

# TENDER SPECIFICATION

No. - BHE/PW/PUR/SLT-II-BL3/471

FOR

COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD;  
TRANSPORTATION TO SITE; ERECTION, TESTING, ASSISTANCE FOR  
COMMISSIONING & TRIAL OPERATION; FINAL PAINTING AND HANDING  
OVER OF 1x405 TPH CFBC BOILER AND AUXILIARIES INCLUDING ESP,  
ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER INTEGRAL  
PIPING, POWER CYCLE PIPING ETC. OF 125 MW CAPACITY UNIT -3

AT

**GUJARAT INDUSTRIAL POWER COMPANY LIMITED**

SURAT LIGNITE POWER PLANT (SLPP)

NANI NAROLI, TALUKA-MANGROL

DISTT: SURAT, GUJARAT

## **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. No. - BHE/PW/PUR/SLT-II-BL3/471**

FOR

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TRANSPORTATION TO SITE; ERECTION, TESTING, ASSISTANCE FOR  
COMMISSIONING & TRIAL OPERATION; FINAL PAINTING AND HANDING OVER OF  
1x405 TPH CFBC BOILER AND AUXILIARIES INCLUDING ESP, ROTATING  
MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER INTEGRAL PIPING, POWER  
CYCLE PIPING ETC. OF 125 MW CAPACITY UNIT -3

AT

**GUJARAT INDUSTRIAL POWER COMPANY LIMITED**  
SURAT LIGNITE POWER PLANT (SLPP)  
NANI NAROLI, TALUKA-MANGROL  
DISTT: SURAT, GUJARAT

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 (PRICE BID), ARE  
ISSUED TO:

M/s. ....

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PLEASE NOTE:  
THESE TENDER SPECS DOCUMENTS ARE NOT TRANSFERABLE.  
BIDDER SHALL NOTE THAT THEIR OFFER WILL BE CONSIDERED SUBJECT TO THE APPROVAL OF  
BHEL'S CUSTOMER.

For Bharat Heavy Electricals Limited

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

**BHARAT HEAVY ELECTRICALS LIMITED : PSWR : Nagpur**  
**TENDER SPECIFICATION No. No. - BHE/PW/PUR/SLT-II-BL3/471 (PART-II : PRICE BID SPECIFICATION)**  
**Schedule of Rates and Quantities (Page 1 of 3)**

SN	DESCRIPTION OF WORK	QTY	UOM	UNIT RATE (Rs.)	AMOUNT (Rs.)
COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD; TRANSPORTATION TO SITE; ERECTION; TESTING; ASSISTANCE FOR COMMISSIONING & TRIAL OPERATION; AND HANDING OVER OF 405 TPH CFBC BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER INTEGRAL PIPING, POWER CYCLE PIPING ETC. OF UNIT-3 OF 2x125 MW UNIT AT SURAT LIGNITE POWER PLANT, GUJARAT INDUSTRIAL POWER COMPANY LIMITED, NANI NAROLI, TALUKA-MANGROL DISTT: SURAT, GUJARAT. DETAILED SCOPE OF WORK AS PER THE TENDER SPECIFICATION INCLUDING APPLICABLE AMENDMENTS AND CLARIFICATIONS. ITEMS OF WORK AS FOLLOWS.					
<b>A)</b>	<b>STRUCTURES</b>				
	MAIN SUPPORTING STRUCTURES, PLATFORMS, STAIRWAYS, GALLERIES, HANDRAILS ETC OF BUNKERS, BOILER, ELEVATOR/LIFT STRUCTURES, DUCTING, SUPPORTING STRUCTURE & OTHER STRUCTURES AND HANDLING SYSTEM STRUCTURES (TENTATIVELY UNDER PG-34, 35, 36, 38, 39, 99)	3224	MT		
<b>B)</b>	<b>NON-PRESSURE PARTS</b>				
	BUCKSTAYS, SEAL BOXES, FURNACE SKIN CASING, SOOT BLOWERS, SILENCERS & SILENCER SUPPORTING STRUCTURE, ESCAPE PIPING, FURNACE DOORS, BOILER SKIN CASING & ATTACHMENTS, FURNACE ENCLOSURES, VERTICAL ROOF ENCL, FURNACE DECK STRUCTURE, ATTACHMENT TO PRESSURE PARTS & PIPING, OIL AND GAS BURNERS, IGNITORS, FUEL OIL SYSTEM EQUIPMENTS E.G. PUMPS & TANKS, SEAL AIR, SCANNER AIR AND FEEDER AIR SYSTEMS, WIND BOX, COMBUSTOR GRATE, FBHE GRATE SPISES VALVE, BOTTOM ASH COOLERS, COAL & LIMESTONE CONVEYORS, DUCTS, VALVES & OTHER EQUIPMENTS, AIR DUCT, FLUE GAS DUCT, DAMPER, EXPANSION PIECE, SUPPORT, ACTUATORS OF DAMPERS/REGULATING VANES, TUBULAR AIROPREHEATER, SCAPH, LIGNITE FEEDER, BED ASH COOLER, COAL BUNKER, LIGNITE BUNKER, BED MATERIAL BUNKER, LIMESTONE BUNKER, THEIR FEEDERS, BUNKER EVACUATION SYSTEM, ELECTRICAL HEAT TRACING, HP & LP DOSING SYSTEM SKID, PLATE HEAT EXCHANGER FOR BOILER, {TENTATIVELY UNDER PG/PGMA Nos. 08, 09, 18, 20, 24 (PART), 28, 30, 31, 41, 42(PART), 43, 44, 47, 48, 50,66, 81-441}.	3577	MT		

Date

Signature and Official Seal of Bidder

**BHARAT HEAVY ELECTRICALS LIMITED : PSWR : Nagpur**  
**TENDER SPECIFICATION No. No. - BHE/PW/PUR/SLT-II-BL3/471 (PART-II : PRICE BID SPECIFICATION)**  
**Schedule of Rates and Quantities (Page 2 of 3)**

SN	DESCRIPTION OF WORK	QTY	UOM	UNIT RATE (Rs.)	AMOUNT (Rs.)
COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD; TRANSPORTATION TO SITE; ERECTION; TESTING; ASSISTANCE FOR COMMISSIONING & TRIAL OPERATION; AND HANDING OVER OF 405 TPH CFBC BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER INTEGRAL PIPING, POWER CYCLE PIPING ETC. OF UNIT-3 OF 2x125 MW UNIT AT SURAT LIGNITE POWER PLANT, GUJARAT INDUSTRIAL POWER COMPANY LIMITED, NANI NAROLI, TALUKA-MANGROL DISTT: SURAT, GUJARAT. DETAILED SCOPE OF WORK AS PER THE TENDER SPECIFICATION INCLUDING APPLICABLE AMENDMENTS AND CLARIFICATIONS. ITEMS OF WORK AS FOLLOWS.					
C)	<b>PRESSURE PARTS</b>				
	PRESSURE PARTS OF BOILER COMPRISING OF BOILER DRUM, CIRCULATION SYSTEM, EVAPORATORS, SEAL POTS, FBHE EVAPORATORS, ECONOMISER SYSTEM, SUPERHEATER SYSTEM, REHEATERS, ASSOCIATED HEADERS, BOILER TRIM PIPING, SOOT BLOWER PIPING, VALVES AND H&S, FUEL OIL PIPING AND VALVES ETC. {TENTATIVELY UNDER PG Nos. 04, 05, 06, 07, 10, 11, 12, 15, 16, 17, 19, 21, 24 (PART), 42(PART)}	2226	MT		
D)	<b>ROTATING PARTS</b>				
	FD FAN SYSTEM, ID FAN SYSTEM, PA FAN SYSTEM ETC. WITH THEIR AUXILIARIES, SILENCERS, LUBE OIL SYSTEM, DRIVE MOTORS, BOILER FEED PUMPS, COOLING WATER PUMPS ETC. WITH RELATED SYSTEM/COMPONENTS, DRIVE MOTORS ETC. {TENTATIVELY UNDER PG/PGMA Nos. 56, 81-104, 81-110}	260	MT		
E)	<b>PIPING</b>				
	SG PIPING, POWER CYCLE & CRITICAL PIPING, DEMINERALISED WATER SYSTEM, SERVICE WATER PIPING, COOLING WATER PIPING, INSTRUMENT & SERVICE AIR PIPING, HP BYPASS SYSTEM WITH THEIR VALVES, FITTINGS, HANGERS & SUPPORTS, TANKS & VESSELS, AUX. PRDS ETC {PG 80, 81, 22}	614	MT		

Date

Signature and Official Seal of Bidder

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**Schedule of Rates and Quantities (Page 3 of 3)**

SN	DESCRIPTION OF WORK	QTY	UOM	UNIT RATE (Rs.)	AMOUNT (Rs.)
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F)	<b>ELECTROSTATIC PRECIPITATOR, IT'S PLATFORMS, STAIRWAYS &amp; HAND RAILS; INSULATION BETWEEN INNER AND OUTER ROOF ETC.</b> (PG 78 and 89)	2150	MT		
G)	<b>ACCEPTED RADIOGRAPHY LENGTH</b>	120000	CM		
<b>GRAND TOTAL IN FIGURES (Rs.)</b>					
<b>GRAND TOTAL IN WORDS: Rupees</b>					

Date

Signature and Official Seal of Bidder