



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN - 02**

Ref: PSER:SCT:PAL-M1011:TCN-02

Date: 24-04-2009

Sub	Tender change notice (TCN) 02.	
Job	<i>Logistics of ODC Consignment from Various BHEL Manufacturing units and or Port of Origin to Palatana site through Road &amp; Waterways for Unit # 1 &amp; 2 of 726.6 (2X363.3) MW Gas based CCPP at Palatana, Udaipur, Tripura</i>	
Ref	1.0	Tender no PSER:SCT:PAL-M1011:09
	2.0	BHEL's NIT, vide reference no PSER:SCT:PAL-M1011, dated 11-04-09
	3.0	BHEL's TCN-01 vide ref. no. PSER:SCT:PAL-M1011:TCN-01, dated 23-04-09
	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 Annexure C4 of Vol-II & ID (Technical Spec.& SCC) has been revised as Annexure C4 (REV) which is enclosed herewith for consideration during submission of offer.
- 2.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

**DGM (SCT)**

Enclosure:

1. Revised 'No deviation certificate.
2. Annexure C4 (Revised)

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	<i>Logistics of ODC Consignment from Various BHEL Manufacturing units and or Port of Origin to Palatana site through Road &amp; Waterways for Unit # 1 &amp; 2 of 726.6 (2X363.3) MW Gas based CCPP at Palatana, Udaipur, Tripura</i>	
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	3.0	BHEL's TCN-01 vide ref. no. PSER:SCT:PAL-M1011:TCN-01, dated 23-04-09
	04	BHEL's TCN-02, vide reference no PSER:SCT:PAL-M1011:TCN-02, dated 24-04-09.
	05	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)

## **ANNEXURE-C4 (REVISED)**

### **A) MODULES:**

- (1) Considering the criticality of module transport, Hydraulic trailers only to be used for modules transport from **Trichy to Haldia**, transshipment at Haldia and Karimganj and transport from Karimganj to Pallatana site.
  - Special transporting and supporting structures and the hydraulic trailers to be provided by the transport contractor.
  - The scope of design of transport structure for modules shall be decided later.
- (2) One consignment of modules will comprise minimum of 12 modules (each module weighing 9 MT (Max), height (max) 2m, length (Max) 24m and width (max) 4 m.
- (3) Modules beam supports at 9 locations are required, where vibration snubber assembly are located. The beam length should be 4.2 mtr. Cradle supports are also required for arresting the side way movements of modules.
- (4) Because of the length of module is 23.5 mtr and length between extreme supports in module is 22.5 mtr, the hydraulic trailer having 16 axles (total length of 24 mtr) has to be envisaged as hydraulic trailer of 14 axles is of 21 mtr length only.
- (5) One consignment having 12 modules put together will not pose weight problem for hydraulic trailer. However, the load on the bottom modules need to be confirmed for safety of the bottom module due to weight.
- (6) The modules with transport structure will be lashed properly during transport and storage.
- (7) The modules with transport structure should never be lifted using crane.
- (8) The module consignment with transport structure should never be tilted or stacked one on the other.
- (9) The modules with transport structure should be uniformly raised or lowered using hydraulic trailer bed.
- (10) The modules with transport structure should be stored at port/barge on a raised platform/beam/post, which should be sturdy enough to

support the modules. Sufficient storage space is to be arranged at Haldia and Karimganj by transporter.

**B) DRUMS & HEADERS:**

Hydraulic trailers only to be used by transporter from Trichy to Pallatana. Vendors expressed requirement of saddle supports at different locations for transportation of drums/headers. Below wooden saddles, beam supports are required for water transportation through barge. All special transporting and supporting structures are to be provided by the transporter.

**C) PRESERVATION :**

Normally BHEL/Trichy uses preservatives to last for 3-4 months in normal weather conditions. However, in case of ODC items (HRSG modules, drums & Headers) to Pallatana, it is envisaged to take longer time to reach site. Hence a special treatment for preservation is required for lasting one year and preserve modules against adverse corrosive condition of chemical fumes (SOX & NOX etc) at Haldia during storage and saline weather condition during water transportation from Haldia to Karimgang port. The special anti corrosive painting shall be done by BHEL Tiruchy.

**D) STORAGE :**

- (1) Since ODC consignments calls for various mode of transport such as land, river water and hill station transportation, a special arrangement of transportation handling system is a must. It involves storage of ODC consignments at Haldia port and Karimganj for which transporter/PSER to organize for the sufficient space requirement and handling facilities – unloading at Haldia, movement from storage yard to barge at Haldia and from barge to Storage yard at Karimganj. Storage and handling facilities are to be provided by transporter.
- (2) All consignments to be covered with tarpaulin during storage – by transporter

**E) LASHING / LIFTING:**

For ODC items of HRSG Modules, Drums & Headers lashing locations will be provided by BHEL/Tiruchy. All lashings is to be provided by Transporter only.

**F) COST IMPLICATION :**

Transporter is to provide specially designed transportation/handling structure for transportation of ODC items (HRSG modules, Drums & headers) from Trichy to Pallatana site. Accordingly cost may be included in the transport contract.