

NEEPCO REPLY TO ADDITIONAL TECHNICAL PREBID QUERIES OF PROSPECTIVE BIDDER. AGAINST LNIB NO. 349 DATED 04-02-2020

Sl. No.	Reference Clause / Clause Heading / Section / Page Number	As given in Bid Document	Pre-bid queries / Modification Required	Replies / Comments of NEEPCO	Additional Queries	Replies / Comments of NEEPCO
1.	SECTION-IV: TECHNICAL SPECIFICATIONS / Cl. No.-1.5	Design Pressure	Please provide the allowable transient pressure (water hammer) for penstock. Please provide also the maximum surge level in the surge tank.	The maximum pressure rise considered for design of Penstock is 35 % of the static head, at turbine inlet. The static head for the Penstock is approx. 348.0 m. The maximum surge level in Surge Shaft is 623 .50 MASL.	As per cl. no. 1.3.1 of section IV : Technical specifications, static head is 135 m for penstock butterfly valve. If we consider the maximum pressure rise of 35%, the design pressure would be 182.25 m (1.35 X 135 m). Please confirm the design pressure of 182.25 m for considering to all bidders.	It is to be noted that the as per standard practice, the Design Pressure to be considered as two times of working pressure. As such, design pressure shall be finalized during detail engineering conforming to relevant IS or International standards.
2.	SECTION-IV: TECHNICAL SPECIFICATIONS / Cl. No.-1.5.(v) & SECTION-IV: TECHNICAL SPECIFICATIONS / Cl. No.-1.14.2.(b)	Test Pressure for Leakage Test	Leakage test of main seal (water) shall be performed at 1.1 times of maximum static pressure as specified in Cl. No.-1.14.2.(b). Kindly confirm.	Cl. No. 1.14.2 may be read as; Quote: " 1.14.2 Each valve shall be tested with water as the test medium and shall be subjected to following tests; a) Body Test: With both ends closed either by full end covers or by hollow cylindrical covers, a hydrostatic pressure of one and a halftimes the design pressure shall be applied for a period of at least 30 minutes. There should be no leakage through the body or any trunnion seals. The test should reveal that no structural damage is caused. b) Disc: The disc shall be hydraulically tested for a duration of 30 minutes for a test pressure of one and a half times the design pressure. The test should reveal that no structural damage is caused. c) Seal: A pressure of one and a half times the design pressure shall be applied with one end open to the atmosphere and the disc in closed position	Replied for point no. (c) Seal, seal test shall be performed at design pressure as per IS7326. Kindly confirm.	Agreed. However, Design Pressure shall be finalized during detail engineering.

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				for a period of 30 minutes. The leakage from downstream main seal and upstream isolating seal should not exceed 2 litres per minute per metre periphery and 6 litres per minute per metre periphery respectively. " Unquote Clause no. 1.5 (v) shall remain unchanged.		
3.	SECTION-IV: TECHNICAL SPECIFICATIONS / Cl. No.-1.8	Drawing	We don't find any drawing "DRG No. D&E/EM/KHEP-RESN/BFV/T-DRG/01: ARRANGEMENT" for existing butterfly valve in tender documents. Kindly provide.	Drawing no. D&E/EM/KHEP-RESN/BFV /T-DRG/O 1 is enclosed herewith once again.	We don't find any center line level for this penstock butterfly valve. Kindly share the valve centerline level.	479 metres approx. The exact value is to be obtained by the successful bidder in his site visit during detail engineering.
4.	SECTION-IV: TECHNICAL SPECIFICATIONS / Cl. No.-1.9.1.(D)	Screw type operating mechanism for maintenance seal	Alternatively, Water operated maintenance seal shall be provided. Kindly confirm.	NIT stipulations shall prevail.	We request you again alternatively to accept water operated maintenance seal. Kindly give your acceptance.	NIT Stipulations shall prevail.
9.	SECTION-IV: TECHNICAL SPECIFICATIONS / Cl. No.- 1.15.3.(iii)&(iv) & CORRIGENDUM No.02 Dated 13/03 /2020 to LNIB. No.349 Dated: 24/02/2020 / Clause No.1 .1.1 , Sec- IV, Technical Specifications.	Inspection and tests at sit / Leakage Test & Pressure test	Leakage test & pressure test at site shall not be performed, if this test has been already performed at workshop. Kindly confirm.	NIT stipulations shall prevail. Design, Engineering, Manufacture, Testing at Manufacturer's Works before Dispatch, Supply, Transportation, Transit insurance, Delivery at project site, Unloading of:	As per corrigendum no-2 dated 13/03/2020, tender calls for delivery at site only. So we understand that leakage test & pressure test shall be performed at workshop only. Kindly confirm.	Agreed.

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10					We request you to kindly confirm the size of existing air valve size also.	The nominal diameter of the Air valve of the existing Butterfly Valve of Kopili HEP may be considered as 200(two hundred) mm
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