

# **TENDER SPECIFICATION**

**No. - BHE/PW/PUR/PARST-BPM2/511 (REV-00)**

FOR

MATERIAL HANDLING AND MANAGEMENT INCLUDING RECEIPT, UNLOADING, VERIFICATION, STACKING, PRESERVATION OF PROJECT MATERIALS OF BOILER & AUX, STG & AUXILIARIES, ELECTRICAL, C&I, PIPING, LINING & INSULATION AND OTHER MATERIALS INCLUDING BHEL T&P; PROVIDING MATERIALS MANAGEMENT SERVICES ETC., COLLECTION OF MATERIALS FROM BHEL/ CLIENT'S STORES/ STORAGE YARD; TRANSPORTATION TO SITE OF WORK/PRE-ASSEMBLY YARD; ERECTION, TESTING, ASSISTANCE FOR COMMISSIONING & TRIAL OPERATION, HANDING OVER OF BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER PIPING, POWER CYCLE PIPING ETC OF 2x250 MW UNIT -2

AT

PARAS THERMAL POWER STATION EXPANSION PROJECT

MAHARASHTRA STATE ELECTRICITY BOARD

PARAS

DISTT. AKOLA, MAHARASHTRA

## **PART II - PRICE BID**

BOOK NO.:



**BHARAT HEAVY ELECTRICALS LIMITED**

(A GOVERNMENT OF INDIA UNDERTAKING)

POWER SECTOR : WESTERN REGION

345, KINGSWAY : NAGPUR 440 001

**TENDER SPECIFICATION No.  
BHE/PW/PUR/PARST-BPM2/511 (REV-00)**

FOR

MATERIAL HANDLING AND MANAGEMENT INCLUDING RECEIPT, UNLOADING, VERIFICATION, STACKING, PRESERVATION OF PROJECT MATERIALS OF BOILER & AUXILIARIES, STG & AUXILIARIES, ELECTRICAL, C&I, PIPING, LINING & INSULATION AND OTHER MATERIALS INCLUDING BHEL T & Ps.; PROVIDING MATERIALS MANAGEMENT SERVICES ETC., COLLECTION OF MATERIALS FROM BHEL/ CLIENT'S STORES/ STORAGE YARD; TRANSPORTATION TO SITE OF WORK/PRE-ASSEMBLY YARD; ERECTION, TESTING, ASSISTANCE FOR COMMISSIONING & TRIAL OPERATION, HANDING OVER OF BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER PIPING, POWER CYCLE PIPING ETC OF 1x250 MW UNIT # 1

AT

PARAS THERMAL POWER STATION EXPANSION PROJECT

MAHARASHTRA STATE ELECTRICITY BOARD

PARAS

DISTT. AKOLA, MAHARASHTRA

EARNEST MONEY DEPOSIT    Rs. 2,00,000/- (RUPEES TWO LAKH ONLY)

THESE TENDER DOCUMENTS CONTAINING **PART-I** : TECHNICAL BID AND **PART- II** :  
PRICE BID, ARE ISSUED TO:

M/s.....

.....

(THESE TENDER DOCUMENTS ARE NOT TRANSFERABLE)

FOR BHARAT HEAVY ELECTRICALS LIMITED

DGM (Purchase)  
PLACE: NAGPUR  
DATE :

**BHARAT HEAVY ELECTRICALS LIMITED:PSWR:NAGPUR**  
**TENDER SPECIFICATION No. BHE/PW/PUR/PARST-BPM2/511 (REV-00) PART-II: PRICE BID**  
**RATE SCHEDULE (Page 1 of 6)**

MATERIAL HANDLING AND MANAGEMENT INCLUDING RECEIPT, UNLOADING, VERIFICATION, STACKING, PRESERVATION OF PROJECT MATERIALS OF BOILER & AUX, STG & AUX, ELECTRICAL, C&I, PIPING, LINING & INSULATION AND OTHER MATERIALS INCLUDING BHEL T & Ps.; PROVIDING MATERIALS MANAGEMENT SERVICES ETC., COLLECTION OF MATERIALS FROM BHEL/ CLIENT'S STORES/ STORAGE YARD; TRANSPORTATION TO SITE OF WORK/PRE-ASSEMBLY YARD; ERECTION, TESTING, ASSISTANCE FOR COMMISSIONING & TRIAL OPERATION; HANDING OVER OF BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER PIPING, POWER CYCLE PIPING ETC OF 2x250 MW UNIT # 2.AT MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED, PARAS THERMAL POWER STATION EXPANSION PROJECT, PARAS, DIST.- AKOLA (MAHARASHTRA) AS PER TENDER SPECIFICATION.

SN	DESCRIPTION OF WORK	APPROX. QUANTITY	UOM	UNIT RATE IN FIGURES (Rs.)	TOTAL AMOUNT IN FIGURES (Rs.)
SECTION-"A" : RATE SCHEDULE FOR RECEIPT, UNLOADING, VERIFYING, STACKING ETC. AS PER TENDER SPECIFICATIONS:					
A.1	UNLOADING FROM TRUCKS/TRAILERS/CARRIERS OF ALL TYPES OF CONSIGNMENTS INCLUDING HEAVY/ODC CONSIGNED TO PROJECT SITE AND TRANSPORTED BY ROAD ON DOOR DELIVERY BASIS, VERIFICATION AND STACKING THE SAME IN ASSIGNED LOCATIONS INCLUDING BOX/PACKAGE/CRATE VERIFICATION AND OTHER ASSOCIATED ACTIVITIES IN ACCORDANCE WITH THE SCOPE OF WORK AS DEFINED IN THE PART -I: TECHNICAL BID OF THIS TENDER SPECIFICATION.	20,000	MT		
A.2	CONTACTING ROAD TRANSPORT BASED ON LWB/GC NOTES AND ARRANGING COLLECTION, TRANSPORTATION OF GOODS TO BHEL STORAGE YARD/ STORAGE SHED/ ERECTION SITE, UNLOADING, VERIFICATION AND STACKING THE SAME IN ASSIGNED LOCATION INCLUDING BOX VERIFICATION.	100	MT		

Date:

Signature and Official Seal of the Bidder

**BHARAT HEAVY ELECTRICALS LIMITED:PSWR:NAGPUR**  
**TENDER SPECIFICATION No. BHE/PW/PUR/PARST-BPM2/511 (REV-00) PART-II: PRICE BID**  
**RATE SCHEDULE (Page 2 of 6)**

SN	DESCRIPTION OF WORK	APPROX. QUANTITY	UOM	UNIT RATE IN FIGURES (Rs.)	TOTAL AMOUNT IN FIGURES (Rs.)
A.3	LOADING OF MATERIALS, INCLUDING T&P OF BHEL, INTO TRUCKS/CARRIERS AT SITE STORES/ERECTION SITE FOR ONWARD TRANSPORTATION TO OTHER DESTINATIONS (TRANSPORTATION BY OTHER AGENCIES.)	250	MT		
A.4	COLLECTION OF SMALLS FROM BHEL STORES/ ERECTION SITE, TRANSPORTING TO RAILWAY STATION/TRANSPORT COMPANY'S GODOWNS AND BOOKING FOR ONWARD TRANSPORTATION BY RAILWAYS/ROAD CARRIERS TO OTHER DESTINATIONS.	50	MT		
SUB TOTAL OF SECTION-"A" (IN FIGURES)				Rs.	
SECTION-"B" : RATE SCHEDULE FOR PROVIDING SERVICES FOR MATERIALS MANAGEMENT AS PER TENDER SPECIFICATIONS:					
B.1	PRESERVATION OF EQUIPMENT/COMPONENTS AS DEFINED IN RELEVANT CLAUSES OF SPECIFICATION, IN PART -I: TECHNICAL BID.	500	MAN-DAYS		

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**RATE SCHEDULE (Page 3 of 6)**

SN	DESCRIPTION OF WORK	APPROX. QUANTITY	UOM	UNIT RATE IN FIGURES (Rs.)	TOTAL AMOUNT IN FIGURES (Rs.)
B.2	SHIFTING/RE -ARRANGING/RE -STACKING THE COMPONENT AT THE STORAGE YARD.THE CHARGES SHALL BE ALL INCLUSIVE OF LOADING, TRANSPORTATION, UNLOADING ETC, MANPOWER AND CONSUMABLES ,TOOLS AND PLANTS INCLUDING SUITABLE CRANES, TRANSPORT ETC.	2000	MT		
B.3	SUPERVISORY /STORES ASSISTANCE FOR MATERIALS MANAGEMENT WORK, RECORD UPKEEPING, ISSUE AND RECEIPT OF MATERIAL AND SECRETARIAL WORK WITH PROFICIENCY IN COMPUTER OPERATION.	200	MAN-MONTH	<b>4,500.00</b> BIDDER SHALL NOT QUOTE ANY OTHER RATE FOR THIS ITEM	<b>9,00,000.00</b>
B.4	PROVIDING SERVICES FOR MESSANGING, UPKEEP OF OFFICE AND SUNDRY WORK	75	MAN-MONTH		
THE ABOVE SERVICES SHALL BE ON MONTHLY BASIS FOR 8 HOURS/DAY AND 26 DAYS IN A MONTH. IN CASE IF THE WORK WARRANTS EXTENDED STAY BEYOND 8 HOURS A DAY AND ON SUNDAYS/HOLIDAYS, COMPENSATION WILL BE PAID AT THE RATE AS FOLLOWS. IF Rs. X/- IS THE ACCEPTED RATE PER MAN-MONTH, FOR EXTENDED STAY OF ONE HOUR Rs.X/26x8 SHALL BE PAID i.e., MONTHLY RATE/26 DAYS X 8 HOURS. SIMILARLY DAILY PRO-RATA RATE SHALL BE = ACCEPTED MAN-MONTH RATE DIVIDED BY 26.					
SUB TOTAL OF SECTION-"B": IN FIGURES - Rs.					

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**RATE SCHEDULE (Page 4 of 6)**

SN	DESCRIPTION OF WORK	APPROX. QUANTITY	UOM	UNIT RATE IN FIGURES (Rs.)	TOTAL AMOUNT IN FIGURES (Rs.)
SECTION -"C": ERECTION, TESTING, ASSISTANCE FOR COMMISSIONING & TRIAL OPERATION AND HANDING OVER OF BOILER AND AUXILIARIES INCLUDING ESP, ROTATING MACHINES, DUCTS & DAMPERS, FUEL PIPING, BOILER INTEGRAL AND POWER CYCLE PIPING ETC. AS PER TENDER SPECIFICATIONS:					
C.1	<b>STRUCTURES</b>				
	SILENCER SUPPORTS, FURNACE SEAL PLATE ASSY, FURNACE ENCLOSURES, VERTICAL ROOF ENCL, FURNACE DECK STRUCTURE, MAIN SUPPORTING STRUCTURES, PLATFORMS, STAIRWAYS, GALLERIES, HANDRAILS ETC OF BOILER, EXTERNAL STRUCTURES, INTERCONNECTING STRUCTURES, EQUIPMENT HANDLING SYSTEM STRUCTURES, PIPING RACK STRUCTURE {PG 24 (Part), 30, 35, 36, 38, 39 and SITE FABRICATED STRUCTURES)	4000.00	MT		
C.2	<b>NON -PRESSURE PARTS</b>				
	BUCKSTAYS, SEAL BOXES, FURNACE SKIN CASING, SOOT BLOWERS, SILENCERS AND ESCAPE PIPING, FURNACE DOORS, 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, COAL FEEDERS, COAL SYSTEM COMPONENTS OF PG 67, CERLINE BENDS OF PF SYSTEM, TANKS & VESSELS {PG Nos. 08, 09, 18, 20, 24 (PART), 28, 31, 32, 41, 42(PART), 43, 45, 47, 48, 67, 81 (PART), 97 (PART)}.	2370.00	MT		

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**RATE SCHEDULE (Page 5 of 6)**

SN	DESCRIPTION OF WORK	APPROX. QUANTITY	UOM	UNIT RATE IN FIGURES (Rs.)	TOTAL AMOUNT IN FIGURES (Rs.)
C.3	<b>PRESSURE PARTS</b> 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), 81 (Part), METAL TEMP. MEASUREMENT PAD AND CLAMPS OF PG 97	2225.00	MT		
C.4	<b>ROTATING PARTS</b> ROTARY AIR HEATER, FD/ID/PA FANS, BALL MILLS & THEIR AUXILIARIES AND DRIVE MOTORS/VFDs (52,55,56, 65, BALL MILLS)	2290.00	MT		
C.5	<b>PIPING</b> CRITICAL & OTHER PIPING WITH THEIR VALVES, FITTINGS, HANGERS & SUPPORTS ETC {PG 80, etc.}	875.00	MT		
C.6	<b>ELECTROSTATIC PRECIPITATOR</b> (PG 78 and 89)	3660.00	MT		

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**RATE SCHEDULE (Page 6 of 6)**

SN	DESCRIPTION OF WORK	APPROX. QUANTITY	UOM	UNIT RATE IN FIGURES (Rs.)	TOTAL AMOUNT IN FIGURES (Rs.)
C.7	FABRICATION OF INTERCONNECTING PIPE RACK STRUCTURE AND EMBEDMENTS	200.00	MT		
C.8	ACCEPTED RADIOGRAPHY LENGTH	100000.00	cm		
SUB TOTAL OF SECTION-"C" IN FIGURES: Rs..					
GRAND TOTAL OF RATE SCHEDULE SECTIONS "A" , "B" AND "C" IN FIGURES - Rs.					
GRAND TOTAL OF RATE SCHEDULE SECTIONS "A" , "B" AND "C" IN WORDS& <b>RUPEES</b> ...					
NO UNCALLED FOR ENTRIES SHALL BE MADE IN THE PRICE BID, NON-COMPLIANCE MAY LEAD TO SUMMARY REJECTION OF OFFER.					

Date:

Signature and Official Seal of the Bidder