

TENDER SPECIFICATION
BHEL:PSSR: ENR-SEZ:2025-26: SCT:212

FOR

**REPLACEMENT OF DAMAGED EXPANSION
BELLOWS WITH NEW EXPANSION BELLOWS FA,
PA& FLUE GAS DUCT OF BOILER UNIT-1 AT
BHEL/ 2X660MW ENNORE SEZ STPP, MINJUR,
PONNERI TALUK, TAMIL NADU**

**PRICEBID
VOLUME -II**

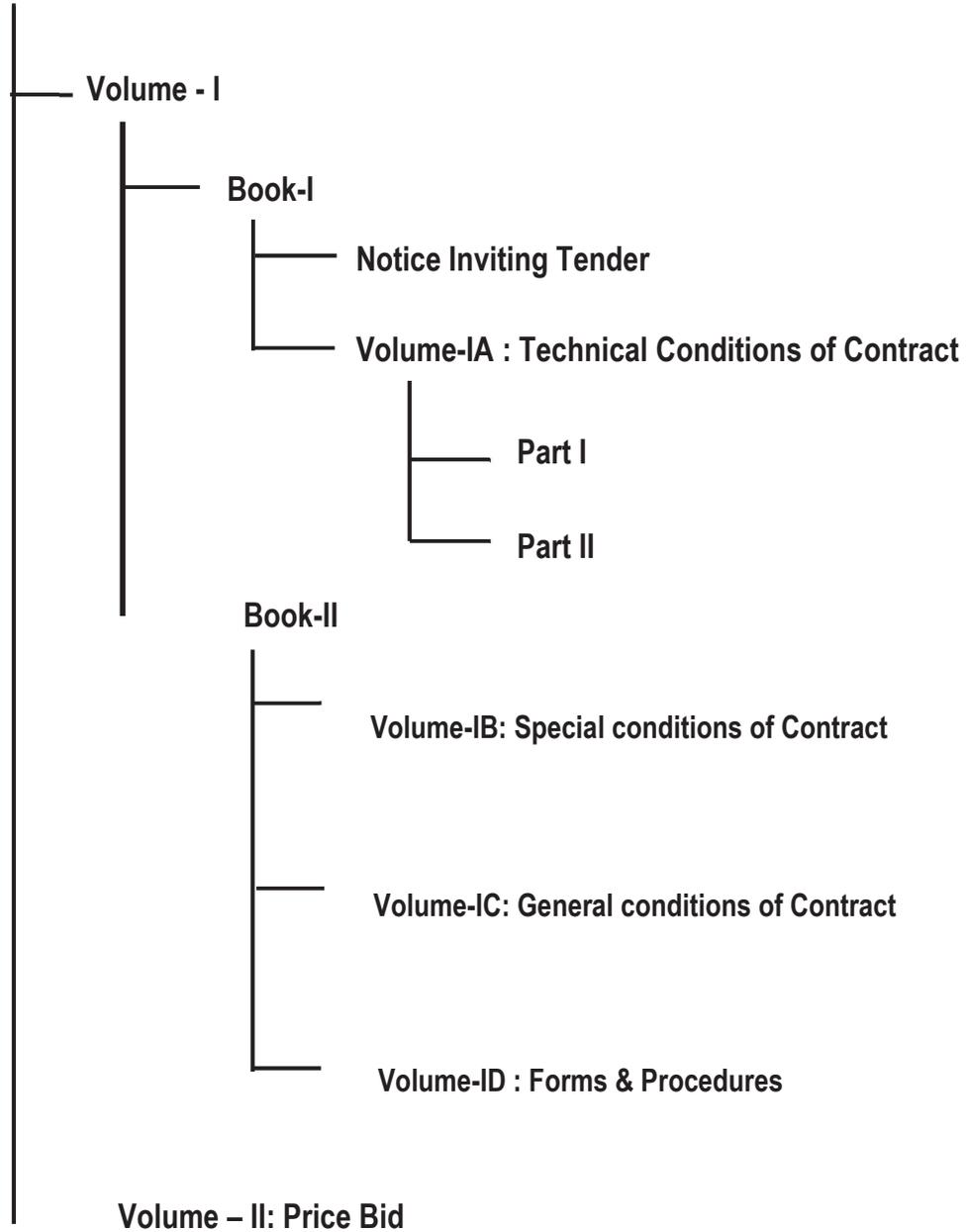


BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)
Power Sector – Southern Region
2X660 MW ENNORE SEZ STPP,
VOYALUR PO, MINJUR, PONNERI TALUK

TENDER SPECIFICATION CONSISTS OF

Tender Specification



CONTENTS

Description	No. of pages
Part A : Instructions to the Bidders	01
Part B : Format for total amount (Enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender)	(Separate Excel File)
Part C: Bill of quantities with weightage for amount of each items with respect to the total quoted price	2

PART A
Instruction to Bidders:

1. The quantity indicated in the BOQ in Part C of Price Bid is approximate only and is liable for variation. Payment will be as per actual quantity executed and as certified by BHEL Engineer.
2. Tenderers are requested to affix their company seal and authorized signature in all pages.
3. Bidders shall quote 'Total Amount' in the format enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender and upload the same under 'Packet details - > Tender covers -> Finance '(Cover Type Description – Price Bid)'' and same shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope of work defined in specification and in accordance with terms & conditions of the tender. Any other entry elsewhere in the price bid shall be treated as Null and Void. Quoting of rates in any other form/formats will not be entertained.
4. The above mentioned 'Total amount' is for the entire Bill of Quantity (BOQ) given in Part -C of the Price Bid.
5. BHEL has pre-fixed the weightages for the amount of individual items of Bill of Quantity with respect to the 'Total Amount' in Part C of Price Bid.
6. Based on the pre-fixed weightages, the amount for the individual items of the Bill of Quantity shall be arrived at. This amount shall be rounded off to the nearest rupee.
7. Based on the quantities of individual item and the amount arrived in Sl. No: 6 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
8. Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed as certified by BHEL Engineer.

Part C : Bill of Quantities

REPLACEMENT OF DAMAGED EXPANSION BELLOWS WITH NEW EXPANSION BELLOWS FA, PA& FLUE GAS DUCT OF BOILER UNIT-1 AT BHEL/ 2X660MW ENNORE SEZ STPP, MINJUR, PONNERI TALUK, TAMIL NADU

Sl. No.	Description	Duct Drawing	Expansion Type	SIZE	PGMA	DU	Qty	Weight (kg)	Total SI No weight	Weightage
1	APH TO WINDBOX DUCTING RHS	0-00-264-30845	FRCEJ SIZE #04	5750x4810	48204	004	2	2560.300	3969.600	0.0944109
						005	2	1409.300		
2	APH TO WINDBOX DUCTING RHS	0-00-264-30845	FRCEJ SIZE #04	5750x4810	48204	005	1	704.650	704.650	0.0167590
3	APH TO WINDBOX DUCTING RHS	0-00-264-30845	FRCEJ SIZE #04	5750x4810	48204	004	2	2560.300	3969.600	0.0944109
						005	2	1409.300		
4	After APH TO Before Common Bus duct RHS	0-00-264-30845	FRCEJ SIZE #01	9092x6089	48204	006	2	2119.800	3889.700	0.0925106
						007	2	1769.900		
5	After APH TO Before Common Bus duct RHS	0-00-264-30845	FRCEJ SIZE #02	9092x3600	48204	002	1	1966.850	1966.850	0.0467785
6	APH TO WINDBOX DUCTING LHS	0-00-264-30845	FRCEJ SIZE #04	5750x4810	48204	004	2	2560.300	3969.600	0.0944109
						005	2	1409.300		
7	APH TO WINDBOX DUCTING LHS	0-00-264-30845	FRCEJ SIZE #04	5750x4810	48204	004	2	2560.300	3969.600	0.0944109
						005	2	1409.300		
8	After APH TO Before Common Bus duct LHS	0-00-264-30845	FRCEJ SIZE #01	9092x6089	48204	006	2	2119.800	3889.700	0.0925106
						007	2	1769.900		
9	C connection to Windbox interconnection LHS Top 40m (first from wind box)	0-00-264-30845	FRCEJ SIZE #06	5800x2410	48204	003	1	1527.183	1527.183	0.0363217

Part C : Bill of Quantities

REPLACEMENT OF DAMAGED EXPANSION BELLOWS WITH NEW EXPANSION BELLOWS FA, PA& FLUE GAS DUCT OF BOILER UNIT-1 AT BHEL/ 2X660MW ENNORE SEZ STPP, MINJUR, PONNERI TALUK, TAMIL NADU

Sl. No.	Description	Duct Drawing	Expansion Type	SIZE	PGMA	DU	Qty	Weight (kg)	Total SI No weight	Weightage	
10	C connection to Windbox interconnection LHS Top 40m (2nd from windbox)	0-00-264-30845	FRCEJ SIZE #06	5800x2410	48204	003	1	1527.183	1527.183	0.0363217	
11	C connection to Windbox interconnection LHS Top 28m (first from wind box)	0-00-264-30845	FRCEJ SIZE #06	5800x2410	48204	003	1	1527.183	1527.183	0.0363217	
12	C connection to Windbox interconnection LHS Top 28 m (2nd from windbox)	0-00-264-30845	FRCEJ SIZE #06	5800x2410	48204	003	1	1527.183	1527.183	0.0363217	
13	RHS APH to BOF just below APH	0-00-269-30937	FRCEJ SIZE #2	14784X6091	48384	005	1	803.500	2018.300	0.0480022	
						006	2	1214.800			
14	LHS APH to BOF just below APH	0-00-269-30937	FRCEJ SIZE #2	14784X6091	48384	005	2	1607.000	2821.800	0.0671122	
						006	2	1214.800			
15	Hot PA to Mill duct	0-00-266-30912	HREXPJ# 4	2488X793	48664	006	4	1546.000	1546.000	0.0367692	
16	Interconnection duct connection with burner	0-00-264-30866	EXPJ STYLE 2	14686x1270	48214	001	6	3221.871	3221.871	0.0766273	
								Total Weight (kg)	42046.004	42046.004	1.0000000