

TENDER SPECIFICATION

NO. BHE/PW/PUR/IOC-MM&HRSG/530

FOR

RECEIPT / COLLECTION, UNLOADING, HANDLING, STACKING, VERIFICATION OF ENTIRE PROJECT MATERIALS OF GT & HRSG, ELECTRICAL AND C&I EQUIPMENTS, CIVIL REINFORCEMENT & STRUCTURAL STEEL AND OTHER MATERIALS RELATED TO PLANT IN BHEL / CUSTOMER'S STORES/STORAGE YARD AS RECEIVED BY ROAD FROM MANUFACTURING UNITS / TRANSPORTERS GODOWN UNDER MATERIALS MANAGEMENT, RECEIPT / COLLECTION / LOADING/ UNLOADING / TRANSPORTATION OF MATERIALS FROM BHEL / CLIENT'S STORES/STORAGE YARDS TO SITE OF WORK, ERECTION, TESTING, COMMISSIONING, APPLICATION OF THERMAL INSULATION, FINAL PAINTING, CO-GENERATION OPERATION AND HANDING OVER OF 2X100 TPH SUPPLEMENTARY FIRED HEAT RECOVERY STEAM GENERATOR WITH INTEGRAL PIPING AND THEIR AUXILIARIES, INCLUDING CHIMNEY WITH INSULATION ETC. FOR 2x30 MW, EPCC PACKAGE-7(GTG & HRSG), RESIDUE UPGRADATION AND MS/HSD QUALITY IMPROVEMENT (IRUP), IOCL, GUJARAT REFINERY, JAWAHAR NAGAR, VADODARA

AT

**INDIAN OIL CORPORATION LIMITED
GUJARAT REFINERY, JAWAHAR NAGAR
VADODARA (GUJARAT)**

PART II – PRICE BID (REVISION-01 DATED 05.05.2005)

BOOK NO.



BHARAT HEAVY ELECTRICALS LIMITED
(A GOVERNMENT OF INDIA UNDERTAKING)
POWER SECTOR - WESTERN REGION
345, KINGS WAY - NAGPUR 440 001

BHARAT HEAVY ELECTRICALS LIMITED
(A GOVERNMENT OF INDIA UNDERTAKING)
POWER SECTOR - WESTERN REGION
SHREEMOHINI COMPLEX
345, KINGS WAY - NAGPUR 440 001

TENDER SPECIFICATION NO. **NO. BHE/PW/PUR/IOC-MM&HRSG/530**

NAME OF THE WORK : RECEIPT / COLLECTION, UNLOADING, HANDLING, STACKING, VERIFICATION OF ENTIRE PROJECT MATERIALS OF GT & HRSG, ELECTRICAL AND C&I EQUIPMENTS, CIVIL REINFORCEMENT & STRUCTURAL STEEL AND OTHER MATERIALS RELATED TO PLANT IN BHEL / CUSTOMER'S STORES/STORAGE YARD AS RECEIVED BY ROAD FROM MANUFACTURING UNITS / TRANSPORTERS GODOWN UNDER MATERIALS MANAGEMENT, RECEIPT / COLLECTION / LOADING/ UNLOADING / TRANSPORTATION OF MATERIALS FROM BHEL / CLIENT'S STORES/STORAGE YARDS TO SITE OF WORK, ERECTION, TESTING, COMMISSIONING, APPLICATION OF THERMAL INSULATION, FINAL PAINTING, CO-GENERATION OPERATION AND HANDING OVER OF 2X100 TPH SUPPLEMENTARY FIRED HEAT RECOVERY STEAM GENERATOR WITH INTEGRAL PIPING AND THEIR AUXILIARIES, INCLUDING CHIMNEY WITH INSULATION ETC. FOR 2x30 MW, EPCC PACKAGE-7(GTG & HRSG), RESIDUE UPGRADATION AND MS/HSD QUALITY IMPROVEMENT (IRUP), IOCL, GUJARAT REFINERY, JAWAHAR NAGAR, VADODARA (GUJARAT)

EARNEST MONEY DEPOSIT RS.2, 00,000.00 (RS.TWO LAKHS ONLY)

LAST DATE AND TIME FOR
RECEIPT OF OFFERS

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

M/s.

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(THESE TENDER DOCUMENTS ARE NOT TRANSFERABLE)

FOR BHARAT HEAVY ELECTRICALS LIMITED

DGM (PURCHASE)

PLACE: NAGPUR

DATE :

BHEL-PSWR-NAGPUR

PART-II PRICE BID (RATE SCHEDULE PAGE 1 OF 6)
TENDER SPECIFICATION NO BHE/PW/PUR/IOC-MM&HRSG/530

SECTION-A : HRSG & AUXILIARIES					
SN	DESCRIPTION	UOM	QUANTITY	UNIT RATE (Rs.)	AMOUNT (Rs.)
A	Receipt/collection/loading/ unloading/ transportation of materials from BHEL/client's stores /storage yards to site of work, erection, testing, commissioning, Chemical cleaning/Flushing, Alkali Boil out, Steam Blowing, Safety Valve Floating and Final painting of 2x100TPH Supplementary Fired HRSGs with their auxiliaries including Chimney, application of insulation, including assembly, fit up, welding, NDT/ radiography/ pre-heat treatment/post-heat treatment requirement, supporting of field piping, Integral piping and associated Aux. piping etc. at 2x30 MW GTG Based Co-gen, IOCL (IRUP), Gujarat Refinery, Vadodara Project as per tender specification shall broadly be as under:				
A-1	STRUCTURES	MT	435		
	SILENCER SUPPORTING STRUCTURES, MAIN STRUCTURALS, PLATFORMS, STRAIRWAYS, GALLELARIES, FLOOR GRILLS, HANDRAILS, BOILER ROOF SHEETING, ETC. {PG 24 (part), 35, 36} FOR BOTH THE UNITS				
A-2	NON-PRESSURE PARTS	MT	124		
	EXPANSION MOVEMENT MEASURING COMPONENTS, SAFETY VALVES , SILENCERS,BPS COMPONENTS, IGNITORS, GAS BURNERS, SEAL AIR SYSTEM, AUX. AIR SYSTEM, SCANNERS AIR SYSTEM, DUCTS, DAMPERS, EXPANSION PIECES, ETC. {PG 8, 24 (PART), 28, 41, 43, 48} FOR BOTH THE UNITS				
A-3	INSULATION	MT	200		
	FIXING COMPONENTS, RETAINERS, MINERAL WOOL, CERAMIC WOOL, OUTER CLADDING ETC. FOR BOILERS, DUCTS, PIPINGS, OUTER CASING, CHIMNEY, TANKS, VESSELS ETC. (PG 32, 33, 37) FOR BOTH THE UNITS				
A-4	PRESSURE PARTS	MT	648		
	BOILER DRUMS WITH INTERNALS, RISERS, SUPERHEATERS ETC. LINES & LINKS , ECO LINKS, PIPES, SUPPORT AND OTHER COMPONENTS, HEAT TRANSFER MODULES, SOOT BLOWER SYSTEM, TRIM PIPING, OIL SYSETM PIPINGS AND VALVES, TANKS & VESSELS, CHEM.DOSING PUMPS, PIPING ETC. {PG 04, 07, 12, 19, 21, 24(Part), 42, 80, 81, HL} FOR BOTH THE UNITS				
A-5	CHIMNEY	MT	361		
	CHIMNEY IN SHELLS/SECTIONS, FOUNDATION PARTS/MATERIALS, PLATFORMS, LADDERS ETC AND PAINTING TROLLEY ETC. (PG 87)FOR BOTH THE UNITS				
TOTAL AMOUNT OF SECTION -A				Rs.	

DATE

SIGNATURE OF BIDDER

BHEL-PSWR-NAGPUR

PART-II PRICE BID (RATE SCHEDULE PAGE 2 OF 6)
TENDER SPECIFICATION NO BHE/PW/PUR/IOC-MM&HRSG/530

SECTION-B: MATERIAL HANDLING & MATERIALS MANAGEMENT					
SN	DESCRIPTION	QUANTITY	UOM	UNIT RATE (RS.)	AMOUNT (RS.)
B-1	Receipt, unloading/ handling of materials, stacking, verification, preservation, generation of shortages/damages report of all materials received by road and from transporter's Godown for 2x100 TPH Supplementary Fired Heat Recovery Steam Generator and their auxiliaries, Insulation, Chimney and field & Power Cycle Piping, 2x30MW Fr-6 Gas Turbines, Gas Turbine-Generators with their Auxiliaries including Bypass Stack, Gas Turbine Filter, Deaerators with FST, LP Dosing system, Naphta Filter Skids, HSD Filter Skids, Hitech Additive Skids, Naphta Tanks, HSD Tanks, HSD Fuel forwarding Skids, Drain Tanks, Gas Conditioning Skids, Gas Filter Skids, SWAS system, Naphta Colesecent Skids, Water Injection Skids, IBD & CBD Tanks, Heat Exchangers, DM Water Circulating Pump Skids, HSD Centrifuge, Compressor water wash Skids, Diverter Dampers, Electrical and Control & Instrumentation Equipments & items likes, Station Transformers, Generator Transformers, Unit Aux. Transformers, 6.6 KV & 11KV & 33 KV Switchgear Systems/Panels and other related system Panels/cubicles/control panels, other related items like Cable, Cable Trays, Electrical Fittings etc. and Reinforcement & Structural Steel materials supplied by BHEL units, their sub-vendors, bought-out items, any other material like BHEL's T&P, furniture etc. at 2x30 MW GTG Based Co-gen, IOCL (IRUP), Gujarat Refinery, Vadodara Project as per tender specification shall broadly be as under:	9100	MT		
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.	100	MT		
B-3	Collection of materials received as smalls from transporters' godown, transportation to site, verification, stacking etc as per specification (refer clause 4.1.11.1 of technical bid of tender specification)	10	MT		

DATE

SIGNATURE OF BIDDER

BHEL-PSWR-NAGPUR

PART-II PRICE BID (RATE SCHEDULE PAGE 3 OF 6)
TENDER SPECIFICATION NO BHE/PW/PUR/IOC-MM&HRSG/530

SN	DESCRIPTION	QTY	UOM	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
	Total amount of Section -B			Rs.	
	Grand total of Sections A & B in words			Rs.	
	Grand total in words (Rupees ..				

NOTE:

1. NO UNCALLED FOR ENTRIES SHALL BE MADE IN THE RATE SCHEDULE, WHICH OTHERWISE MAY LEAD TO THE REJECTION OF OFFER.
2. OVERWRITINGS, CORRECTIONS, IF ANY, SHALL BE AUTHENTICATED BY THE SIGNATURE OF THE BIDDER.

DATE

SIGNATURE OF BIDDER

BHEL-PSWR-NAGPUR

PART-II PRICE BID (RATE SCHEDULE PAGE 6 OF 6)
TENDER SPECIFICATION NO BHE/PW/PUR/IOC-MM&HRSG/530

<u>ABSTRACT OF RATE SCHEDULE</u>		
SN	DESCRIPTION	TOTAL AMOUNT (Rs.)
1	TOTAL OF SECTION-A: HRSG AND AUXILIARIES	
2	TOTAL OF SECTION - B: MATERIAL HANDLING AND MATERIALS MANAGEMENT	
GRAND TOTAL OF ALL THE SECTIONS (In Figures)		
(In Words) Rupees		

DATE

SIGNATURE OF BIDDER