



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 01

Ref: PSER:FEX:12-13:TPT:10:TCN-01

Date: 28-02-2013

Sub	Tender change notice (TCN) 01.	
Job	Transportation of 1no. Liebherr make LR1600/2, 600MT Hydraulic Crawler Crane with 96M Boom, 24M Jib along with spares & accessories from BHEL-PSER Vizag site, Andhra Pradesh to BHEL-PSER Singareni site, Andhra Pradesh on door delivery basis.	
Ref	1.0	Tender no : PSER:FEX:PMX:LR1600/2:VIZ-SRN:12-13:D-10
	2.0	BHEL's NIT, vide reference no : PSER:FEX:12-13:TPT:10 Date: 26-02-2013
	3.0	All other pertinent issues till date.

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

- 1.0 Some typographical error in Annexure-I (Packing List) and Annexure-III (Tentative Loading Plan) of "VOLUME- II" has been corrected, hence Bidder should consider Revised Packing List [ANNEXURE-I (REVISED)] and Revised Tentative Loading Plan [ANNEXURE-III (REVISED)] only as enclosed herewith.
- 2.0 'No Deviation Certificate' has been revised accordingly and bidder shall submit No Deviation Certificate [ANNEXURE-2 (REVISED)] as per enclosed format only.
- 3.0 All other terms & conditions shall remain unchanged.

In case offer has already been sent, bidder may take back the offer & submit new offer or submit supplementary offer.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

ENGR (FEX)

Encl

1.0 As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

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	Transportation of 1no. Liebherr make LR1600/2, 600MT Hydraulic Crawler Crane with 96M Boom, 24M Jib along with spares & accessories from BHEL-PSER Vizag site, Andhra Pradesh to BHEL-PSER Singareni site, Andhra Pradesh on door delivery basis.	
Ref	1.0	Tender no : PSER:FEX:PMX:LR1600/2:VIZ-SRN:12-13:D-10
	2.0	BHEL's NIT, vide reference no : PSER:FEX:12-13:TPT:10 Date: 26-02-2013
	3.0	BHEL's TCN-01, vide reference no PSER:FEX:12-13:TPT:10: TCN-01 , dated 28-02-2013
	4.0	All other pertinent issues till date.

Dear Sirs,

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 as stipulated in the tender.

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, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

PACKING LIST OF LIEBHERR, LR1600/2 CRANE WITH 96M BOOM & 24M JIB

SL. NO.	DESCRIPTION	QTY.	WEIGHT OF EACH ITEM (KG)	DIMENSION OF EACH ITEM (M)			TRAILER WISE LOADING PLAN #	TRAILERS TYPE & CAPACITY #	TRAILER'S DIMENTION (LxWxH OF TRAILER'S BED) #
				LENGTH	WIDTH	HEIGHT			
1	crawler left incl. 1 x driving gear (shoe 1,5 m)	1	33,000	11.00	1.85	1.90			
2	crawler right incl. 1 x driving gear (shoe 1,5 m)	1	33,000	11.00	1.85	1.90			
3	Superstructure with crawler center section, 2x slewing gear, winch I, winch II, SA-frame incl. winch IV	1	90,590	14.80	3.00	4.00			
4	Center counterweight I	2	2,500	2.70	2.00	1.40			
5	Center counterweight II	6	10,000	2.50	1.60	0.47			
6	Counterweight base plate	2	5,000	2.70	1.80	1.80			
7	Counterweight slabs	14	10,000	2.50	1.60	0.47			
8	S-pivot section	1	13,400	10.40	3.00	3.00			
9	Interm. section 6 m (S-20)	1	4,800	6.40	3.00	2.80			
10	Interm. section 12 m (S-20), boom nose 36 t	1	9,100	12.40	3.00	2.80			
11	Interm. section 12 m (S-25)	3	9,000	12.40	3.00	2.80			
12	Interm. section 12 m (S-16Z)	1	8,000	12.60	3.00	2.80			
13	Interm. section 12 m (Li-09 for f-jib)	1	5,000	12.40	3.00	2.80			
14	SL-reducing section	1	5,000	7.20	3.00	2.80			
15	SW-head section	1	4,500	2.70	1.90	2.90			
16	F-assembly unit incl. FA-Frame, F-pivot section and F-override protection	1	2,800	7.30	2.80	2.90			
17	F- interm. section 6 m	2	1,000	6.20	2.10	1.70			
18	F-head section	1	1,700	8.00	2.10	1.70			
19	D-pivot section incl. Winch III with luffing pulley block	1	22,900	9.90	3.00	2.70			
20	D-interm. section 6 m	1	4,200	6.40	2.60	2.40			
21	D-interm. section 12 m	1	7,800	12.40	2.60	2.40			
22	D-head section	1	13,300	8.90	2.70	2.30			
23	roller set for sw-head section 300 t	1	1,400	1.60	1.30	1.00			
24	roller set for sw-head section 320 t	1	1,500	1.60	1.40	1.00			
25	counterweight craddle with centering	1	11,670	10.30	2.40	1.60			
26	counterweight slabs	14	10,000	2.50	1.60	0.47			
27	hookblock 600/300 t	1	6,200	2.70	1.70	1.20			
28	part of hookblock 600/300 t 9-sheave with 5 add. counterweight plates	2	5,040	1.80	1.00	1.58			
29	hookblock 125 t 3 sheave with 8 additional counterweight. plate	1	5,760	2.00	1.15	1.20			
30	load hook	1	1,140	1.30	0.62	0.60			
31	4 x tread grill for crawler	1	800	1.85	1.52	1.50			
32	2x podest, 2x stairs	1	530	2.56	1.50	1.20			
33	equipment (hydr. aggregate, ...)	1	2,850	2.00	1.60	1.90			
34	spare parts (order no. 572484)	1	1,000	2.00	1.60	1.90			
35	Container	1	10,000	6.096	2.43	2.59			
36	HOOK BLOCK 215T, 7 SHEAVE	1	5,200	1.8	1.11	1.5			

LAST THREE COLUMNS NEED TO BE FILLED BY BIDDERS AS FOR "LOADING PLAN" (REFER CLAUSE NO.- 6 UNDER TERMS & CONDITION).

NOTE: BIDDER MAY PLEASE NOTE WITH RESPECT TO DIMENSION AND WEIGHT GIVEN ABOVE THERE MAY BE VARIATION OF +/- 10%.

TENTATIVE LOADING PLAN OF LIEBHERR, LR1600/2 CRANE WITH 96M BOOM & 24M JIB

SL. NO.	DESCRIPTION	QTY.	GROSS WEIGHT OF THE ITEM (KG)	DIMENSION OF EACH ITEM (M)			TRAILER TYPE & CAPACITY	NO OF TRAILER
				LENGTH	WIDTH	HEIGHT		
1	crawler left incl. 1 x driving gear (shoe 1,5 m)	1	33,000	11.00	1.85	1.90	XXXL HBT	1
2	crawler right incl. 1 x driving gear (shoe 1,5 m)	1	33,000	11.00	1.85	1.90	XXXL HBT	1
3	Superstructure with crawler center section, 2x slewing gear, winch I, winch II, SA-frame incl. winch IV	1	90,590	14.80	3.00	4.00	SUITABLE HYDRAULIC AXLE	1
18	F-head section (BOOM)	1	1,700	8.00	2.10	1.70	XXL HBT/SLBT	1
16	F-assembly unit incl. FA-Frame, F-pivot section and F-override protection	1	2,800	7.30	2.80	2.90	XXL HBT/SLBT	1
31	4 x tread grill for crawler	1	800	1.85	1.52	1.50		
32	2x pedestal, 2x stairs	1	530	2.56	1.50	1.20		
4	Center counterweight I	1	2,500	2.70	2.00	1.40	XXL HBT/SLBT	1
5	Center counterweight II	1	10,000	2.50	1.60	0.47		
5	Center counterweight II	1	10,000	2.50	1.60	0.47		
4	Center counterweight I	1	2,500	2.70	2.00	1.40	XXL HBT/SLBT	1
5	Center counterweight II	1	10,000	2.50	1.60	0.47		
5	Center counterweight II	1	10,000	2.50	1.60	0.47		
5	Center counterweight II	1	10,000	2.50	1.60	0.47	XXXL HBT/SLBT	1
5	Center counterweight II	1	10,000	2.50	1.60	0.47		
6	Counterweight base plate	1	5,000	2.70	1.80	1.80		
6	Counterweight base plate	1	5,000	2.70	1.80	1.80	XXXL HBT/SLBT	1
7	Counterweight slabs	1	10,000	2.50	1.60	0.47		
7	Counterweight slabs	1	10,000	2.50	1.60	0.47		
7	Counterweight slabs	12	120,000	2.50	1.60	0.47	XXXL HBT/SLBT	4
8	S-pivot section (BOOM)	1	13,400	10.40	3.00	3.00	XXL HBT/SLBT	1
9	Interm. section 6 m (S-20)	1	4,800	6.40	3.00	2.80	XXL HBT/SLBT	1
20	D-interm. section 6 m	1	4,200	6.40	2.60	2.40		
10	Interm. section 12 m (S-20), boom nose 36 t	1	9,100	12.40	3.00	2.80	XXL HBT/SLBT	1
11	Interm. section 12 m (S-25)	3	27,000	12.40	3.00	2.80	XXL HBT/SLBT	3
12	Interm. section 12 m (S-16Z)	1	8,000	12.60	3.00	2.80	XXL HBT/SLBT	1
13	Interm. section 12 m (Li-09 for f-jib)	1	5,000	12.40	3.00	2.80	XXL HBT/SLBT	1
14	SL-reducing section	1	5,000	7.20	3.00	2.80	XXL HBT/SLBT	1
15	SW-head section	1	4,500	2.70	1.90	2.90		

TENDER NO: PSER:FEX:PMX:LR1600/2:VIZ-SRN:12-13:D-10

ANNEXURE-III (REVISED)

TENTATIVE LOADING PLAN OF LIEBHERR, LR1600/2 CRANE WITH 96M BOOM & 24M JIB

SL. NO.	DESCRIPTION	QTY.	GROSS WEIGHT OF THE ITEM (KG)	DIMENSION OF EACH ITEM (M)			TRAILER TYPE & CAPACITY	NO OF TRAILER
				LENGTH	WIDTH	HEIGHT		
17	F- interm. section 6 m	2	2,000	6.20	2.10	1.70	XXL HBT/SLBT	1
19	D-pivot section incl. Winch III with luffing pulley block (BOOM)	1	22,900	9.90	3.00	2.70	XXL HBT/SLBT	1
21	D-interm. section 12 m	1	7,800	12.40	2.60	2.40	XXL HBT/SLBT	1
22	D-head section	1	13,300	8.90	2.70	2.30	XXL HBT/SLBT	1
24	roller set for sw-head section 320 t	1	1,500	1.60	1.40	1.00	XXL HBT/SLBT	1
25	counterweight cradle with centering	1	11,670	10.30	2.40	1.60		
26	counterweight slabs	9	90,000	2.50	1.60	0.47	XXXL HBT/SLBT	3
26	counterweight slabs	1	10,000	2.50	1.60	0.47	XXL HBT/SLBT	1
26	counterweight slabs	1	10,000	2.50	1.60	0.47		
26	roller set for sw-head section 300 t	1	1,400	1.60	1.30	1.00	XXL HBT/SLBT	1
26	counterweight slabs	1	10,000	2.50	1.60	0.47		
28	part of hookblock 600/300 t 9-sheave with 5 add. counterweight plates	2	10,080	1.80	1.00	1.58	XXL HBT/SLBT	1
26	counterweight slabs	1	10,000	2.50	1.60	0.47	XXXL HBT/SLBT	1
27	hookblock 600/300 t	1	6,200	2.70	1.70	1.20		
29	hookblock 125 t 3 sheave with 8 additional counterweight. plate	1	5,760	2.00	1.15	1.20		
30	load hook	1	1,140	1.30	0.62	0.60		
33	equipment (hydr. aggregate, ...)	1	2,850	2.00	1.60	1.90	XXXL HBT/SLBT	1
34	spare parts (order no. 572484)	1	1,000	2.00	1.60	1.90		
35	Container	1	10,000	6.096	2.43	2.59		
26	counterweight slabs	1	10,000	2.50	1.60	0.47		
36	HOOK BLOCK 215T, 7 SHEAVE	1	5,200	1.8	1.11	1.5		
							TOTAL	34

SUMMARY :-

SL. NO.	TYPE OF TRAILER	QTY.
1	SUITABLE HYDRAULIC AXLE	1
2	XXXL HBT	2
3	XXXL HBT/SLBT	11
4	XXL SLBT/HBT	20
TOTAL VEHICLES REQUIRED		34