



# भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

## BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

**TCN - 04**

Ref: PSER:SCT:MJA-C751:TCN-04

Date: 21-06-2007

Sub	Tender change notice (TCN) 04.	
Job	Civil, structural etc work of Power Block 1 covering power house including common control room bay, mill bay, aux buildings, misc civil works etc of unit # 1 for 2x500 MW unit # 1 & 2 Mejia-B TPS, West Bengal.	
Ref	1.0	Tender no PSER:SCT:MJA-C751:07.
	2.0	BHEL's NIT vide reference no PSER:SCT:MJA-C751:0900, dated 18-05-07.
	3.0	BHEL's TCN-01 vide reference no PSER:SCT:MJA-C751:TCN-01, dated 25-05-07.
	4.0	BHEL's TCN-02 vide reference no PSER:SCT:MJA-C751:TCN-02, dated 01-06-07.
	5.0	BHEL's TCN-03 vide reference no PSER:SCT:MJA-C751:TCN-03, dated 11-06-07.

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

- 1.0 Bidder shall note the clarification/ modifications as per enclosed Annexure-A while submitting offer.
- 2.0 No deviation certificate has been revised as per enclosed Annexure-2. Bidder shall submit 'No deviation certificate' as per attached format only.
- 3.0 Due date of submission of offer is extended from 25-06-2007 to **02-07-2007 (15-00 hrs)**.
- 4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

DGM (SCT)

Encl

- 1.0 Annexure-A.
- 2.0 Annexure-2 - Revised format of 'No deviation certificate'.

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 : 23211691

**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	Civil, structural etc work of Power Block 1 covering power house including common control room bay, mill bay, aux buildings, misc civil works etc of unit # 1 for 2x500 MW unit # 1 & 2 Mejia-B TPS, West Bengal.	
Ref	01	BHEL's NIT vide reference no PSER:SCT:MJA-C751:0900, dated 18-05-07.
	02	Tender no PSER:SCT:MJA-C751:07.
	03	BHEL's TCN-01 vide reference no PSER:SCT:MJA-C751:TCN-01, dated 25-05-07.
	04	BHEL's TCN-02 vide reference no PSER:SCT:MJA-C751:TCN-02, dated 01-06-07.
	05	BHEL's TCN-03 vide reference no PSER:SCT:MJA-C751:TCN-03, dated 11-06-07.
	06	BHEL's TCN-04 vide reference no PSER:SCT:MJA-C751:TCN-04, dated 21-06-07.
	07	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 and in case of 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 and confirm our acceptance to reverse auctioning process and we hereby convey our unqualified acceptance to all terms and conditions as stipulated in the tender and NIT.

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 strictly in accordance with tender instructions.

Thanking you,

Yours faithfully,

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

Sl no	Tender no / / Volume no / clause no	Clarification/ modification.		
1.0	PSER:SCT:MJA-C751:07/ Volume-III A & IIIB, Rev-1/ ST NO 1001	The description of item stands corrected as under.  Providing brick work in cement mortar 1:6 (1 part cement 6 parts coarse sand) in walls, chambers, foundations, pits etc in varying thickness, at all depths, places and positions below plinth including raking out joints, curing, scaffolding etc complete excluding plastering and painting.		
2.0	PSER:SCT:MJA-C751:07/ Volume-III A & IIIB, Rev-1/ ST NO 1300	The description of item stands corrected as under.  FINISHES, PAINTING TO CONCRETE, PLASTERED SURFACES, SURFACE PREPARATION INCLUDING ALL MATERIALS, LABOUR, SCAFFOLDING ETC ALL COMPLETE (PAINTS OF REPUTED BRAND OF REPUTED MANUFACTURER LIKE ICI/ BERGER/ ASIAN PAINTS OR EQUIVALENT)		
3.0	PSER:SCT:MJA-C751:07/ Volume-III A & IIIB, Rev-1/ ST NO 1419	The description of item stands corrected as under.  Providing & laying polished marble slabs (Aranga white) 20/ 25 mm thk of size 1500x600 mm in flooring over minimum 20 mm thick under-bed of cement mortar (1 cement :3 sand). The marble slabs shall be laid over under-bed, pressed and tapped down with wooden mallet to the proper level, lifted and pressed again with thick cement slurry spread over the surface with fine joint finished including pigments, curing, grinding, granite polishing etc complete.		
4.0	PSER:SCT:MJA-C751:07/ Volume-III A & IIIB, Rev-1/ ST NO 2111	Description of item stands corrected as under.  Providing & fixing GI pipes of class B-medium complete with GI sockets, unions, elbows, tees, nipples etc including trenching & refilling anti-corrosive paint etc complete (external work) 50 mm nominal bore (NB).		
5.0	PSER:SCT:MJA-C751:07/ Volume-III A & IIIB, Rev-1/ ST NO 2209	Description of item stands corrected as under.  Providing, laying light duty non pressure NP3 class RCC pipes with collars jointed with stiff mixture of cement mortar 1:2 including testing of joints etc as per specifications for dia.		
6.0	PSER:SCT:MJA-C753:07/ Volume-ID/ Clause no 26.4	The clause stands revised as under.		
		Following major T&Ps to be arranged by contractor within the time as indicated against each T&P.		
		Major T&P items	Number required	Mobilizing time from LOI date
6.1	26.4.1	35/ 40 T crawler crane	1 no	15 days before start of erection.
6.2	26.4.2	18 T crawler crane	1 no	At the time of fabrication.
6.3	26.4.3	Hydra (10/ 12 T cap)	2 nos	1 <sup>st</sup> - within 180 days. 2 <sup>nd</sup> - before start of erection.
6.4	26.4.4	Drill machine (all cut)	2 nos	Before start of fabrication.

**ANNEXURE-A TO TCN-04**

6.5	26.4.5	Submerged arch welding machine	1 no	15 days before starting of fabrication.
6.6	26.4.6	MIG machine	2 nos	15 days before starting of fabrication.
6.7	26.4.7	Welding rectifier	10 nos	15 days before starting of fabrication.
6.8	26.4.8	Power driven HSFG bolt tightening m/c	1 no	During erection.
6.9	26.4.9	PLC based automatic batching plant with printing facility (30 cum/hr) - to be commissioned at site.	1 no	Within 40 days.
6.10	26.4.10	PLC based portable automatic batching plant with printing facility (20 cum/ hr) – to be made available as & when required to cater the requirement of bulk concreting.	1 no	As & when required, alternately contractor to arrange ready mix concrete from other source within existing plant.
6.11	26.4.11	Transit mixer (4.5/5/6 cum capacity)	2 nos	1 <sup>st</sup> - within 40 days. Balance within 60 days
6.12	26.4.12	Concrete pump (20 cum/ hr min capacity & lift 70M)	2 nos	1 <sup>st</sup> - within 60 days. 2 <sup>nd</sup> - within 150 days
6.13	26.4.13	Air compressor	1 no	As & when required.
6.14	26.4.14	Self priming dewatering pump 5 HP (diesel/ electric)	2 nos	Within 20 days.
6.15	26.4.15	Self priming dewatering pump 2 HP (diesel/ electric)	2 nos	Within 15 days.
6.16	26.4.16	2 HP sludge/ sump electric pump.	2 nos	Within 30 days.
6.17	26.4.17	Curing/ dewatering pump – 1.5/ 2 HP (pump for curing at heights)	2 nos	Within 60 days.
6.18	26.4.18	Hydraulic excavator/ poclairn.	1 no	Within 30 days.
6.19	26.4.19	Dozer.	1 no	Within 30 days.
6.20	26.4.20	Pneumatic hammer.	1 no	As & when required.
6.21	26.4.21	Ply shuttering board including propping with steel tubular sections/ ACROW pipes	3,000 sqm	1 <sup>st</sup> 1,500 sqm - within 60 days. 2 <sup>nd</sup> 1,500 sqm - within 200 days.
6.22	26.4.22	Dumper	6 nos	Within 20 days.
6.23	26.4.23	Reinforcement bending machine	1 no	Within 30 days.
6.24	26.4.24	Reinforcement cutting machine	1 no	Within 30 days.
6.25	26.4.25	MS scaffolding pipe	20,000 RM	As per site requirement.
6.26	26.4.26	Power driven earth rammer	2 nos	Within 60 days.
6.27	26.4.27	Vibromax (earth compacter)	1 no	Within 60 days.
6.28	26.4.28	Compression testing machine (200 T cap)	1 no	Within 45 days.
6.29	26.4.29	Other civil lab equipment with proper shed (15 Mx6 M).	As required	Within 45 days.
6.30	26.4.30	Electric winch with building hoist.	2 nos	As & when required.
6.31	26.4.31	Total station.	1 no	Within 15 days.

**ANNEXURE-A TO TCN-04**

6.32	26.4.32	Theodolite 1 second accuracy	1 no	Within 30 days.
6.33	26.4.33	Auto level & staff	2 nos	Within 15 days.
6.34	26.4.34	Concrete cube moulds	72 nos	Within 15 days.
6.35	26.4.35	Drinking water tank – 3000 lit.	1 no	Within 30 days.
6.36	26.4.36	Truck mounted water tank with sprinkler arrangement.	1 no	Within 45 days.
6.37	26.4.37	Ultra-sonography testing machine for structural work.	1 no	During fabrication.
6.38	26.4.38	Radiography source.	1 no	Within 100 days.
6.39	26.4.39	Portable fire extinguishers as below: Soda acid Dry chemical powder CO2 Water & sand bucket (4 buckets in one stand) Fire hose with nozzle (50 M length)	10 sets 6 sets 5 sets 4 sets 2 sets	Within two months.
7.0	PSER:SCT:MJA-C751:07 and PSER:SCT:MJA-C752:07, Volume-ID, Clause no 26.4	Following item is added under this clause.		
		Major T&P items	Number required	Mobilizing time from LOI date
7.1	26.4.53	Passenger-cum-goods elevator/ lift for construction purposes.	1 no	Within 130 days.