



BIHAR STATE HYDROELECTRIC POWER CORPORATION LTD.

(A GOVERNMENT OF BIHAR ENTERPRISE)

CIN: U40100BR1982SG001627

Registered Office: "Sone Bhawan", (2nd Floor), Birchand Patel Marg, Patna – 800 001

Tel: +91-612-2227692

E-mail: bshpcltd@gmail.com,

Website: www.bshpcltd.com

No. 739 /

Patna, Dated 04 / 10 / 2019

Corrigendum – I

(Through e-procurement mode only – www.eproc.bihar.gov.in)

The tender documents for completion of balance E&M work against NIT No. 01/Elect/2019-20 dated 18.07.2019 has been amended as per Annexure - A.

Revised Price Bid for all groups of instant NIT are also uploaded.


(Sarveshwar Katiyar)
Chief Engineer (E)



Bihar State Hydroelectric Power Corporation Limited
Tender Document for Completion of E&M Works of all Groups
Amendments in Terms and Conditions

Sl. No.	Volume/Clause/ Page No.	Tender Specifications	Amendment Proposed
1	Notice Inviting Tender		
	vi. Qualifying Criteria (Clause 1.0) (VI)-3	The bidder should be Registered Electrical Contractor having valid H.T. Contractor License.	The bidder/their subcontractor should be Registered Electrical Contractor having valid H.T. Contractor License. The requisite license in the name of bidder or his subcontractor must be submitted before signing of Agreement.
2.	Section-I of Volume-I		
(a)	Eligible Bidders (Clause 1.1.2.1 (3))	The bidder should be Registered Electrical Contractor having valid H.T. Contractor License.	The bidder/their subcontractor should be Registered Electrical Contractor having valid H.T. Contractor License. The requisite license in the name of bidder or his subcontractor must be submitted before signing of Agreement.
(b)	Power to vary or omit works (Clause 1.2.19.8)	In the eventuality of civil works (required for erection of machine foundations etc.) not having been completed for E&M works to be taken up the scope of contract shall be suitably modified to include the required civil works in the scope of this contract. The modification as above shall not entitle the contractor to seek any compensation on account of delays etc.	In the eventuality of civil works (required for erection of machine foundations etc.) not having been completed for E&M works to be taken up, the scope of contract shall be suitably modified to include the required civil works in the scope of this contract on the mutually agreed Terms & Conditions. The modification as above shall not entitle the contractor to seek any compensation on account of delays etc.
(c)	Insurance (Clause 1.2.21.1) (Clause 1.2.21.2)	The Contractor at his cost shall arrange, secure and maintain insurance as may be necessary and for all such amounts to protect the interests of the Owner, against all risks as detailed in the attached Appendix-2 The form and the limit of such insurance, as thereof in each case should be acceptable to the Owner. However irrespective of such acceptance, the responsibility to maintain adequate insurance coverage at all times during the period of Contract shall be that of the Contractor alone. The Contractor's failure in this regard shall not relieve him of any of his contractual responsibilities and obligations All costs on account of insurance liabilities covered under the Contract will be on contractor's account and will be included in Contract Price. However, the Owner may from time to time, during the pendency of the Contract, ask the Contractor in writing to limit the insurance coverage risks and in such case, the parties to the Contract will agree for a mutual settlement, for reduction in Contract Price to the extent of reduced premium amounts.	The Contractor shall obtain the standard "Contractor's All Risk Policy" as per his contract amount.

(d)	Performance Security Deposit	
(i)	(Clause 1.2.23.1)	As a contract security, the successful tenderer, to whom the work is awarded shall be required to furnish in favour of the Owner a performance guarantee in the proforma as at Appendix-I. The guarantee amount shall be equal to 10% (ten percent) of the Contract price for the faithful performance of the Contract in accordance with the terms and conditions specified in the Contract and in the tender Documents / Specification. The guarantee shall be valid till the expiry of 90 days after the end of the warranty period.
(ii)	(Clause 1.2.23.4)	Whether or not the equipment has been installed under his supervision, the Contractor shall give the following guarantees in respect of the equipment to be furnished (applicable in respect of supplies from the contractor or his vendor) (a) All equipment shall be free from any defect due to faulty design materials and/or workmanship. (b) The equipment shall operate satisfactorily and reliably and the Performance and efficiencies of the equipment shall not be less than the respective Guaranteed values.
(e)	Taking-Over (Clause 1.2.24.1)	When the specification calls for performance test before despatch and these have been successfully carried out, the plant shall be accepted and taken over when it has been satisfactorily remained wider operation for one year after commissioning for which the Engineer shall forthwith issue a taking over certificate.
(f)	Terms of Payment (Clause 1.2.26)	
	A. Advance Payment	The owner shall make an interest bearing advance payment as Mobilization Advance which shall be 10% of the contract amount less O & M, Erection, Testing and Commissioning, when the contractor submits a guarantee in accordance with this sub-clause including the details stated in the particular conditions. If the particular conditions do not state:
		The owner shall make an interest bearing advance payment as Mobilization Advance which shall be 10% of the contract amount less O & M, Testing and Commissioning, when the contractor submits a guarantee in accordance with this sub-clause including the details stated in the particular conditions. If the particular conditions do not state:

By/Date

<p>C. Erection, Testing and Commissioning</p>	<p>(i) 90% payment on successful erection, testing and commissioning. (ii) 10% shall be retained and shall be paid as per provisions of 1.2.27.8 (Payment of Retention Money)</p>	<p>1. Erection 100% payment for erection of items under following sub-heads less advance (if any) (i) Turbine and Auxiliaries (ii) Generator and Auxiliaries (iii) Station Auxiliaries (iv) Transformers and switchyard equipment (v) Transmission Line and terminal equipment at grid substation. 2. Optional Items* (i) Generator Bearings (ii) Generator Windings (iii) Gear Box Bearings (iii) Power Transformer Winding (iv) Power Transformer Oil * At the time of refurbishment, optional itmes can be supplied – as required, which shall be decided after joint inspection by representative of executing agency and site incharge of BSHPC and final approval by competent authority of BSHPC. Payment of these items shall be made as per clause no. (1.2.26 B) of Vol- I. 3. Testing and Commissioning 100% payment on successful testing and commissioning of the complete project including power evacuation system etc. (at available head and discharge)</p>
<p>D. O & M of the System</p>	<p>Monthly bills shall be submitted by the contractor for O&M charges as per contract duly verified by the engineer in charge. (i) 90% of the bill amount shall be paid regularly less recovery if any. (ii) Balance 10% amount shall be paid at the end of the year (completion of O&M period) on successful performance and entire satisfaction of the engineer in charge, after effecting deductions, recoveries of the contract.</p>	<p>Monthly bills shall be submitted by the contractor for O&M charges as per contract duly verified by the engineer in charge. The 100% of the bill amount shall be paid regularly less recovery if any.</p>
<p>(g) Delayed Payment (Clause 1.2.27.7)</p>	<p>If the contractor does not receive payment in accordance with sub-clause 1.2.27.6 [Timing of payments], the contractor shall be entitled to receive financing charges compounded monthly on the amount unpaid during the period of delay. Unless otherwise stated in the particular conditions, these financing charges shall be calculated at the annual rate of three percentage points, above the discount rate of the central bank in the country of the currency of payment, and shall be paid in such currency. The contractor shall be entitled to this payment without formal notice, and without prejudice to any other right or remedy.</p>	<p>The owner shall make best efforts to release the payments within the due date.</p>

Yash

(h)	Payment of Retention Money (Clause 1.2.27.8)	(iii) Promptly after the latest of the expiry dates of the defects notification periods, the outstanding balance of the retention money shall be paid to the contractor. If a taking-over certificate was issued for a section, the relevant percentage of the second half of the retention money shall be paid promptly after the expiry date of the defects notification period for the section.	(iii) Promptly after completion of testing, the outstanding balance of the retention money shall be paid to the contractor. If a taking-over certificate was issued for a section, the relevant percentage of the second half of the retention money shall be paid promptly after completion of testing.
3.	Annexure-II of Vol-I (Only for Natwar Project of Group-1)		
	Schedules of Quantities and Prices	Turbine Auxiliaries a. Runner b. Servo Motor Assembly for Runner Blade c. Centrifugal Fan d. Servo Motor for Vacuum valve e. Pump for Cooling Water System f. Duplex Filter g. Piping, Valves & hardware for Cooling Water System	Turbine Auxiliaries a. Centrifugal Fan b. Pump for Cooling Water System c. Duplex Filter d. Piping, Valves & hardware for Cooling Water System
4.	Section-II of Volume-II (for each Group)		
	Trial Run (Clause No. 2.18)	Immediately upon completion of commissioning, the plant shall be kept on trial operation during which period all necessary adjustments shall be made while operating over the full load-range enabling the plant to be made ready for performance and guarantee tests. The duration of trial operation of the complete equipment shall be 72 hours continuous run. The trial operation shall be considered successful, provided that each item of the equipment can operate continuously at the specified operating characteristics, for the period of trial operation	Immediately upon completion of commissioning, the plant shall be kept on trial operation during which period all necessary adjustments shall be made while operating the plant at available Head & Discharge. The duration of trial operation of the complete equipment shall be 72 hours continuous run. The trial operation shall be considered successful, provided that each item of the equipment can operate continuously at the specified operating characteristics, for the period of trial operation. In case at the time of completion of commissioning, the canal is under closed condition then trial run shall start immediately after availability of discharge. In this case, no compensation shall be admissible to the contractor for delay in trial run. The performance for rated conditions has to be got verified within the warranty period by the BSHPC officials for successful completion of the contract.
5.	Section-III of Volume-II (Only for Natwar Project of Group-1)		
	E&M works (Clause no. 3.2.3.3)	Turbine and Auxiliaries a. Runner b. Servo Motor Assembly for Runner Blade c. Centrifugal Fan d. Servo Motor for Vacuum valve e. Pump for Cooling Water System f. Duplex Filter g. Piping, Valves & hardware for Cooling Water System	Turbine and Auxiliaries a. Centrifugal Fan b. Pump for Cooling Water System c. Duplex Filter d. Piping, Valves & hardware for Cooling Water System
6.	Section-III of Volume-II (for each Group)		
	Balance Mandatory Spares (in Table 3.2.1/4 to 3.2.6/4 as the case may be)	Generator (i) 1/3rd of stator windings of one generator with necessary slot included wedges-1 No. (ii) Complete field coil with connecting clamps and all necessary insulation-2 No's	Supply of these items have been excluded from scope of Supply