



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:TRL-T1732:TCN-01

Date: 29-03-2016

Sub	Tender change notice (TCN) 01	
Job	Material handling, erection, testing, commissioning, trial run & field efficiency test of 2X30 MW vertical francis turbine generator along with its auxiliaries, excitation system, control, protection, monitoring systems including electrical/C&I systems and supply of furnitures & furnishing materials, AC, water purifier, 2 nos. 10KVA DG Set etc. at 2x30 MW Turrial Hydro Electric Project, NEEPCO, Mizoram.	
Ref	1.0	Tender no PSER:SCT:TRL-T1732:16
	2.0	BHEL's NIT, vide reference no PSER:SCT:TRL-T1732:4928 Date: 17-03-2016.
	3.0	All other pertinent issues till date.

With reference to above, following points/ documents, relevant to tender, may please be noted and complied with while submitting offer.

1.0 Clause No. 1.2.2.1, 1.2.3 & 4.1 of Volume- IF, Technical Conditions of Contract (TCC) issued earlier along with NIT has been revised/modified as following :

Clause No	Existing Clause of Volume-IF (TCC), issued with NIT	Revised/ modified Clause of Volume-IF (TCC)
1.2.2.1	<p>.....</p> <p>“ERECTION OF UNIT – 1 DT ELBOW LINER, PIER NOSE AND OTHER FIRST STAGE EMBEDMENTS AND PIPES UP TO EL 49 HAS ALREADY BEEN CARRIED OUT AND NOT INCLUDED IN THE SCOPE OF THIS TENDER.”</p> <p>..... E&C of following items are not under contractor's scope but their unloading/ loading, handling, storage, preservation and transportation from stores to power house/ place of erection and unloading there is included in contractors scope:</p> <p>1) EOT CRANE 1 LOT 160/15 T</p> <p>2)</p>	<p>Following revision/change may be noted under cl. no. 1.2.2.1 :</p> <p>ERECTION OF UNIT – 1 DT ELBOW LINER, PIER NOSE, LOWER PIT LINER AND OTHER UNIT 1 FIRST STAGE EMBEDMENTS AND PIPES UP TO EL 49 HAS ALREADY BEEN CARRIED OUT AND NOT INCLUDED IN THE SCOPE OF THIS TENDER.</p> <p>EOT crane is deleted from the list of items whose E&C are not under contractor's scope but their unloading/ loading, handling, storage, preservation and transportation from stores to power house/ place of erection and unloading there is included in contractors scope.</p> <p>All other points/works/scope indicated at cl. no. 1.2.2.1 shall remain unaltered.</p>
1.2.3	<p>BHEL'S OWN 11 T Pick and Carry CRANE AT SITE CAN BE USED BY THE CONTRACTOR FREE OF CHARGES, SUBJECT TO AVAILABILITY. fuel/lubricants, EXPERIENCED operators along with OT, if any, DURING USE, is to be ARRANGED AND COSTS TO BE borne by the contractoR. MINOR MAINTENANCE OF THIS CRANE DURING USE IS INCLUDED IN THE SCOPE OF THE CONTRACTOR.</p> <p>BHEL HAS ALSO MOBILISED A 25T CRAWLER CRANE AT SITE. THIS CRANE</p>	<p>BHEL'S OWN 11 T PICK AND CARRY CRANE AT SITE CAN BE USED BY THE CONTRACTOR FREE OF CHARGES, SUBJECT TO AVAILABILITY. FUEL/LUBRICANTS, EXPERIENCED OPERATORS ALONG WITH OT, IF ANY, DURING USE, IS TO BE ARRANGED AND COSTS TO BE BORNE BY THE CONTRACTOR. MINOR MAINTENANCE OF THIS CRANE DURING USE IS INCLUDED IN THE SCOPE OF THE CONTRACTOR.</p> <p>BHEL HAS ALSO MOBILISED A 25 T CRAWLER CRANE AT SITE. THIS CRANE ALSO CAN</p>

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	<p>ALSO CAN BE USED BY THE CONTRACTOR FREE OF COSTS, SUBJECT TO AVAILABILITY. fuel/lubricants, EXPERIENCED operators along with OT, if any, DURING USE, is to be ARRANGED AND COSTS TO BE borne by the contractoR. MINOR MAINTENANCE OF THIS CRANE DURING USE IS INCLUDED IN THE SCOPE OF THE CONTRACTOR.</p> <p>CONTRACTOR WILL MAKE ALTERNATIVE ARRANGEMENTS IN CASE BHEL'S CRANES ARE UNDER BREAKDOWN/ NOT AVAILABLE IRRESPECTIVE OF TIME PERIOD. NO COMPENSATION/ TIME EXTENSION SHALL BE GRANTED ON THE GROUND OF NON-AVAILABILITY OF BHEL'S CRANE.</p> <p>ANY ADDITIONAL CRANE/ CRANE OF HIGHER CAPACITY, REQUIRED SHALL BE ARRANGED BY THE CONTRACTOR AT HIS COST WITH ADEQUATE NOS. OF OPERATORS AND FUEL/ LUBRICANT.</p>	<p>BE USED BY THE CONTRACTOR FREE OF COSTS, SUBJECT TO AVAILABILITY. FUEL/LUBRICANTS, EXPERIENCED OPERATORS ALONG WITH OT, IF ANY, DURING USE, IS TO BE ARRANGED AND COSTS TO BE BORNE BY THE CONTRACTOR. MINOR MAINTENANCE OF THIS CRANE DURING USE IS INCLUDED IN THE SCOPE OF THE CONTRACTOR.</p> <p>CONTRACTOR WILL MAKE ALTERNATIVE ARRANGEMENTS IN CASE BHEL'S CRANES ARE UNDER BREAKDOWN/ NOT AVAILABLE IRRESPECTIVE OF TIME PERIOD. NO COMPENSATION/ TIME EXTENSION SHALL BE GRANTED ON THE GROUND OF NON-AVAILABILITY OF BHEL'S CRANE.</p> <p>ANY ADDITIONAL CRANE/ CRANE OF HIGHER CAPACITY, REQUIRED SHALL BE ARRANGED BY THE CONTRACTOR AT HIS COST WITH ADEQUATE NOS. OF OPERATORS AND FUEL/ LUBRICANT.</p>
4.1	<p>4.1 TIME SCHEDULE:</p> <p>4.1.1 The entire work of material handling, erection, commissioning, testing , trial run, field efficiency test and final acceptance of all the four units as detailed in the tender document shall be completed in all respects within 33 months from the date of start of work . Date of start of work will be declared /certified by BHEL, Tuirial site depending on availability of fronts . The key contractual dates are as follow.</p> <p>4.1.1.1 <i>Commissioning of the 1st unit and handing over : 22 Months from date of start of work</i></p> <p>4.1.1.2 <i>Commissioning of the 2nd unit and handing over: 27 Months from date of start of work</i></p> <p>4.1.1.3 A suggestive bar chart is given in the tender document for reference only. The contractor shall submit detail erection programme for acceptance by BHEL within seven days of receipt of LOI. PG test, which will be carried out on both the units, on any unit shall be carried out within six months of commissioning of that particular unit.</p> <p>4.1.1.4 The time schedules specified above in 4.1.1.1 and 4.1.1.2 shall be considered for the purpose of Unit wise LD.</p> <p>4.1.1.5 The entire work of Package A shall be completed in all respects within 33 months from the date of start of work . Date of start of work shall be as defined in Clause 4.1.1 above.</p>	<p>4.1 TIME SCHEDULE:</p> <p>4.1.1 The entire work of material handling, erection, commissioning, testing, trial run, field efficiency test and final acceptance of all the four units as detailed in the tender document shall be completed in all respects within 33 months from the date of start of work . Date of start of work will be declared /certified by BHEL, Tuirial site depending on availability of fronts. The key contractual dates are as follow.</p> <p>4.1.1.1 <i>Commissioning of the 1st unit and handing over : 22 Months from date of start of work</i></p> <p>4.1.1.2 <i>Commissioning of the 2nd unit and handing over: 27 Months from date of start of work</i></p> <p>4.1.1.3 A suggestive bar chart is given in the tender document for reference only. The contractor shall submit detail erection programme for acceptance by BHEL within seven days of receipt of LOI. PG test, which will be carried out on both the units, on any unit shall be carried out within six months of commissioning of that particular unit.</p> <p>4.1.1.4 The time schedules (Unit wise and total for two units) specified above in 4.1.1.1 and 4.1.1.2 shall be considered for the purpose of LD and ORC/ PVC. However, the Contractor at no extra cost shall put their Best Efforts so as to achieve Commissioning of Unit 1 in June 2017 and Unit 2 in September 2017 to meet the target set by NEEPCO. In case of non-readiness of the EOT Crane, erection of Unit 1 and 2 up to Spiral Casing may have to be taken up through mobile crane. The mobile crane along with its operator and fuel shall be arranged by the Contractor and its costs shall be reimbursed by BHEL at actuals against documentary evidence. Alternatively, BHEL at its discretion may provide the mobile crane along with its operator and fuel free of costs.</p>

	<p>4.1.2 Only after certification by BHEL Construction Manager, regarding adequate mobilization by Contractor, the work will start. This certified date will be treated as date of start of work at site for the purposes of the contract time schedule.</p> <p>4.1.3 The contractor shall start mobilizing within 15 days from the date of intimation and complete the mobilization as required prior to start of erection as per the instruction of BHEL Construction Manager.</p> <p>4.1.4 The work under the scope of the contract will be deemed to be completed in all respects only when all the components /Equipment / systems (common as well as Unit linked) of all the two units are erected, Tested & commissioned trial run and Field acceptance tests conducted as per contract to the entire satisfaction of BHEL and Customer, handed over to customer for commercial operation and taking over certificate issued to BHEL by Customer for all the Units after final reconciliation of all materials and also issuance of no due certificate to BHEL by Customer .</p> <p>4.1.5 Timely completion of all the works with desired level of quality is the essence of the contract. So all out efforts should be made to complete all the activities well within time allotted in the contractually agreed work schedule. Immediately after receipt of LOI, the contractor has to submit detailed work schedule in support of his commitment for completion of the works within the Time schedule specified in this contract. Due to any reason if there is delay in achieving any intermediate milestone, the same should be compensated by all means to maintain the ultimate Targets of commissioning /handing over for each Unit. Any delay beyond total allotted time for completion will have to be compensated by way of deduction at the rate and term specified separately at clause "Liquidated Damage".</p>	<p>In case of absence of roofing over Unit – 1, the Contractor shall make necessary arrangements for construction of temporary roof cover above the present working area to avoid problem of welding in open rains and cost of such temporary roof cover shall be reimbursed by BHEL at actuals against documentary evidence. Alternatively, BHEL at its discretion may provide the same.</p> <p>4.1.2 Only after certification by BHEL Construction Manager, regarding adequate mobilization by Contractor, the work will start. This certified date will be treated as date of start of work at site for the purposes of the contract time schedule.</p> <p>4.1.3 The contractor shall start mobilizing within 15 days from the date of intimation and complete the mobilization as required prior to start of erection as per the instruction of BHEL Construction Manager.</p> <p>4.1.4 The work under the scope of the contract will be deemed to be completed in all respects only when all the components /Equipment / systems (common as well as Unit linked) of all the two units are erected, Tested & commissioned trial run and Field acceptance tests conducted as per contract to the entire satisfaction of BHEL and Customer, handed over to customer for commercial operation and taking over certificate issued to BHEL by Customer for all the Units after final reconciliation of all materials and also issuance of no due certificate to BHEL by Customer .</p> <p>4.1.5 Timely completion of all the works with desired level of quality is the essence of the contract. So all out efforts should be made to complete all the activities well within time allotted in the contractually agreed work schedule. Immediately after receipt of LOI, the contractor has to submit detailed work schedule in support of his commitment for completion of the works within the Time schedule specified in this contract. Due to any reason if there is delay in achieving any intermediate milestone, the same should be compensated by all means to maintain the ultimate Targets of commissioning /handing over for each Unit. Any delay beyond total allotted time for completion will have to be compensated by way of deduction at the rate and term specified separately at clause "Liquidated Damage".</p>
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- 2.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HYEAVY ELECTRICALS LTD

SR. ENGR (SCT)

Encl : As above.

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FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED,
 Power Sector - Eastern Region,
 Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
 Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	Material handling, erection, testing, commissioning, trial run & field efficiency test of 2X30 MW vertical francis turbine generator along with its auxiliaries, excitation system, control, protection, monitoring systems including electrical/C&I systems and supply of furnitures & furnishing materials, AC, water purifier, 2 nos. 10KVA DG Set etc. at 2x30 MW Tuirial Hydro Electric Project, NEEPCO, Mizoram.	
Ref	1.0	Tender no PSER:SCT:TRL-T1732:16
	2.0	BHEL's NIT, vide reference no PSER:SCT:TRL-T1732:4928 Date: 17-03-2016.
	3.0	BHEL's TCN-01, vide reference PSER:SCT:TRL-T1732:TCN-01, dated 29-03-2016.
	4.0	All other pertinent issues till date.

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized representative of the bidder)

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