

1X660 MW PANKI TPS
SPECIFICATION NO.: PE-TS-426-302-E001

ANNEXURE-A
BOQ CUM PRICE SCHEDULE FOR OIL FILLED SERVICE TRANSFORMER (MAIN ITEMS)

Sr. No.	Item code	Item description	Unit	ORDERED QUANTITY	REMARKS
1.0	302-11928-A	2000KVA, 11KV/3.45KV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=6.0%, Dyn1, OFF CIRCUIT TAPS. 5% IN STEPS OF 2.5% (WITH CABLE BOX TYPE HV AND WITH BUS-DUCT TYPE LV TERMINATION) (WITH 10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS)	NOS.	4	
2.0	302-11013-A	5000KVA, 11KV/3.45KV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=7.0%, Dyn1, OFF CIRCUIT TAPS. 5% IN STEPS OF 2.5% (WITH CABLE BOX TYPE HV AND WITH BUS-DUCT TYPE LV TERMINATION) (WITH 10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS)	NOS.	4	
3.0	302-11011-A	10000KVA, 11KV/3.45KV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=9.0%, Dyn1, OFF CIRCUIT TAPS. 5% IN STEPS OF 2.5% (WITH CABLE BOX TYPE HV AND WITH BUS-DUCT TYPE LV TERMINATION) (WITH 10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS)	NOS.	2	
4.0	302-11000-B	MANDATORY SPARE	LOT	1	Refer Annexure-B

Notes:

1	BIDDER SHALL INCLUDE THE COST OF 10% EXTRA OIL IN THE COST OF TRANSFORMER. QUANTITY OF EXTRA OIL SHALL BE SUBJECT TO APPROVAL DURING DETAIL ENGINEERING.
2	BIDDER TO NOTE THAT THE COST OF TRANSFORMER SHALL INCLUDE THE COST OF ROUTINE TEST, SPECIAL TESTS & TYPE TESTS . THESE TESTS SHALL BE CARRIED OUT ON TRANSFORMERS WITHOUT ANY ADDITIONAL COST. BIDDER SHALL QUOTE ACCORDINGLY. SPECIAL / TYPE TESTS SHALL BE CONDUCTED AT THIRD PARTY LAB/ VENOR WORKS IN PRESENCE OF CLIENT/ EMPLOYER'S REPRESENTATIVE AND VENDOR TO SUBMIT THE REPORTS FOR APPROVAL
3	BOQ-CUM-PRICE SCHEDULE MAIN ITEMS (ANNEXURE-A), MANDATORY SPARES (ANNEXURE-B) WILL BE CONSIDERED FOR PRICE EVALUATION PURPOSE.
4	CHARGES FOR CARRYING OUT SHORT CIRCUIT TEST SHALL BE PAYABLE BASED ON ACTUAL INVOICE FROM DESIGNATED LABORATORIES (CPRI, BHOPAL/ CPRI, BANGLORE / ERDA, VADODARA) WITH AN ADDITIONAL LUMP SUM AMOUNT OF 5% OF EX-WORKS PRICE OF TRANSFORMER BEING TESTED TO COVER HANDLING COSTS (TRANSPORTATION, INSURANCE ETC.).

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ANNEXURE-B
BOQ CUM PRICE SCHEDULE FOR OIL FILLED SERVICE TRANSFORMER (MANDATORY SPARES)

Sr. No.	Item code	Item description	Unit	ORDERED QUANTIT Y	REMARKS
	302-11000-B	MANDATORY SPARES FOR EACH TYPE AND RATING OF TRANSFORMER			
1.0		Each rating of HV, LV and Neutral bushing	Set of each type of bushing		
a)		11.0/3.45kV, 2000KVA	Set of each type of bushing	1	
b)		11.0/3.45kV, 5000KVA	Set of each type of bushing	1	
c)		11.0/3.45kV, 10000KVA	Set of each type of bushing	1	
2.0		Winding temperature indicator for each rating of transformer.	NOS.		
a)		11.0/3.45kV, 2000KVA	NOS.	1	
b)		11.0/3.45kV, 5000KVA	NOS.	1	
c)		11.0/3.45kV, 10000KVA	NOS.	1	
3.0		Tap changer contacts for each rating of transformer	Set		
a)		11.0/3.45kV, 2000KVA	Set	1	
b)		11.0/3.45kV, 5000KVA	Set	1	
c)		11.0/3.45kV, 10000KVA	Set	1	
4.0		Magnetic oil gauge / oil level indicator with contacts as applicable for each rating of transformer	NOS.		
a)		11.0/3.45kV, 2000KVA	NOS.	1	
b)		11.0/3.45kV, 5000KVA	NOS.	1	
c)		11.0/3.45kV, 10000KVA	NOS.	1	
5.0		Oil temperature indicator with contacts for each rating of transformer	NOS.		
a)		11.0/3.45kV, 2000KVA	NOS.	1	
b)		11.0/3.45kV, 5000KVA	NOS.	1	
c)		11.0/3.45kV, 10000KVA	NOS.	1	
6.0		Buchholz Relay for each rating of transformer	NOS.		
a)		11.0/3.45kV, 2000KVA	NOS.	1	
b)		11.0/3.45kV, 5000KVA	NOS.	1	
c)		11.0/3.45kV, 10000KVA	NOS.	1	
7.0		Float with contact for Buchholz Relay for each rating of transformer	NOS.		
a)		11.0/3.45kV, 2000KVA	NOS.	1	
b)		11.0/3.45kV, 5000KVA	NOS.	1	
c)		11.0/3.45kV, 10000KVA	NOS.	1	
8.0		Set of gaskets (other than that with bushing) for each rating of transformer	NOS.		

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Sr. No.	Item code	Item description	Unit	ORDERED QUANTIT Y	REMARKS
a)		11.0/3.45kV, 2000KVA	NOS.	1	
b)		11.0/3.45kV, 5000KVA	NOS.	1	
c)		11.0/3.45kV, 10000KVA	NOS.	1	
9.0		Set of valves for each rating of transformer	Set		
a)		11.0/3.45kV, 2000KVA	Set	1	
b)		11.0/3.45kV, 5000KVA	Set	1	
c)		11.0/3.45kV, 10000KVA	Set	1	
10.0		Pressure relief device for each rating of transformer(as applicable).	NOS.		
a)		11.0/3.45kV, 2000KVA	NOS.	1	
b)		11.0/3.45kV, 5000KVA	NOS.	1	
c)		11.0/3.45kV, 10000KVA	NOS.	1	

Notes:

- 1 1 set consists of quantities required for 1 complete transformer.