you to furnish the detailed soil report along with borelog data, topographical survey report and FGL / NGL details for the cooling tower package location or at least for a location nearby.	Soil investigation data for nearby area is now available and attached herewith. But kindly note that it is for reference purpose only. And successful Bidder has to conduct fresh soil investigation in their area for design purpose. (2) For FGL/NGL details, kindly refer attached Layout plan for balance land development plan. (it was already attached in NIT but now updated drg is available)
2				GENERAL	SOIL INVESTIGATION	Based on our recently conducted site visit, the location earmarked for the cooling tower package is a filled-up soil / dumping ground with EGL almost 5.0 M above surrounding levels. As per tender document & based on your response to Pre-Bid Queries Lot 1, we understand that graded site will be handed over to cooling tower contractor i.e. all excavation, cutting of bushes, clearing of Cooling Tower area & grading works are in Purchaser's scope. So kindly re-confirm the same	Confirmed. Graded land shall be provided by TFL/PDIL. However, micro grading works to be carried out by successful Bidder.
3				GENERAL	SOIL INVESTIGATION	As per the available net safe soil bearing capacity as well as N values appearing in the soil report for a different location, pile foundation is not applicable. However, based on our site visit and the available soil profile, we are skeptical about the available SBC and the basis of design.  In view of the above discrepancy, we are not in a position to proceed with design of the Civil structures / costing. Hence request you to provide sufficient clarity on this matter so that we could make a precise technical and commercial bid.	Soil investigation data for nearby area is now available and attached herewith. But kindly note that it is for reference purpose only. Bidder to study and derive soil parameters on their own understanding. Bidder shall not be allowed to claim any additional charges in future, if any variation in soil profile would be observed in their fresh report.
4	SECTION-VI		1.17		Design Philosophy - Electrical	Pertaining to SI No. 1.17 of Section VI- 6.0 Design Philosophy - Electrical, we understand the following:  1. For LT Switch gear, protection / control of outgoing feeder of 415V Switchboard at Purchaser's Offsite & Utilities Substation to LSTK contractor's Switchboard (including CT for protection, relay, breaker, etc.) will be arranged by Owner / Consultant / Others. Please confirm.  We confirm that LSTK contractor's scope includes (only) outgoing cables from Purchaser's 415V Switchboard located at Offsite & Utilities Substation upto LSTK contractor Switchboard.	Bidder's understanding is correct. However, all the cables (Power, Control, Inter-tripping, Protection, Signal, Communication etc.), its termination at both end, cable laying including cable tray and its support structure shall be in bidder's scope.
5				GENERAL	Electrical	For HT Switch gear, protection / control for outgoing feeder of Purchaser's 3.3kV/11kV Switchboard at Offsite & Utilities Substation to LSTK contractor's motors for CW Pumps (including CT for protection, relay, breaker, etc.) will be arranged by Owner / Consultant / Others. We confirm that we will consider only outgoing cables (Power & Control) from Purchaser's 3.3kV/11kV Switchboard located at Offsite & Utilities Substation upto CW Pumps. Please confirm.  However, we need the distance / route length to be considered for including above cables to enable us estimate our cabling cost accurately.	Bidder to consider exactly identical CT for differential protection (as provided in the switchboard in owner's scope installed at offsite & utilities substation-OUSS), so that the motor protection considered in switchboard works perfectly fine without any issue due to mismatch in the same. Details of the same will be provided during detailed engineering. Also, all the cables (Power, Control, Protection, Signal, Communication etc.), its termination at both end, cable laying including cable tray and its support structure shall be in bidder's scope.  Refer Plot plan attached with the NIT. Offsite & utilities substation (OUSS) and Cooling Tower Area both are marked in the Plot Plan.
6				General	pipng	As per your Response No. 115 to Pre-Bid Queries Lot 1, our scope of hot water piping includes only riser pipes (1 no. per cell) each terminating at basin curb level. Hence we are ignoring your your Response No. 27 to Pre-Bid Queries Lot 3. Kindly confirm.	Bidder shall provide their piping with isolation valve upto the cooling tower package area battery limit.