

TENDER DOCUMENT

TENDER SPECIFICATION NO.: BAP:ERN:KLTPS:ESP:MECH:C:245

NAME OF WORK :

REPLACEMENT OF INTERNALS(MECHANICAL WORK) OF FIELDS (4A & 4B) OF ELECTROSTATIC PRECIPITATOR (ESP) INVOLVING HANDLING AT SITE STORES/ STORAGE YARD, TRANSPORTATION TO SITE OF WORK, DISMANTLING OF EXISTING ESP COMPONENTS TO THE EXTENT REQUIRED, ERECTION, TESTING AND COMMISSIONING OF NEW COMPONENTS IN UNIT- 1&2, KUTCH LIGNITE TPS, GSECL, KUTCH LIGNITE, GUJARAT USING CONTRACTOR'S OWN TOOLS AND PLANTS, CRANES , CONSUMABLES, MANPOWER ETC.

PART - II (PRICE BID)



ERECTION SERVICES DEPARTMENT

BHARAT HEAVY ELECTRICAL LTD

BOILER AUXILIARIES PLANT

RANIPET - 632 406

SCHEDULE OF RATES AND QUANTITY

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THE DETAILED SCOPE FOR THE VARIOUS ITEMS OF WORK SHALL BE AS PER THE TENDER SPECIFICATION (AND ANNEXURE), SPECIAL CONDITIONS OF CONTRACT ETC.

S.No.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE / UNIT IN RS.	AMOUNT IN RS.
A	REPLACEMENT OF THE COMPLETE INTERNALS OF THE FIELDS 4A &4B OF ELECTROSTATIC PRECIPITATOR (ESP), IN UNIT 1 & 2 ,KUTCH LIGNITE TPS OF M/S GSECL.THE BRAKE-UP OF THE WORK INVOLVED IS AS GIVEN IN THE ITEM SCHEDULES HEREIN.THE WORK INVOLVES DISMANTLING OF EXISTING ESP COMPONENTS /MATERIALS AND ERECTION ,TESTING AND COMMISSIONING OF THE NEW COMPONENTS/MATERIALS SUPPLIED BY BHEL .FOR THE DETAILED SCOPE OF WORK REFER TO THE TENDER SPECIFICATION .				
	IT MAY BE NOTED THAT THE DISMANTLING AND RE-ERECTION / ERECTION OF THE CONNECTED HVR TRANSFORMERS, DISCONNECTING SWITCHES, INTERLOCKING BOX, GEARED MOTORS, CABLES ETC. OF ALL THE FOUR FIELDS(FIELDS 4A & 4B IN UNIT 1 & 2)				
	THE SCOPE OF WORK ALSO INCLUDES SHIFTING AND PROPER STORAGE OF DISMANTLED MATERIALS AT GSECL YARD, HANDLING OF NEW ESP COMPONENTS AT SITE STORES / STORAGE YARDS, TANSPORTAION TO SITE OF ERECTION, PREASSEMBLY, WATER WASHING ETC. COMPLETE AND HOOK UP OF THE ENTIRE SYSTEM AS PER DRAWINGS OF BHEL WITH CONTRACTOR'S OWN TOOLS AND PLANTS, CRANES , MACHINARIES, MAN POWER AND CONSUMABLES.				
	ANY DISMANTLING AND RE-ERECTION OF EXISTING MATERIAL/S THAT IS REQUIRED TO COMPLETE THE SPECIFIED WORK SHALL FORM PART OF THE WORK AND BE CARRIED OUT AT NO EXTRA COST TO BHEL.				
	HIRING OF A TELESCOPIC BOOM CRANE OF MINIMUM 75 MT CAPACITY FOR ERECTION IS INCLUDED IN THE SCOPE OF WORK.				
	THE DISTANCE OF BHEL / CUSTOMER STORES / STORAGE YARD WITHIN THE PLANT TO SITE OF ERECTION IS IN A RADIUS OF ABOUT 2.0 KM . ALL THE ABOVE ESP MATERIALS & COMPONENTS WILL BE SUPPLIED BY BHEL ON FREE ISSUE BASIS.				

SIGNATURE OF TENDERER

S.No.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE / UNIT IN RS.	AMOUNT IN RS.
A. 01	REPLACEMENT OF INTERNALS OF FIELDS OF ESP BY DISMANTLING OF THE COMPLETE INTERNALS AND ERECTION , ALIGNMENT, TESTING AND COMMISSIONING OF NEW ESP COMPONENTS / MATERIALS SUPPLIED BY BHEL. THE FIELD INTERNALS CONSIST OF COLLECTTING FRAMES AND ELECTRODES, EMITTING FRAMES AND ELECTRODES, SHOCK BAR GUIDE ASSEMBLY, RAPPING SYSTEMS AND THEIR DRIVES, HOPPER DEFLECTION PLATES ETC. IT ALSO INCLUDING SUPPORT AND SHAFT INSULATORS, INSULATION WOOL ON INNER ROOF, INNER ROOF PANELS, OUTER ROOF PANELS, PLATFORMS, STAIRS, LADDERS, RAILINGS ETC. IT ALSO INCLUDE DISMANTLING AND RE-ERECTION OF THE CONNECTED HVR TRANSFORMERS,DISCONNECTING SWITCH , INTERLOCKING BOX, GEARED MOTORS ,CABLE/CABLE TRAY, ETC FOR ESP FIELDS IN UNIT-1 &2, KUTCH LIGNITE TPS. FOR DETAILED SCOPE OF WORK REFER TO THE TENDER SPECIFICATION	4.00	FIELDS		
B	PROVIDING FOLLOWING MANPOWER SUPPLY ASSISTANCE FOR THE BHEL SITE OFFICE.				
B. 01	ROUND THE CLOCK WATCH & WARD FOR BHEL SITE OFFICE (03 months X 3)	9.00	MAN MONTH		
B. 02	01 NO. CLERK WITH KNOWLEDGE OF COMPUTER OPERATION. THE SCOPE OF THIS MANPOWER SUPPLY INCLUDES PROVIDING ONE NO. LATEST DESK TOP PERSONAL COMPUTER AND ONE LASERJET MULTIFUNCTION DEVICE WITH FAX CUM SCANNER CUM PRINTER FUNCTIONS FOR BHEL SITE OFFICE. (INCLUDING LICENSED OS , SERVICES , MAINTENANCE OF THE COMPUTER SYSTEM AND SUPPLY AND REPLACEMENT OF SPARES & PRINTER CARTRIDGES AS REQUIRED.)	3.00	MAN MONTH		
B. 03	01 NO. OFFICE BOY FOR BHEL SITE OFFICE.	3.00	MAN MONTH		
B.04	01 No. QUALIFIED SAFETY ENGINEER RESPONSIBLE FOR SITE SAFETY OPERATIONS MAINTAINING SAFETY CHECKS, RECORDS ETC.	3.00	MAN MONTH		
	(A) SUB TOTAL				
	(B)SERVICE TAX _____%				
	TOTAL(C) =(A+B)				
	TOTAL AMOUNT IN WORDS :				

SIGNATURE OF TENDERER