



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:VIZ-C1116:TCN-01

Date: 07-08-2010

Sub	Tender change notice-01 (TCN- 01).	
Job	INSTALLATION, TESTING OF CAST-IN-SITU RCC BORED PILES FOR TESTING (INITIAL COMPRESSION, LATERAL & PULL-OUT) & ALLIED WORKS FOR 2X520 MW HNPCL VIZAG THERMAL POWER PROJECT.	
Ref	1.0	Tender no PSER:SCT:VIZ-C1116:10
	2.0	BHEL's NIT, vide reference no Ref: PSER:SCT:VIZ-C1116 :2320 Dated 30/07/2010
	3.0	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 **Cl. 19 of SCC:** Cement shall be OPC Gr. 43, instead of OPC with C3A content between 5 to 8%. Vol-III A is also revised accordingly. Pl. refer Vol-III A, Rev -01.
- 2.0 **Vol-III A – SI. No. B.1 & B.2 :** Both are revised to include '..... removal of rubbish upto a distance of 200m.....' instead of 50 m. Pl. refer Vol-III A, Rev-01.
- 3.0 Considering all above, the rate schedule has been revised and enclosed herewith as VOLUME-III A, REV-01. The REV-0 stands deleted and not to be considered for quoting purpose.
- 4.0 In consideration of the above changes, the "No deviation certificate" has been modified. The revised no deviation certificate vide ANNEXURE-2 is enclosed herewith. Bidders are requested to submit as per revised format only.

All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

ENGR (SCT)

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	INSTALLATION, TESTING OF CAST-IN-SITU RCC BORED PILES FOR TESTING (INITIAL COMPRESSION, LATERAL & PULL-OUT) & ALLIED WORKS FOR 2X520 MW HNPCL VIZAG THERMAL POWER PROJECT.	
Ref	1.0	Tender no PSER:SCT:VIZ-C1116:10
	2.0	BHEL's NIT, vide ref. no.PSER:SCT:VIZ-C1116:2320, dated 30-07-2010.
	3.0	BHEL's TCN-01, vide ref. no.PSER:SCT:VIZ-C1116:TCN-01 dated 07-08-2010
	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)

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

VOLUME-III PRICE/RATE SCHEDULE, REV-01	
JOB : INSTALLATION, TESTING OF CAST-IN-SITU RCC BORED PILES FOR TESTING (INITIAL COMPRESSION, LATERAL & PULL-OUT) AND ALLIED WORKS FOR 2X520 MW HNPCL VIZAG THERMAL POWER PROJECT.	
TENDER NO :- PSER:SCT:VIZ-C1116:10	
PREAMBLE	
01	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender as per NIT together with subsequent changes/modifications etc thereto as applicable as on date of submission of price offer.
02	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
03	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
04	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc equipment, strengthening of roads/culverts/bridges etc including arranging all clearances etc required for carrying out different activities & tests, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.
05	The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons what-so-ever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains within thirty percent ($\pm 30\%$) of the awarded contract price.
06	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing and leveling etc including fixing of grid pillars, benchmarks etc required for commencement of site activities. No separate payment will be made towards the same.
07	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English
08	The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
09	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.
10	For each rate schedule, the quoted overall price only should be considered for bid evaluation purpose & groupwise rates are being obtained only for facilitating pro-rata billing.
11	Summation of quoted prices all the price/rate schedules shall be considered for evaluation.
12	All works item wise shall be measured upon completion and paid for at the rates quoted & accepted.

VOL-IIIA (RATE SCHEDULE), REV-01

JOB : INSTALLATION, TESTING OF CAST-IN-SITU RCC BORED PILES FOR TESTING (INITIAL COMPRESSION, LATERAL & PULL-OUT) AND ALLIED WORKS FOR 2X520 MW HNPCL VIZAG THERMAL POWER PROJECT.

Sl. No.	Item Description	TOTAL ALL INCLUSIVE PRICE (IN RS.)
I.	INSTALLATION, TESTING OF CAST-IN-SITU RCC BORED PILES FOR TESTING (INITIAL COMPRESSION, LATERAL & PULL-OUT) AND ALL WORKS AS PER SCC FOR 2X520 MW HNPCL VIZAG THERMAL POWER PROJECT.	

**VOL-III, REV-01
PRICE SCHEDULE
BORED CAST-IN-SITU TEST PILES & ALLIED JOB AT 2X520 MW HNPCL TPP, VIZAG PROJECT**

ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	RATE (INR)	AMOUNT (INR & words)
2500 PILING WORKS					
2501	Mobilisation of Piling Rig along with diesel Bored winch with all rollers, sleepers, etc. complete equipment and accessories capable of pile boring/ drilling in all types of strata/installing various size of bored cast in situ RCC piles (600 mm to 760 mm Diameter pile) in project site and demobilisation of the same after completion of piling works etc all complete.	LS	4		
A2503	Installation of Bored cast-in-situ RCC vertical pile as per IS 2911 (Part 1 Sec 2) with diameter and length as specified (length to be measured from pile cut-off level to the bottom of pile ; Pile cut off level may vary between 2.5m & 3.0 m below existing ground level depending upon the particular location of the test) using cement concrete grade M30 conforming to IS:456 with 20 mm nominal size stone aggregates with a minimum cement content of 400Kg per cum of concrete including providing all materials (but excluding reinforcement steel for which measurement/payment shall be made separately), providing and mixing sodium Nitrate base Corrosion inhibitor of approved make and dosages as per manufacturer's specification and as directed by engineer-in-charge, boring/drilling in all types of soil, providing bentonite slurry and/or casing for stabilization of pile bore, flushing of pile bore, cleaning, providing plasticizer wherever required, breaking pile head to cut off level and exposing pile reinforcement for embedment in pile cap etc including empty boring from ground level to pile cutoff level etc all complete as per specification, drawing and as directed by the engineer-in-charge for the following. (Ordinary portland cement Gr. 43 shall be used in concrete) Supply by contractor : All materials including steel reinforcements of TMT steel of grade Fe-500 confirming to IS:1786, Ordinary portland cement grade 43, sodium Nitrate base Corrosion inhibitor of approved make, sand, 20 mm nominal size stone aggregates, bentonite slurry etc.				
a	Pile with 600 mm diameter and 20 m length below cut off level	Each	9		
b	Pile with 750 mm diameter and 20 m length below cut off level	Each	9		
2504	Extra over ST. No. A2503 for pile length more than the specified length of 20m below cut off level for the following.				
a	For 600 mm diameter pile	Rm	9		
b	For 750 mm diameter pile	Rm	9		
2505	Rebate on ST.No.A 2503 for pile length less than the specified length of 20m below cut off level for the following.				
a	For 600 mm diameter pile	Rm	9		
b	For 750 mm diameter pile	Rm	9		
A2506	Extra over ST.No.A2503 for boring/drilling in rock, cleaning the pile hole, concreting etc all complete for the following.				
a	For 600 mm diameter pile	Rm	27		
b	For 750 mm diameter pile	Rm	34		
2507	Conducting initial load test upto a maximum test load of 2.5 times the safe load capacity on single pile as specified in accordance with IS 2911 (Part-4) including preparation of pile head for testing, necessary excavation, all arrangements of loading, unloading, test equipments/accessories, jacks, recording of results, labour, submission of test report but excluding the cost of installation of pile etc all complete as per specification, drawing and as directed by engineer in-charge for the following.				

ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	RATE (INR)	AMOUNT (INR & words)
a	For vertical compression test by cyclic load method				
i	600 mm diameter pile	Each	3		
ii	750 mm diameter pile	Each	3		
b	For lateral load test				
i	600 mm diameter pile	Each	3		
ii	750 mm diameter pile	Each	3		
c	For tension/uplift test				
i	600 mm diameter pile	Each	3		
ii	750 mm diameter pile	Each	3		
A2509	Carrying out low strain pile integrity test on 600mm/750mm diameter pile including all arrangements for test, equipments/accessories, materials, labour, submission of test report etc all complete as per specification and as directed by the engineer-in-charge.	Each	18		
A2510	Providing / supplying, straightening, cutting, bending, placing in position at any level, binding in position of steel reinforcements of TMT steel of grade Fe-500 confirming to IS:1786 including cost of binding wire, labour, scaffolding, transportation to & from stores etc complete all as per specifications, drawings and as directed by Engineer.	MT	18		
B	MISCELLANEOUS WORK				
1	Clearing grass, jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 200m outside the periphery of the area cleared, as directed by the engineer-in-charge.	SQM	16000		
2	Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material upto a distance of 200 m outside the periphery of the area cleared, as directed by the engineer-in-charge .				
2.1	Beyond 30 cm girth upto and including 60 cm girth	NO.	50		
2.2	Beyond 60 cm girth upto and including 120 cm girth	NO.	50		
2.3	Beyond 120 cm girth upto and including 240 cm girth	NO.	50		
2.4	Beyond 240 cm girth	NO.	10		
	TOTAL AMOUNT IN RUPEES				
C	MISCELLANEOUS ITEMS:				
1	Quote % above or below or at par for items not covered above of this schedule. The rate shall be derived from DELHI SCHEDULE OF RATES (DSR) 2007				
a	Rate of complete item		%		
b	Rate of supply of materials at site only.		%		
c	Rate for execution complete excluding supply of materials.		%		