

Clarifications No. 02 Dated 06.05.2014 to Bid Queries

NIB No. 93 Dated 11.04.2014

Name of work: Design, Fabrication, Supply, Erection and Commissioning of Spillway Gates operated by Rope Drum Hoist, Hoist Bridge including associated civil works required for erection of the gates in Khandong Dam of Kopili Hydro Electric Project (275 MW), Umrongso, Assam.

Sl. No.	Stipulation of Detailed Bid Documents	Bid Queries raised by the Bidders	Clarification by NEEPCO
1.	<p>Clause 2(iii) of Part-B (H-M Works), Vol-3, Part-I</p> <p>7 (Seven) numbers of Steel Hoist Bridge over the Overflow section of dam for maintenance of the Gates as well as for Traffic movement (Deck level for traffic is 737.61 m). Elevated Hoist supporting Steel Structures with a Hoisting Platform at top with hand rails and a Service Platform at bottom (i.e. at the Bridge Deck level) with dogging and latching arrangement complete shall be provided.</p>	<p>Clause 2(iii) of Part-B (H-M Works), Vol-3, Part-II</p> <p>The width of bridge has not been specified. You are requested to specify width of the bridge and also its location.</p> <p>Prima facie it will not be possible to accommodate bridge and also trestles for supporting hoist bridge at EL. 747 within 10m long piers. Please clarify.</p>	<p>Sl. No.9 of Corrigendum No. 02 Dated 06.05.2014 may be referred to.</p>
2.	<p>Clause 3.1 Part-B (H-M Works) of Volume-3 Part-II:</p> <p>m) Design Head = 7.0 m</p>	<p>The head for EL 725.00m works out to be 6.17m (725.00m – 718.83m). Kindly clarify.</p>	<p>Head of 6.17m is rounded up to 7.0m.</p>
3.	<p>Clause 3.5.5 Part-B (H-M Works) of Volume-3 Part-II:</p>	<p>Parameters for Bridge for Traffic Movement:</p> <p>Item No. B1.1.(d) of the BOQ appended in Volume-V provides for submission of rates for 7 sets of Hoist bridge for operation of vertical gates and for traffic movement. As per provision contained in clause 3.5.5 & 3.5.5.1 of the specifications – Volume-3 the hoist is to be supported on hoist bridge at EL. 747m whereas the bridge for traffic movement is to be provided at EL. 337m. Drawings & Design parameters with loading & specifications for the traffic bridge, however, is not provided in the bid document.</p> <p>We would therefore request you to kindly</p>	<p>Sl. No.9 of Corrigendum No. 02 Dated 06.05.2014 may be referred to.</p>

	<p>confirm whether scope under item No. B1.1(d) of BOQ covers traffic bridge also, and if so, the width of the bridge with drawings or detailed design parameters, specifications and loading etc. may be furnished. Kindly also clarify whether the said traffic bridge is to be constructed out of concrete/steel deck over steel girder beams.</p>	
<p>4.</p>	<p>Design & Drawings for civil work and traffic bridge: It is understood that the detailed construction drawings for the piers up to EL. 337.61m with reinforcement details and that of the traffic bridge will be prepared by the employer and furnished to the contractor for execution immediately on award of the work. Kindly confirm the same.</p>	<p>The elevation of Piers shall be EL. 737.61m. Construction Drawings for the Piers will be provided by NEEPCO. Design & Drawings for Traffic Bridge will be in the Scope of Contractor.</p>
<p>5.</p> <p>Drawing No. NEEPCO/GHY/KHEP/Civil/SH 2 of 2 of Volume-4</p>	<p>Dismantling and fresh concreting of intermediate piers: We understand that the hatched portion shown in Drawing No. NEEPCO/GHY/KHEP/Civil/SH 2 of 2 decides the extent of dismantling and fresh concreting contemplated to be done in the intermediate piers. Kindly confirm the same to understand that no under water dismantling or laying of concrete is involved.</p>	<p>Extent of dismantling and fresh concreting contemplated as shown in the drawing. However it may slightly vary depending on design and construction requirement. To accommodate the Trestles for supporting Hoist Bridge and Traffic bridge in 10m long Pier, Cantilever projection of Pier by 2.0 to 3.0m at EL 737.61m may be required. No under water dismantling or laying of concrete is contemplated.</p>
<p>6.</p> <p>Item No A4 of BOQ, Volume-6:</p> <p>Providing applying "XYPEX" concrete Waterproofing & Durability Enhancement by Crystallization " to be supported by at least two International Test reports showing clear Scanning Electron Microscopic (SEM) photographs of desified and mature crystals forming to plug all the capillary tracks and pores of the concrete permanently and</p>	<p>Providing & applying "XYPEX" concrete under Item No. A4 of the BOQ: We understand that the said work is contemplated on the pier surface u/s of the gate groove up to EL 337.61m and does not involve any under water work. The same may kindly be confirmed.</p>	<p>Providing & applying of "XYPEX" concrete under item No. A4 of the BOQ is contemplated on all new concrete of pier surfaces up to EL 737.61m & 2nd stage concrete of spillway portion (Sill Beam) and does not involve any under water work.</p>

<p>permeability test as per IS 2720 conducted by CBRI. The concrete should not absorb water more than a.5 grams and not more than 1mm from the concrete surface. The product to be listed in ICC-ES-EVALUATION REPORT INDEX January 2009. The treatment to be carried out on the concrete surfaces as per manufacturer's specification.</p>		
<p>7. Item No A5.1 of BOQ, Volume-6: Applying Epoxy based bonding agent Master Bond EP after totally saturating the cleaned concrete surface with clean water for proper bonding of old and new concrete.</p>	<p>Repairing of wall concrete – Item No. A5.1 of the Schedule: We understand that Epoxy Based bonding agent provided under item A5.1 shall be applied on the exposed dismantled pier concrete surface before laying fresh concrete over the same for ensuring proper bonding. The said item does not involve any underground work. Kindly confirm the same.</p>	<p>Providing & applying of Epoxy Based Bonding Agent under Item A5.1 shall be applied on the exposed dismantled pier concrete surface and sill beam groove before laying fresh concrete over the same for ensuring proper bonding and does not involve any underground work.</p>


06/05/14


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(S. G. ASHWINI)