

**PACKAGE-FIRE SEALING SYSTEM (Supply and Erection & Commissioning)**

**PROJECT-1 X 660 MW BHUSAWAL TPP**

**ENQUIRY NO.- PE/PG/BHU/E-7141/2022 Dtd. 23.12.2022**

**Note-Bidders to quote value in highlighted box only.**

**Price Bid Format**

Bidder's Name-													
S. No.	DESCRIPTION OF EQUIPMENT / ITEM FOR OIL FILLED SERVICE TRANSFORMERS	DESCRIPTION 1	HSN CODE	Order Quantity	LOT-1 Quantity	Unit	Unit Ex- Works Price (Rs.)	Total Ex-Works Price (Rs.)	Freight % of Total Ex- works Price	Freight Charges (Rs.)	Rate of GST (%)	GST Amount ON Total Ex-works Price & Freight (Rs.)	Total FOR Site Price (Rs.)
<b>(A) SUPPLY ITEMS:- FIRE SEALING SYSTEM</b>													
<b>A1</b>	FSS-TYPE B FLOOR OPENING BLW PANELS 3HR	(SUPPLY ITEM)	3816	1100	550	SQM		0		0		0	0
<b>A2</b>	FSS-TYPE B FLOOR OPENINGS 3HR	(SUPPLY ITEM)	3816	220	110	SQM		0		0		0	0
<b>A3</b>	FSS-TYPE B WALL OPENINGS 3HR	(SUPPLY ITEM) ]	3816	200	100	SQM		0		0		0	0
<b>A4</b>	FSS TYPE-B PIPE SLEEVES (200 NB) 3HR	(SUPPLY ITEM)	3816	450	225	NOS.		0		0		0	0
<b>A5</b>	COATING ON CABLES	(SUPPLY ITEM)	3208	40000	20000	SQM		0		0		0	0
<b>A6</b>	TOOLS & TACKLE	(SUPPLY ITEM)	8479	1	1	SET		0		0		0	0
<b>A7</b>	TYPE TEST FOR FIRE PROOF SEALING SYSTEM	TYPE TEST (Refer Annexure-A)	9983	1	1	SET		0	NA			0	0
<b>(B) Erection &amp; Commissioning ITEMS:- FIRE SEALING SYSTEM</b>													
<b>B.1</b>	FSS-TYPE B FLOOR OPENING BLW PANELS 3HR	(Erection & Commissioning)	9954	1100	550	SQM		0	NA			0	0
<b>B.2</b>	FSS-TYPE B FLOOR OPENINGS 3HR	(Erection & Commissioning)	9954	220	110	SQM		0	NA			0	0
<b>B.3</b>	FSS-TYPE B WALL OPENINGS 3HR	(Erection & Commissioning)	9954	200	100	SQM		0	NA			0	0
<b>B.4</b>	FSS TYPE-B PIPE SLEEVES (200 NB) 3HR	(Erection & Commissioning)	9954	450	225	NOS.		0	NA			0	0
<b>B.5</b>	COATING ON CABLES	(Erection & Commissioning)	9954	40000	20000	SQM		0	NA			0	0
<b>( C ) GRAND TOTAL FOR EVALUATION (RS.)(A+B)</b>								0		0		0	0

**NOTES :**

1	The fire sealing area indicated under Column "Ordered Quantity" above shall be considered for ordering purposes. Bidder shall indicate during detailed engineering, the quantity of material required to be supplied on per unit basis for each of the items mentioned above, which shall be used for billing purposes of the supply portion after review and acceptance. However, the vendor shall supply the actual material necessary for meeting the specified area requirements as per type-tested arrangement without any commercial implication.				
2	Complete LOT 1 Quantity shall be released along with LOI.				
3	Quantity variation shall be limited to (-) 30% to (+) 30% of the contract value arrived at on the basis of the total ordered quantities. LOT 1 quantities shall be cleared for supply along with the LOI/ PO. However, supplies of quantities shall be made only after approval of drawings, datasheets, quality documentation and successful completion of type testing.				
4	Successful bidder is responsible for estimation of additional quantities based on site conditions and work progress. The estimates shall be used by BHEL as inputs for clearing further quantities. These activities shall be completed within the overall contractual period.				
5	For Type Test requirements refer clause no. 12.0 of Datasheet-A & clause no. 3.0, 4.0 and 5.0 of Section-II of specification.				

1X660 MW BHUSAWAL TPS  
**ANNEXURE-A**  
**FIRE SEALING SYSTEM- TYPE TESTS**

S.NO	TYPE TEST	
	DESCRIPTION	UNIT
1	<b>FIRE STOP SYSTEM</b>	LOT
a)	ACCELERATED AGEING TEST	
b)	WATER ABSORPTION TEST	
c)	FIRE RATING TEST	
d)	HOSE STREAM TEST	
e)	VIBRATION TEST FOLLOWED BY FIRE RATING TEST	
f)	TEMPERATURE RISE TEST FOR CABLES IN FIRE STOP	
g)	ANTI-RODENT TEST	
2	<b>TYPE TEST FOR FIRE PROOF CABLE COATING ARE</b>	
a)	FLAMMABILITY TEST (IEC-60332-3-32)	
b)	LIMITING OXYGEN INDEX TEST (ASTMD-2863), LIMITING OXYGEN INDEX OF THE MATERIAL SHALL BE GREATER THAN 60%	

ANNEXURE - II									
SCHEDULE OF TECHNICAL AND COMMERCIAL DEVIATION									
PROJECT:- 1 x 660 MW BHUSAWAL TPP									
PACKAGE:- FIRE SEALING SYSTEM									
TENDER REF NO - PE/PG/BHU/E-7141/2022 Dtd. 23.12.2022									
NAME OF VENDOR:-									
SL NO	VOULME/ SECTION	PAGE NO.	CLAUSE NO.	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	COMPLETE DESCRIPTION OF DEVIATION	COST OF WITHDRAWAL OF DEVIATION	REFERENCE OF PRICE SCHEDULE ON WHICH COST OF WITHDRAWAL OF DEVIATION IS APPLICABLE	NATURE OF COST OF WITHDRAWAL OF DEVIATION (POSITIVE/ NEGATIVE)	REASON FOR QUOTING DEVIATION
<b>TECHNICAL DEVIATIONS</b>									
<b>COMMERCIAL DEVIATIONS</b>									
<b>PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE</b>									
<b>NAME</b>				<b>DESIGNATIONS</b>		<b>SIGN &amp; DATE</b>			
<b>NOTES:</b>									
1. Cost of withdrawl of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.									
2. All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail in the above format.									
3. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.									
4. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawl of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable. In the absence of same, such deviation(s) shall not be considered and offer shall be considered in total compliance to NIT.									
5. Bidder shall furnish price copy of above format along with price bid.									
6. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.									
7. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.									
8. For deviations w.r.t. Credit Period, Liquidated damages, Firm prices if a bidder chooses not to give any cost of withdrawl of deviation loading as per Annexure-VII, will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawl of deviation shall be taken as NIL.									
9. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be considered.									
10. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format.									
11. Cost of withdrawl is to be given seperately for each deviation. In no event bidder should club cost of withdrawl of more than one deviation else cost of withdrawl of such deviations which have been clubbed together shall be considered as NIL.									
12. In case nature of cost of withdrawl (positive/negative) is not specified it shall be assumed as positive.									
13. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.									