



ISO9001-2008, 14001-2004,  
OHSAS 18001-2007

नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड  
**North Eastern Electric Power Corporation Limited**  
भारत सरकार का उद्यम (A Govt. of India Enterprises)

संयंत्र प्रमुख का कार्यालय/ **OFFICE OF THE HEAD OF PLANT**  
रंगानदी जल विद्युत संयंत्र :: RANGANADI HYDRO ELECTRIC PLANT  
पो.ऑ. : रंगानदी प्रोजेक्ट P.O. : RANGANADI PROJECT

याजली, अरुणाचल प्रदेश / YAZALI, ARUNACHAL PRADESH-791119


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**Corrigendum No. 01 dtd 28.09.2018 to the  
Notice Inviting Tender No – 36/2018-19 Dtd. 29.08.2018**

In view of certain clarifications sought by some of the interested bidders, partial modification of the Technical Specification (GTP) of above NIT No. 36/2018-19 dtd. 29.08.2018 for "**Supply of Valves & Flanges for Ranganadi H.E. Plant, Arunachal Pradesh,**" are being done/amended as follows:

1. All the valves under this contract shall be used at 3 x 135 MW Dikrong Power House of Ranganadi Hydro Electrical Plant of NEEPCO which is located in Arunachal Pradesh. The service fluids of the different valves are indicated in the enclosed Annexure – X.
2. Technical Specifications of Item under Sl. No. 2 of under Section IV of Bid Document: The class of valve which is mentioned as #150 in the Bid Document should be read as Class#300. Accordingly, in the Price Bid to be submitted online price format the class should be read as #300 for Item under Sl. No. 2.
3. The specifications of the Valves have been indicated in the BOQ and the relevant standard against the corresponding is also mentioned.
4. All the valves proposed to be supplied to RHEP shall be of Non-IBR, Gasket Type.
5. A certificate from the Nationalized/Scheduled Bank indicating the solvency of the Firm should be submitted which shall not be less than the amount indicated as per clause No. 3(b) (i) of NIT.
6. The participating bidder shall be required to submit dealership of the brand of valves proposed to be supplied incase he is not the manufacturer. Accordingly if the participating bidder wishes to supply valves of different brands, the dealership certificates of all the brands of the Valves proposed to be supplied shall have to be submitted as per NIT clause No. 3.
7. The evaluation of the Techno Commercial bids of all bidders shall be carried out in accordance to the criteria given in NIT.
8. It has already been indicated in Section II of Bid Document under Instruction to Bidders (Clause no 3) that the bidders may also carry out Plant site visit in order to be able to assess the scope of supply in totality including details for mode of transportation & prevailing site conditions before submitting their bids.
9. The quantity of valves to be supplied shall be as per the BOQ given in the Bid Document.

All other terms & conditions of the Bid Documents shall remain unchanged.

  
Sr. Manager (E/M), C & P  
O/o the HOP, RHEP, Yazali.

## TECHNICAL SPECIFICATIONS

SL. NO.	SIZE	NAME OF ITEM	CLASS	GATE VALVES as per offer	Area of application
1	3" (80 NB)	CS Gate Valve	300	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class#300. Face to face distance: 282mm; PCD: 168.5mm; Height of the Valve: 506mm; No of Hole: 8 Nos; Hole Dia: 22mm; Design & Mgf Std: As per API 600; Testing Std: As per API 598, With 2 Nos of Raised Face MS Flange Drill as per ANSI B 16.5, Class #300 , Raised Face OD: 127mm, Size-3",	MIV oil opening & closing and HMC line ( Oil Line)
2	4" (100 NB)	CS Gate Valve	300	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class #300. Face to face distance: 305mm; PCD: 200mm; Height of the Valve: 605mm; No of Hole: 12 Nos; Hole Dia: 22mm; Design & Mgf Std: As per API 600; Testing Std: As per API598, With 2 Nos of Raised Face MS Flange Drill as per ANSI B 16.5, Class #300 , Raised Face OD: 157mm Size-4",	OPU interconnecting pipe line (oil Line)
3	3" (80 NB)	CS Gate Valve	150	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class#150. Face to face distance: 203mm; PCD: 152.5mm; No of Hole: 4 Nos; Hole Dia: 19mm; Design & Mgf Std: As per API 600; Testing Std: As per API 598, With 2 Nos of MS Flange Drill as per ANSI B 16.5, Class #150, Size-3",	Cooling Water strainer drain (Water line)
4	6" (150 NB)	CS Gate Valve	300	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class#300. Face to face distance: 403mm; PCD: 270mm; No ofHole: 12 Nos; Hole Dia: 22mm; Design & Mgf Std: As per API 600; Testing Std: As per API 598, With 2 Nos of MS Flange Drill as per ANSI B 16.5, Class #300, Size-6",	GT, ATCW pipe line (water line)
5	300 NB	CS Gate Valve	300	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class#300. Face to face distance: 502mm; PCD: 451mm; No of Hole: 16 Nos; Hole Dia: 32mm; Design & Mgf Std: As per API 600; Testing Std: As per API 598, ,	Cooling Water suction pipe line (water line)

*Handwritten signature and date:*  
28/9/12

SL. NO.	SIZE	NAME OF ITEM	CLASS	GATE VALVES as per offer	Area of application
6	250 NB	CS Gate Valve	150	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class #150. Face to face distance: 330mm; PCD: 362mm; No of Hole: 12 Nos; Hole Dia: 25mm; Design & Mgf Std: As per API 600; Testing Std: As per API598,	ATCW suction pipe line (water line)
7	50 NB	CS Gate Valve	300	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class#300. Face to face distance: 216 mm; PCD: 121 mm; No of Hole: 4 Nos; Hole Dia: 19mm; Design & Mgf Std: As per API 600; Testing Std: As per API 598, ,	Service seal pressure line (water line)
8	250 NB	CS Gate Valve	300	CS Gate Valve; Body & Bonnet: ASTM A 216 Gr. WCB; Wedge & Seat Ring: WCB + 13% Cr Steel; Stem: AISI 410; Gasket: SW SS + Graphite; Gland Packing: Graphite Ring; Out side screw & yoke type; Rising Spindle; End Connection: Flanged End Drill as per ANSI B 16.5, Class #300. Face to face distance: 457mm; PCD: 387mm; No of Hole: 16 Nos; Hole Dia: 29mm; Design & Mgf Std: As per API 600; Testing Std: As per API598,	By pass pipe line (water line)
9	40 NB	CS Gate Valve	600	Forged Steel Gate Valve; Body & Bonnet: ASTM A 182 F304; Wedge A276 TP 304 ; Seat Ring: A276 TP 410 ; Gland Packing: Graphite Ring; Bolted bonnet, Standard port, Class#800, End Connection: Flanged End Drill as per ANSI B 16.5, Class #600. Flanged will be welded type with body; Inspection & testing as per API 598, Face to face distance: 241mm; PCD: 114mm; No of Hole: 4 Nos; Hole Dia: 22mm;	Ejector pipe line (water line)
<b>SWING CHECK VALVES</b>					
10	3" (80 NB)	Swing Check Valve	300	CS Swing Check Valve; Body: A 216 Gr. WCB; Disc: WCB+13% Cr Steel; Seat Ring: WCB+13% Cr Steel; Hinge: A 217 Gr. CA 15; Hinge Pin: AISI 410; Gasket: SW SS + Graphite; End Connection: Flanged End Drill as per ANSI B 16.5, Class #300. Design & MFG Std: API 6D, BS 1868. Face to face distance: 318mm; PCD: 168.5mm; No of hole: 8 Nos; Hole Dia: 22mm;, Size-3",	MIV oil charging line (oil line)
11	6" (150 NB)	Swing Check Valve	300	CS Swing Check Valve; Body: A 216 Gr. WCB; Disc: WCB+13% Cr Steel; Seat Ring: WCB+13% Cr Steel; Hinge: A 217 Gr. CA 15; Hinge Pin: AISI 410; Gasket: SW SS + Graphite; End Connection: Flanged End Drill as per ANSI B 16.5, Class #300. Design & MFG Std: API 6D, BS 1868. Face to face distance: 444mm; PCD: 270mm; No of hole: 12 Nos; Hole Dia: 22mm; With 2 Nos of MS Flange Drill as per ANSI B 16.5, Class #300, Size-6",	Drainage pump (water line)

SL. NO.	SIZE	NAME OF ITEM	CLASS	GATE VALVES as per offer	Area of application
12	8" (200 NB)	Swing Check Valve	300	CS Swing Check Valve; Body: A 216 Gr. WCB; Disc: WCB+13% Cr Steel; Seat Ring: WCB+13% Cr Steel; Hinge: A 217 Gr. CA 15; Hinge Pin: AISI 410; Gasket: SW SS + Graphite; End Connection: Flanged End Drill as per ANSI B 16.5, Class #300. Design & MFG Std: API 6D, BS 1868. Face to face distance: 444mm ;No of hole: 12 Nos; Hole Dia: 25mm; With 2 Nos of MS Flange Drill as per ANSI B 16.5, Class #300, Size-8",	Dewatering Pump ( Water line)
				BUTTERFLY VALVES	
13	4" (100 NB)	Flanged End ButterFly Valve	150	CS Centric Disc Flanged End Butterfly Valve; Body: ASTM A 216 Gr. WCB; Disc: SS304; Seat: EPDM; Pressure Rating: PN 10; End Connection: Flanged End Drill as per ANSI B 16.5, Class #150. Operation: Hand Lever Operated; Face to face Distance: 127mm; PCD: 190.5mm; No of Hole: 8 Nos; Hole Dia: 19mm; With 2 Nos of MS Flange Drill as per ANSI B 16.5, Class #150, Size-4",	LP Pump (oil Line)
14	6"	Flanged End ButterFly Valve	150	CS Flanged End Butterfly Valve; Body: ASTM A 216 Gr. WCB; Disc: SS304; Seat: EPDM; Pressure Rating: PN 10; End Connection: Flanged End Drill as per ANSI B 16.5, Class #150. Operation: Hand Lever Operated; Face to face Distance: 127mm; PCD: 190.5mm; No of Hole: 8 Nos; Hole Dia: 19mm; With 2 Nos of MS Flange Drill as per ANSI B 16.5, Class #150, Size-6",	LP oil changing pipe line ( oil line)
15	300 NB	Flanged End ButterFly Valve	150	300 NB Double offset Disc Butterfly Valve;Body:cast Steel;Disc:SS304, Seat:PTFE; Shaft:SS316; Rating:Class#150;Working Pressure-5-10Kg/cm2;Operation:Gear Box Operated	Cooling water system ( Water line)
				BALL VALVES	
16	3/4"	Forged SS Ball Valve	800	3 Piece design Forged SS Ball Valve;Body: ASTM A 182 F 304; Ball: ASTM A 351 Gr. CF8 (SS304);Seat: PTFE; Gland Packing: PTFE; Reduce bore; End Connection: Screwed End NPT, Class #800; Design as per API BS 5351,Testing Standard: BS 6755 (Part - 1), Size-3/4" ,	TGB plug in type cooler ( oil line)
17	1"	Forged SS Ball Valve	800	3 Piece design Forged SS Ball Valve;Body: ASTM A 182 F 304; Ball: ASTM A 351 Gr. CF8 (SS304);Seat: PTFE; Gland Packing: PTFE; Reduce bore; EndConnection: Screwed End NPT, Class #800; Design as per APIBS 5351,Testing Standard: BS 6755 (Part - 1);, Size-1",	General purpose
18	20 NB	Forged SS Ball Valve	800	3 Piece Design Forged SS Ball Valve; Body : ASTM A 182 F304; BALL: ASTM A 351 Gr. CF8(SS304); Seat:PTFE, Gland Packing: PTFE, Reduce Bore, End Connection: Screwd End NPT, Class#800, Design as per API BS 5351, testing standard BS 6755 (Part-1),	Penstock pressure gauge pipe line (water line)

*Signature*  
28/01/18