

TENDER SPECIFICATION

NO. BHE/PW/PUR/NBNT-BLR(Vertical Pkg) U-1 & 3 /743

COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD;
TRANSPORTATION TO SITE; ERECTION, TESTING & ASSISTANCE FOR
COMMISSIONING, TRIAL OPERATION AND HANDING OVER OF 2 UNITS OF 250 MW
BOILER AND ITS AUXILIARIES, AUXILIARY BOILER, AIR PREHEATERS, DUCTS
AND DAMPERS, FUEL PIPING, BOILER INTEGRAL PIPING & ASSOCIATED VALVES,
ELECTROSTATIC PRECIPITATOR, FANS, POWER CYCLE PIPING, COAL MILLS AND
COAL FEEDERS, CHEMICAL DOZING SYSTEM, INSULATION, FINAL PAINTING ETC
OF **BLOCK I (UNIT 1 & 3)** AT 4x250 MW BRBCL NABINAGAR
THERMAL POWER PROJECT

AT

BHARATIYA RAIL BIJLEE COMPANY LIMITED

NABINAGAR THERMAL POWER PROJECT (4x250 MW)

NABINAGAR, DISTT: AURANGABAD, BIHAR

PART II

(PRICE BID SPECIFICATION)



BHARAT HEAVY ELECTRICALS LIMITED

(A GOVERNMENT OF INDIA UNDERTAKING)

POWER SECTOR : WESTERN REGION

345, KINGSWAY : NAGPUR 440 001

BHARAT HEAVY ELECTRICALS LIMITED

(A GOVERNMENT OF INDIA UNDERTAKING)
POWER SECTOR - WESTERN REGION
SHREEMOHINI COMPLEX
345-KINGSWAY, NAGPUR 440 001

TENDER SPECIFICATION DOCUMENT ISSUE DETAILS

TENDER SPECIFICATION No. BHE/PW/PUR/NBNT-BLR(Vertical Pkg) U-1 & 3 /743

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ELECTROSTATIC PRECIPITATOR, FANS, POWER CYCLE PIPING, COAL MILLS AND
COAL FEEDERS, CHEMICAL DOZING SYSTEM, INSULATION, FINAL PAINTING ETC
OF **BLOCK I (UNIT 1 & 3)** AT 4x250 MW BRBCL NABINAGAR THERMAL
POWER PROJECT**

AT

BHARATIYA RAIL BIJLEE COMPANY LIMITED

NABINAGAR THERMAL POWER PROJECT (4x250 MW)

NABINAGAR, DISTT: AURANGABAD, BIHAR

EARNEST MONEY DEPOSIT: Please see Special Conditions of Contract.

LAST DATE FOR

TENDER SUBMISSION: Please see Notice Inviting Tender

THESE TENDER DOCUMENTS CONTAINING **PART-I** (TECHNICAL BID SPECIFICATION & GCC) AND PART- **II**: PRICE
BID (**BLOCK I**), ARE ISSUED TO:

M/s.....

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(TENDER DOCUMENTS ARE NOT TRANSFERABLE)
FOR BHARAT HEAVY ELECTRICALS LIMITED

Sr DGM (Purchase)

PLACE: NAGPUR

DATE :

Bharat Heavy Electricals Limited (PSWR, Nagpur)
Tender Specification no. BHE/PW/PUR/NBNT-BLR(Vertical Pkg) U-1 & 3 /743
Part- II: Price Bid Specification BLOCK I (U # 1 & 3)
A : Schedule of Quantities and Applicable Rate per Unit of Measurement

Sl no	Description/Item of work	Quantity	Unit of Measurement	Applicable Rate per Unit of measurement
A	Structures	8750	MT	100% of 'X'
B	Non Pressure Parts	5430	MT	100% of 'X'
C	Pressure Parts	4880	MT	125% of 'X'
D	Lining & Insulation	1810	MT	80% of 'X'
E	Electrostatic Precipitator	9600	MT	60% of 'X'
F	Rotating Machines	3760	MT	60% of 'X'
G	Piping	3120	MT	250% of 'X'
H	Radiography Inspection	2,00,000	cm	Rupees 15/- (Fifteen only)

Note:

1. Rate per Unit of measurement as calculated above shall be rounded off to the nearest whole number
2. X : is the Single Notional Rate per UOM quoted by Bidder in the Price Bid
3. Details of the "Description/Items of work" are detailed in the Annexure-I of this price bid specifications.

Example:-

Say Rs 10,537.77 is the notional rate ("X") in Rupees per UOM quoted by the bidder in the price bid.

The applicable rate per MT for sl nos A to G of above table shall be as calculated below:

Sl No	Description/Item of work	Applicable rate per MT (rounded off to nearest integer)
A	Structures	100% of Rs 10,537.77 = Rs 10,538/-
B	Non Pressure Parts	100% of Rs 10,537.77 = Rs 10,538/-
C	Pressure Parts	125% of Rs 10,537.77 = Rs 13,172/-
D	Lining & Insulation	80% of Rs 10,537.77 = Rs 8430/-
E	Electrostatic Precipitator	60% of Rs 10,537.77 = Rs 6323/-
F	Rotating Machines	60% of Rs 10,537.77 = Rs 6323/-
G	Piping	250% of Rs 10,537.77 = Rs 26,344/-

Date:

Signature & Official Seal of Bidder

Bharat Heavy Electricals Limited (PSWR, Nagpur)
Tender Specification no. BHE/PW/PUR/NBNT-BLR(Vertical Pkg) U-1 & 3 /743
Part- II: Price Bid Specification BLOCK I (U # 1 & 3)

B : PRICE BID

SN	Description / Item of Work	Single Notional Rate "X" in Rupees per MT	
		In Figures	In words
1	Erection, Testing, Assistance for Commissioning etc of Boiler –Vertical Pkg as per scope of work detailed in Tender Specification BHE/PW/PUR/NBNT-BLR(Vertical Pkg) U-1 & 3 /743 for BLOCK I (Unit 1 & 3)		

Note :

1. Notional Rate "X" shall be quoted in Rupees and shall be up to a maximum of 2 decimal places; for example Rs 10,537.77
2. After Price Bid opening, and in case of a tie among two or more bidders in L-I rates (i.e quoting exactly the same LEAST notional rate "X" in Rupees per MT), then these bidders shall be intimated separately to submit rebate in Rupees (upto a maximum of two decimal places) in a 'SEALED ENVELOPE'. The L-I shall be the party who offers the maximum rebate and the new notional rate shall be "X" less the rebate offered.
3. In case of further tie, process of sl no 2 is repeated so as to arrive at a single L-I Notional rate
4. Total amount for the work shall be the summation of amounts obtained by multiplying respective item 'Quantities' to the applicable rate per MT (Obtained from single notional rate as explained in the Example above).

Date:

Signature & Official Seal of Bidder

Bharat Heavy Electricals Limited (PSWR, Nagpur)
Tender Specification no. BHE/PW/PUR/NBNT-BLR(Vertical Pkg) U-1 & 3 /743

ANNEXURE - I

SN	DESCRIPTION OF WORK
	COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD; TRANSPORTATION TO SITE ; ERECTION , TESTING & ASSISTANCE FOR COMMISSIONING, TRIAL OPERATION AND HANDING OVER OF BOILER AND ITS AUXILIARIES,AUXILIARY BOILER, AIR PREHEATERS, DUCTS AND DAMPERS, FUEL PIPING, BOILER INTEGRAL PIPING & ASSOCIATED VALVES, ELECTROSTATIC PRECIPITATOR, FANS, POWER CYCLE PIPING, COAL MILLS AND COAL FEEDERS, CHEMICAL DOZING SYSTEM, INSULATION, FINAL PAINTING ETC OF 4x250 MW BRBCL NABINAGAR THERMAL POWER PROJECT BLOCK 1 (Unit 1 & 3)
A)	STRUCTURES
	MAIN SUPPORTING STRUCTURES, PLATFORMS, STAIRWAYS, GALLERIES, HANDRAILS ETC OF BOILER, EXTERNAL STRUCTRES, HANGERS AND SUPPORTS AND INTERCONNECTING STRUCTURES ETC
B)	NON-PRESSURE PARTS
	BUCKSTAYS, SEAL BOXES, SOOT BLOWERS, FURNACE DOORS, MAIN BOILER ENCLOSURE, SKIN CASING & COMPONENTS, OIL AND GAS BURNERS, IGNITORS, FUEL OIL SYSTEM AND PIPING, IGNITOR AIR, SEAL AIR, SCANNER AIR SYSTEMS, COAL BURNERS, PULVERISED FUEL PIPING, AIR DUCTS ETC.
C)	PRESSURE PARTS
	PRESSURE PARTS OF DRUM, CIRCULATION SYSTEM, ECONOMISER, SUPERHEATERS, REHEATERS, TANKS (PG 04, 05, 06, 07, 10, 11, 12, 15, 16, 17, 18 (PART), 19, 21, 81 (PART) & PG 24 ETC
(D)	LINING & INSULATION
E)	ELECTROSTATIC PRECIPITATOR (PG 78 & 89) ETC
F)	ROTATING PARTS
	ROTARY AIR HEATER, FD/ID/PA FANS, MILLS & THEIR AUXILIARIES AND DRIVE MOTORS/VFDs (52,55,56,61,65, &67) ETC
G)	PIPING
	IBR and Non IBR Piping
H)	ACCEPTED RADIOGRAPHY LENGTH

Date:

Signature & Official Seal of Bidder