



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 02

Ref: PSER:SCT:KMG-T1163:TCN-02

Date: 18/02/2011

Sub	Tender change notice (TCN) 02	
Job	Material handling , Erection , Testing , Commissioning , Trial run and field efficiency test of 4X150 MW Vertical Francis Turbine-Generator along with its auxiliaries Excitation system , Control , Protection , Monitoring Systems including Electrical And Control & Instrumentation Systems , Penstock Butter Fly valve etc. at Kameng Hydro Electric Project , NEEPCO , Kimi , West Kameng District , Arunachal Pradesh.	
Ref	1.0	Tender no PSER:SCT:KMG-T1163:11.
	2.0	BHEL's NIT, vide ref no Ref: PSER:SCT:KMG-T1163 Dated 28/01/2011
	3.0	BHEL's TCN-01 , vide ref no Ref: PSER:SCT:KMG-T1163:TCN-01 Dated 07/02/2011.
	4.0	Other references (if any).

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

- 1.0 Due date of submission of offer is extended from 18/02/2011 to 05/03/2011 at 1500 Hrs.
- 2.0 Annexure-A to TCN-02 for clarification to Bidder's query.
- 3.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

ENGR (SCT)

Encl

- 1.0 Annexure-A to TCN-02
- 2.0 Revised 'No deviation certificate' format.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960 फोन/Phone : बोर्ड/EPABX : 23211798/ 1691

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 and field efficiency test of 4X150 MW Vertical Francis Turbine-Generator along with its auxiliaries Excitation system , Control , Protection , Monitoring Systems including Electrical And Control & Instrumentation Systems , Penstock Butter Fly valve etc. at Kameng Hydro Electric Project , NEEPCO , Kimi , West Kameng District , Arunachal Pradesh.	
Ref	1.0	Tender no PSER:SCT:KMG-T1163:11.
	2.0	BHEL's NIT, vide ref no Ref: PSER:SCT:KMG-T1163 Dated 28/01/2011
	3.0	BHEL's TCN-01 Vide ref. no. PSER:SCT:KMG-T1163:TCN-01 Dated 07/02/2011
	4.0	BHEL's TCN-02 Vide ref. no. PSER:SCT:KMG-T1163:TCN-02 Dated 18/02/2011
	5.0	Other references (if any).

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 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)

4 x 150 MW KAMENG HYDRELECTRIC PROJECT
TENDER SPECIFICATION NO. PSER: SCT: KMG – T 1163:11

REPLY TO PRE-BID QUERIES

ANNEXURE-A to TCN-02

Sl. No.	Reference clause of tender document	Bidder's Query	BHEL Clarification
01.	Volume 1F, Clause 2.23.3	Kindly clarify if any overheads will be charged to contractor by BHEL on account of electricity supplied by customer.	No overhead shall be charged by BHEL.
02.	Volume 1F, Clause 2.25.1	Kindly clarify whether high capacity mobile cranes supplied by BHEL can be used for erection as well as material handling purposes.	As per tender document, the contractor is not required to mobilise any mobile crane under the scope of this contract.
03.	Volume 1F, Clause 2.8	Kindly clarify whether re-shifting and re-stacking is applicable only in site area or from Bhalukpong stores.	The contractor's scope of work is limited to power house area only and not at Bhalukpong.
04.	Volume 1F, Clause 2.31.1	Kindly clarify number of PCs to be supplied by contractor for material management since as per Vol 1F, Clause 2.13, " The contractor will have to install 1 no. PC (multimedia PC Work Station P-IV 1GHz or above, 40 GB & 256 MB RAM of HCL/ COMPAQ/ ZENITH or equivalent make with Window XP O/S and required software like MS Office XP Professional, Antivirus software, Auto cad 2000 etc)"	The number of computers required is two.

... Contd 02

4 x 150 MW KAMENG HYDRELECTRIC PROJECT
TENDER SPECIFICATION NO. PSER: SCT: KMG - T 1163:11

REPLY TO PRE-BID QUERIES

ANNEXURE-A to TCN-02

==: 02 ==

Sl. No.	Reference clause of tender document	Bidder's Query	BHEL Clarification
05.	Volume 1F, Clause 4.3.1	Kindly clarify the percentage of retention amount. As per Volume 1B, Clause 2.22.1, “Retention Amount shall be 5% of executed contract value and shall be recovered at the rate of 5% from each Running Bill admitted, including PVC Bills.”	Retention Money shall be governed only by Clause 2.22.1 & 2.22.2 Volume 1B (GCC) in place of 4.3.1 & 4.3.2 of Volume IF (Technical Condition of Contract). The Guarantee period shall be 18 th months commencing from the date of certification of handing over of the last unit after trial run.
06.	Volume 1F, Annexure A - 2	Kindly clarify whether erection of generator step-up transformer is included in contract scope.	Generator Transformer is not included in the scope of this contract (MM and E & C).
07.	TCN - 01, Annexure C-6	Kindly remove the item from list as BHEL is already providing 250 KVA DG set as free issue, in addition to chargeable electricity supplied by customer.	Item no. 1 of Annexure C 6 is deleted.
08.	Volume 1F, Annexure D-1	Kindly include the weight of Penstock BF Valve	Schedule of Dimension and Weights of Penstock Butterfly Valve Components is attached as per Annexure-B to TCN-02.
09.	--	Kindly clarify whether supply of structural steel for temporary supports is in BHEL's scope.	Only those structural steel required for erection purpose shall be provided by the contractor and taken back after use.
10.	SCC Clause No. 4.2.2.17 a,b,c,d	As the Scope of Erection of Lift/ Elevators are not in the scope of TG Contractors. Hence, these clauses may not be meant for them.	Agreed.

.. Contd 03

4 x 150 MW KAMENG HYDRELECTRIC PROJECT
TENDER SPECIFICATION NO. PSER: SCT: KMG – T 1163:11

REPLY TO PRE-BID QUERIES

ANNEXURE-A to TCN-02

==: 03 ==

Sl. No.	Reference clause of tender document	Bidder's Query	BHEL Clarification
11.	As per TCC ANNEXURE: A2, Sl. No. G regarding Penstock Butterfly Valve. It is mentioned in the Billing Break up.	We understood that the Erection of BF valve is not in our Scope.	Erection of Penstock BF Valve is included in the scope of the contractor.
12.	As per TCC Clause 4.3.1 regarding retention amount	The Percentage of Retention Amount from the Contract Value Limits to 5% or 10%.	Please refer to our reply to Point 5 above.
13.	SCC Clause No. 10.3, 10.4	<u>The Retention Amount shall be released as follows:</u>	
14.	GCC 2.22 Retention Amount	50% of value of Retention amount shall be released after 72 Mechanical Spinning of each unit. And another 50% of value of retention shall be after Commissioning & Handing Over of each unit.	

... Contd 03

4 x 150 MW KAMENG HYDRELECTRIC PROJECT
TENDER SPECIFICATION NO. PSER: SCT: KMG – T 1163:11

REPLY TO PRE-BID QUERIES

ANNEXURE- A to TCN- 02

==: 04 ==

Sl. No.	Reference clause of tender document	Bidder's Query	BHEL Clarification
15.	As per TCC Clause 2.22 Facilities to be Provided by BHEL	Surface Levelled and Well Compacted Land Shall be provided by BHEL.	Land in whatever condition received from NEEPCO, will be given to the contractor. The bidders are advised to visit site and see the condition of the land.
16.	GCC Clause 2.13 of Page - 22 INTEREST BEARING RECOVERABLE ADVANCES Facilities to be Provided by BHEL	10% Interest Free Mobilisation Advance is required.	Advance payment is not applicable for this contract.
17.	TCC 4.4 Page-58 INTEREST BEARING RECOVERABLE ADVANCE	Weather Contractor is eligible for Advance or not.	Advance payment is not applicable for this contract.
18.	TCC 4.14 Page-59 TAXES AND DUTIES:	Contractor Can not anticipate any type of Hike in the existing Taxes & Duties at the Time of Bidding, Hence such hikes shall be reimbursed by BHEL.	No change in Bid condition.

... Contd 04

4 x 150 MW KAMENG HYDRELECTRIC PROJECT
TENDER SPECIFICATION NO. PSER: SCT: KMG - T 1163:11

REPLY TO PRE-BID QUERIES

ANNEXURE-A to TCN-02

==: 05 ==

Sl. No.	Reference clause of tender document	Bidder's Query	BHEL Clarification
19.	TCC :- 2.37.1.4, Page-27	The Security Services (Watch & Ward) are for our Offices, T & P and for our Residential Accommodation Only.	Material once issued to the contractor shall remain in the custody of the contractor. The safety of the material shall be the contractor's responsibility for which adequate nos. of watch and ward shall be engaged by the contractor. In case of any loss/ theft/ damage etc. of the material under his custody, the contractor will complete all formalities and prepare all documents like lodging FIR, prepare material damage report etc. so as to enable BHEL to lodge insurance and arrange replacement. In case of disallowance of any insurance claim for any lapse on the part of the contractor, the amount so disallowed shall be to the contractor's account.
20.	--	Please forward us the cross sectional drawings of Turbine and Generator.	Adequate information has been given in the tender for the Bidders to quote. The Bidders are further advised to visit site for inspection of the components.

ANNEXURE
KAMENG HEP - NEEPCO
DIMENSIONS AND WEIGHTS OF PENSTOCK BUTTERFLY VALVE COMPONENTS
18/1/2010

Sl. No.	COMPONENT DESCRIPTION (Tentative)	WEIGHT, kg	DIMENSION, mm			CASE PER BFV	TOTAL CASES FOR 2 BFVs IN THE Penstock Valve house
			L	W	H		
1.1	BF Valve Body	25000	5000	5000	1300	1	2
1.2	BF Valve Door (With Trunnion)	28000	5700	4000	1200	1	2
1.3	BF Valve Inlet pipe	4000	4000	4000	2000	1	2
1.4	BF Valve Outlet Pipe	7000	4000	4000	2000	1	2
1.5	BF Valve Servomotor	5000	3500	Dia 700	--	2	4
	MISC. PACKAGES (Tentative)						
2.1	Large Packages	1600	3000	1500	1000	-	10
2.2	Medium Packages	1000	2000	1000	500	-	15
2.3	Small Packages	800	1200	800	500	-	20