

LSTK-2: SYNGAS PURIFICATION UNIT**(NIT NO.: PNMM/PC288/E/001)****Pre Bid Clarification : Set-1, Part 2 of 4 (Technical)**

S. No.	Reference of Bidding Document				Bidder's Query	Owner's / PDIL's Reply dtd. 26.07.2027
	Section	Page No.	Clause No.	Subject		
1	PC288-TS-0807	3 OF 8	5.1.1	The sheet steel enclosure for enclosing and supporting the bus-bars shall be made out of 14 SWG sheet steel, bolted on the angle iron frame work.	Bidder propose for enclosure thickness as 3mm aluminium sheet as per standard design.BCGCL/PDIL to confirm.	As per NIT
2	PC288-TS-0807	4 OF 8	5.2.4	The bus-bars shall be rectangular in shape and cross-sectional area of neutral bus-bars shall be half of phase bus-bars.	Bidder understand that Busbar shall be box type or of single channel depending upon current rating. BCGCL/PDIL to confirm.	As per NIT
3	PC288-TS-0807	4 OF 8	5.2.6	All the bus-bars shall be bare and without any painting.	Bidder propose for painting of busbas with matt black paint to increase heat dissipation due to radiation. BCGCL/PDIL to confirm	Noted
4	PC288-TS-0807	5 OF 8	5.6.2	The supports shall be of moulded construction of fibre glass reinforced with thermosetting plastics or superior materials. The supports, where necessary, shall either have built-in anti-tracking barriers or painted with anti-tracking varnishes.	Bidder propose for support for LV duct shall be of FRP and for HV duct insulator support shall be of epoxy resin. BCGCL/PDIL to confirm.	Noted
5	PC288-TS-0807	5 OF 8	6.3	Two sets of epoxy moulded fire barriers shall be provided on switchgear end as well as transformer end	Bidder propose for Epoxy seal off bushing shall be provided for HV busduct and FRP sheet shall be provided for LV busduct at termination for switchgear end and transformer end. BCGCL/PDIL to confirm.	Noted
6	PC-288/E/Sec-5.4	51 of 77	9.13.1	The bus bars and connection shall be made of electrolytic grade copper / Aluminium. All busbars shall be insulated with Raychem sleeving.	Bidder propose as busbar shall be either box type or of single conductor sleeving is not possible on the same. Black matt paint shall be done on busbar. Same arrangement has been provided for all projects of other central utilities, SEB's etc. BCGCL/PDIL to confirm.	Noted
7	PC-288/E/Sec-5.4	51 of 77	9.13.3	The bus bar insulators shall be non-hygroscopic, non-inflammable material. Earth bus shall run along the full length of bus duct without any break	Bidder propose for support for LV duct shall be of FRP and for HV duct insulator support shall be of epoxy resin. BCGCL/PDIL to confirm.	Noted
8	PC-288/E/Sec-5.4	51 of 77	9.13.5	Bus duct shall be supplied with bus bar flexible links for connection at both the ends and expansion joints for every 3M of bus-duct and bus duct support materials.	Bidder propose for expansion joint(rubber bellow) to be provided at termination and at a distance of 30mtrs. However,flexible joints in conductor shall be provided at every 3mtrs. BCGCL/PDIL to confirm.	Noted.