



नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Govt. of India Enterprise)

ISO 9001 & 14001
OHSAS 18001

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Corrigendum No.02 Dated 06.05.2014

To

NIB No.93 Dated 11.04.2014

Name of Work: Design, Fabrication, Supply, Erection and Commissioning of Spillway Gates operated by Electrically operated 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.

Corrigendum to Clauses of the following Volumes of the Detailed Bid Documents of the above mentioned work is enclosed herewith at **Annexure-I**, which shall supersede the earlier stipulated clauses.

- i) Volume-1, Part-I: Notice Inviting Bids
- ii) Part-B (H-M Works), Volume-3, Part-II: Particular Technical Specifications

All other terms and conditions contained in the Detailed Bid Document shall remain unchanged.

Deputy General Manager(C)
(Contracts & Procurement)

Annexure-I

(To Corrigendum No. 02 Dated 06.05.2014)
Refer NIB No. 93 Dated 11.04.2014

Corrigendum on stipulation of Bid Documents

Sl. No	Reference of Clause of Detailed Bid Documents	Stipulation of Detailed Bid Documents	Modified Stipulations
Notice Inviting Bids: Volume-1, Part-I of Detailed Bid Documents			
1.	Clause 6.2 (b) Civil Works	Successful execution of atleast 4300 cubic meter of concreting in structures involving erection of gates in not more than 2 works in Hydro Electric Projects or Water Resource Projects during the period of 10 years ending on the date in which this NIB is floated.	Successful execution of atleast 4300 cubic metre of concreting in structures involving erection of gates in not more than 2 works in Power Projects or Water Resource Projects during the period of 10 years ending on the date in which this NIB is floated.
2.	Clause 11(b), (c), (d) & (e) Tender timeline	Clause 11 Tender timeline (b) End date and time for downloading of Detailed Bid Document upto 10:00 Hours (IST) of 14.05.2014. (c) Last date & time for receipt of online bids: Upto 12:00 Hours (IST) on 14.05.2014. (d) Last date & time for receipt of offline documents: Upto 12:00 Hours (IST) on 14.05.2014. (e) Date & time for opening of Techno-Commercial bids online: At 13:00 Hours (IST) on 14.05.2014.	Clause 11 Tender timeline (b) End date and time for downloading of Detailed Bid Document upto 10:00 Hours (IST) of 15.05.2014. (c) Last date & time for receipt of online bids: Upto 12:00 Hours (IST) on 15.05.2014. (d) Last date & time for receipt of offline documents: Upto 12:00 Hours (IST) on 15.05.2014. (e) Date & time for opening of Techno-Commercial bids online: At 13:00 Hours (IST) on 15.05.2014.
Particular Technical Specifications: Part-B (H-M Works), Volume-3, Part-II of Detailed Bid Documents			
3.	Clause 3.1 (n)	n) Skin plate : at downstream side	n) Skin plate : at upstream side
4.	Clause 3.1 (o)	o) Sealing: downstream side	o) Sealing: at upstream side
5.	Clause 3.1.1	3.1.1. The gate shall be designed for the following loads: - The full hydrostatic load on u/s water level at 725.00 m a.s.l. and gate closed, - In addition to the water head difference, the gates shall be designed for the thrust of floating material with a weight of 10 kN for a single tree, - The total hydrostatic, hydro-	3.1.1 The gate shall be designed for the following loads: - The full hydrostatic load on u/s water level at 725.00 m a.s.l. and gate closed, - The total hydrostatic, hydro-dynamic and frictional forces occurring when the gates are raised, lowered or maintained partially open, with the u/s water level at any elevation between

		dynamic and frictional forces occurring when the gates are raised, lowered or maintained partially open, with the u/s water level at any elevation between 725.00 m a.s.l. and 736.00 m a.s.l., and wind load on the gates in raised position, • The dead weight of the gates, • The gate and its components shall be designed that the stresses in different members due to dynamic loads in the closed position do not exceed the permissible stresses, • It must be possible to raise the gates at the maximum flood level (MWL).	727.00 m a.s.l., and wind load on the gates in raised position, • The dead weight of the gates, • The gate and its components shall be designed that the stresses in different members due to dynamic loads in the closed position do not exceed the permissible stresses, • It must be possible to raise the gates at the flood level of 727.00m a.s.l.
6.	Clause 3.5.1.1 (a)	a) The built-up construction with downstream skin plate and seals and other components of the gates shall be designed to withstand the full unbalanced upstream head corresponding to full reservoir level fitted in accordance with IS: 4622.	a) The built-up construction with upstream skin plate and seals and other components of the gates shall be designed to withstand the full unbalanced upstream head corresponding to full reservoir level fitted in accordance with IS: 4622.
7.	Clause 3.5.1.1(c)	c) The gate leaf shall be of all welded construction. Provision shall be made to drain water from horizontal members. All welds shall be continuous and the size of fillet welds shall be as per design requirements or approximate to the thickness of the thinnest member of the joint whichever is more. The gate leaf shall be fabricated in three sections with semi flexible splice joint to ensure even bearing. All cuttings, chamfering and other necessary preparations of each part for field connection purpose shall be done at the Contractor's shop. Adequate temporary bolting for field connections shall be provided to hold sub-assemblies rigidly and proper positions during field connections.	c) The gate leaf shall be of all welded construction. Provision shall be made to drain water from horizontal members. All welds shall be continuous and the size of fillet welds shall be as per design requirements or approximate to the thickness of the thinnest member of the joint whichever is more. The gate leaf shall be fabricated in at least two sections with semi flexible splice joint to ensure even bearing. All cuttings, chamfering and other necessary preparations of each part for field connection purpose shall be done at the Contractor's shop. Adequate temporary bolting for field connections shall be provided to hold sub-assemblies rigidly and proper positions during field connections.
8.	Clause 3.5.1.1 (d)	d) The skin plate shall be on the downstream side of the gate. The minimum skin thickness shall be in accordance with the provisions stipulated in relevant BIS and other International Standards. The computed thickness shall be increased by 1.5 mm to take care of corrosion.	d) The skin plate shall be on the upstream side of the gate. The minimum skin thickness shall be in accordance with the provisions stipulated in relevant BIS and other International Standards. The computed thickness shall be increased by 1.5 mm to take care of corrosion.

9.	Clause 3.5.5.1	Clause 3.5.5.1 Steel Structures: a. Each rope drum hoist shall be provided on the hoist platform supported by truss bridge at the level of 747.0m(tentative) b. Dogging device for each gate on the Deck level of 737.61 to allow maintenance of the gate and device for disconnecting of the lifting hoist shall be provided. c. One additional dogging device for each gate at the level of 744.0 m(tentative) to keep the gate above MWL shall be provided. d. Necessary ladders, walkway, Side Railing on both platforms and lighting arrangement on the hoist bridge and underneath shall be provided. e. The following are details of the Hoist Bridge: i) Clear opening of bay: 12.2m ii) Number of Bays: 7 (Seven) iii) Centre to Centre distance of Pier : 16.8m iv) Width of Pier: 4.6 m v) Deck level of Traffic Movement: El 737.61 m vi) Hoisting Deck level : EL 747.0m(tentative) vii) Level of Dogging devices: El 744.0 m(tentative) & El 737.61 m	Clause 3.5.5.1 Steel Structures: a. Each rope drum hoist shall be provided on the hoist platform supported by truss bridge at the level of 747.0m(tentative) b. Dogging device for each gate on the Deck level of 737.61 to allow maintenance of the gate and device for disconnecting of the lifting hoist shall be provided. c. One additional dogging device for each gate at the level of 744.0 m(tentative) to keep the gate above MWL shall be provided. d. Necessary ladders, walkway, Side Railing on both platforms and lighting arrangement on the hoist bridge and underneath shall be provided. e. The following are details of the Hoist Bridge: i) Clear opening of bay: 12.2m ii) Number of Bays: 7 (Seven) iii) Centre to Centre distance of Pier : 16.8m iv) Width of Pier: 4.6 m v) Deck level of Traffic Movement: El 737.61 m vi) Hoisting Deck level : EL 747.0m(tentative) vii) Level of Dogging devices: El 744.0 m(tentative) & El 737.61 m f. The details of the Traffic Bridge are as follows: i) Clear Carriage Width of the Bridge: 3.75m ii) Loading Specification: IRC 9R or Erection Loading whichever is higher iii) Location of Bridge: Downstream of Vertical Gate iv) Type of Bridge & Decking: Plate Girder Beam with Concrete Decking v) Deck level: EL.737.61m 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.
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