

TENDER SPECIFICATION

No. - BHE/PW/PUR/BINT– BLR Vertical Pkg/648

FOR

COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD; TRANSPORTATION TO SITE; ERECTION, TESTING & COMMISSIONING, TRIAL OPERATION AND HANDING OVER OF BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER PIPING, POWER CYCLE PIPING, LINING & INSULATION, AND FINAL PAINTING ETC.OF 2x250 MW UNIT # 1&2

AT

BINA POWER SUPPLY COMPANY LTD

BINA THERMAL POWER PROJECT (2x250 MW)

BINA, DISTT: SAGAR,

MADHYA PRADESH

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 No.
BHE/PW/PUR/BINT- BLR Vertical Pkg/648

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COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD;
TRANSPORTATION TO SITE; ERECTION, TESTING & COMMISSIONING, TRIAL
OPERATION AND HANDING OVER OF BOILER AND AUXILIARIES INCLUDING ESP,
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CYCLE PIPING, LINING & INSULATION, AND FINAL PAINTING ETC.OF 2x250 MW
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EARNEST MONEY DEPOSIT: Please see Special Conditions of Contract.

LAST DATE FOR TENDER SUBMISSION: Please obtain updated information from web page
"http://www.bhel.com" → Tender Notifications → View
Corrigendums.

THESE TENDER SPECIFICATION DOCUMENTS CONTAINING **PART-I** AND **PART-II** ARE ISSUED TO:

M/s.

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PLEASE NOTE:
THESE TENDER SPECS DOCUMENTS ARE NOT TRANSFERABLE.

For Bharat Heavy Electricals Limited

Dy. General Manager (Purchase)
Place: Nagpur
Date:

Bharat Heavy Electricals Limited (PSWR, Nagpur)
Tender Specification no.BHE/PW/PUR/BINT-BLR Vertical Pkg/648
Part- II: Price Bid Specification

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	7882	MT	100% of 'X'
B	Non Pressure Parts	4699	MT	100% of 'X'
C	Pressure Parts	4641	MT	125% of 'X'
D	Lining & Insulation	2119	MT	80% of 'X'
E	Electrostatic Precipitator	7476	MT	60% of 'X'
F	Rotating Machines	2432	MT	60% of 'X'
G	Piping	2199	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/BINT-BLR Vertical Pkg/648
Part- II: Price Bid Specification

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/BINT-BLR Vertical Pkg/648		

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

Date:

Signature & Official Seal of Bidder

Bharat Heavy Electricals Limited (PSWR, Nagpur)
Tender Specification no.BHE/PW/PUR/BINT-BLR Vertical Pkg/648
ANNEXURE- I-(Details of Items mentioned in SI No. A to H of Price Bid)

SN	DESCRIPTION	QUANTITY
	COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD; TRANSPORTATION TO SITE; ERECTION, TESTING & COMMISSIONING, TRIAL OPERATION AND HANDING OVER OF BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER PIPING, POWER CYCLE PIPING, LINING & INSULATION, AND FINAL PAINTING ETC.OF 2x250 MW UNIT # 1&2OF 2x250 MW UNIT # 1&2 AT BINA POWER SUPPLY COMPANY PRIVATE LTD; BINA THERMAL POWER PROJECT , BINA , DISTT: SAGAR, MADHYA PRADESH	
A	STRUCTURES: SILENCER SUPPORTS, MAIN SUPPORTING STRUCTURES, PLATFORMS, STAIRWAYS, GALLERIES, HANDRAILS ETC OF BOILER, ELEVATOR STRUCTURES AND CLADDING ETC EXTERNAL STRUCTURES, INTERCONNECTING STRUCTURES, EQUIPMENT HANDLING SYSTEM STRUCTURES, PIPING RACK STRUCTURE {PG 35, 36, 38, 39,99}	7882 MT
B	NON-PRESSURE PARTS : BUCKSTAYS, SEAL BOXES, FURNACE SKIN CASING, SOOT BLOWERS, SILENCERS AND ESCAPE PIPING, FURNACE DOORS, FURNACE SEAL PLATE ASSY, FURNACE ENCLOSURES, VERTICAL ROOF ENCL, FURNACE DECK STRUCTURE,ATTACHMENT TO PRESSURE PARTS & PIPING, OIL AND GAS BURNERS, IGNITORS, FUEL OIL SYSTEM EQUIPMENTS, IGNITOR AIR, SEAL AIR, SCANNER AIR AND FEEDER AIR SYSTEMS, COAL BURNERS, PULVERISED FUEL PIPING, AIR DUCTS, FLUE GAS DUCTING, DAMPERS, EXPANSION PIECES, SUPPORTS, ACTUATORS OF DAMPERS/ REGULATING VANES, SCAPH, COAL FEEDERS, COAL SYSTEM COMPONENTS OF PG 67, CERLINE BENDS OF PF SYSTEM, TANKS & VESSELS {PG Nos. 08, 09, 18, 20, 24 (PART), 28, 30, 31, 41, 42(PART), 43, 45, 47, 48, 57, 67, , 97 (PART)}.)	4699 MT
C	PRESSURE PARTS: PRESSURE PARTS OF BOILER COMPRISING OF BOILER DRUM, CIRCULATION SYSTEM, ECONOMISER, SUPERHEATERS, REHEATERS, TANKS & VESSELS (PG 04, 05, 06, 07, 10, 11, 12, 15, 16, 17, 19, 21, 24 (PART), 42(PART), METAL TEMP. MEASUREMENT PAD AND CLAMPS OF PG 97	4641 MT
D	LINING & INSULATION ;(PGMA 32,33, 37, 79(PART) & 81(PART))	2119 MT
E	ELECTROSTATIC PRECIPITATOR (PG 79 and 89)	7476 MT
F	ROTATING PARTS ROTARY AIR HEATER, FD/ID/PA FANS, BOWL MILLS & THEIR AUXILIARIES AND DRIVE MOTORS/VFDs (52,55,56, 61, 65, BOWL MILLS, MOTORS, VFDs ETC)	2432 MT
G	PIPING SG PIPING, POWER CYCLE & CRITICAL PIPING WITH THEIR VALVES, FITTINGS, HANGERS & SUPPORTS ETC {PG 80}	2199 MT
H	ACCEPTED RADIOGRAPHY LENGTH	200000 CM

NOTE: THE PG NUMBERS INDICATED IN THE BRACKET ARE INDICATIVE ONLY. IN CASE A CLARIFICATION BECOMES ESSENTIAL ABOUT ANY COMPONENTS COVERED IN A PG (NOT INDICATED OR PGMA (PART OF PG), ITS ALLOCATION TO DIFFERENT HEADS LIKE STTUCTURE, PRESSURE PARTS, NON PRESSURE ETC AS DECIDED BY BHEL ENGINEER AND SHALL BE BINDING ON THE CONTRACTOR

Date:

Signature & Official Seal of Bidder