



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT

PROJECT : 2X660 MW ENNORE SEZ STPP
PACKAGE : OIL FILLED SERVICE TRANSFORMER

DATE: - 27.06.2017

Corrigenda/Addenda-1

Reference: i) Enquiry No. E-5638/2017 Dtd. 01.06.2017

Due Date : 12/07/2017 (10:00 AM)

Subject: Technical Clarification, Price Format Revision and Due date extension for offer submission

1. Corrigenda-1 for Technical Specification is attached herewith.
2. Price Format has been revised in line with Corrigenda-1 to Technical Specifications. All bidders to quote strictly as per Price format Rev01.
3. Bid submission date against Tender Enquiry PE/PG/EN1/E-5638/2017 Dated 01.06.2017 is extended till 12.07.2017 (10.00 AM). The Techno-Commercial Bids shall be opened on same day at 11.00 AM.

All other terms and conditions shall remain unchanged.

Regards

Anil Kumar Pandey
Dy. Manager
PG-II-2

2X660 MW ENNORE TPS
CORRIGENDA-1 TO TECHNICAL SPECIFICATION FOR OIL FILLED SERVICE TRANSFORMER
PE-TS-412-302-E001

Sr. No.	Ref. Section	Clause No.	Specific requirement/ Change
1	BOQ Cum price Schedule	Sl. No 3	Voltage ratio of 3500 kVA transformer shall be 11/3.6 kV instead of 11/6.9kV. Kindly refer the Price Format Rev01
2	BOQ Cum price Schedule	Notes 3,5	It is clarified that Short circuit charges are not to be quoted as they shall be paid extra, as indicated at Note no 5.
3	Data Sheet	25 c	Rate for penalty shall be following: i) 'a' for no load loss: 3.49 lacs/kW ii) 'b' for load loss: 2.89 lacs/kW





2X660 MW ENORE SEZ STPP

ANNEXURE-A

PRICE FORMAT FOR INDIAN BIDDERS FOR OIL FILLED SERVICE TRANSFORMERS (REV01)

ENQUIRY NO. - PE/PG/EN1/E-5638/2017 DTD. 01/06/2017

Sr. No.	Item code	Item description	Unit	ORDER QUANTITY	UNIT EX WORKS PRICE (Rs.)	TOTAL EX WORKS PRICES (Rs.)	EXCISE DUTY @...% (FOR SELF MANUFACTURED ITEMS ONLY) (Rs.)	CST@...% AGAINST FORM C-EI/E2 OR VAT@...% AS APPLICABLE (Rs.)	FREIGHT@...% OF EX WORKS INCLUDING SERVICE TAX (Rs.)	TOTAL FOR SITE PRICES (Rs.)
1	2	3	4	5	6	7=5*6	8	9	10	11=7+8+9+10
1	302-11015-A	8000KVA, 11KV/3.6KV, 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)	NOS.	2						
2	302-11014-A	6300KVA, 11KV/3.6KV, 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)	NOS.	4						
3	302-11012-A	3500KVA, 11KV/3.6KV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=5.0%, DYN1, OFF CIRCUIT TAPS. 5% IN STEPS OF 2.5% (WITH CABLE BOX TYPE HV AND WITH BUS-DUCT TYPE LV TERMINATION)	NOS.	2						
4	302-11045-A	10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS FOR 8000KVA, 11KV/3.6KV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=9.0%, DYN1	NOS.	2						
5	302-11045-A	10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS FOR 6300KVA, 11KV/3.6 kV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=6.0%, DYN1	NOS.	4						
6	302-11045-A	10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS FOR 3500 KVA, 11KV/3.6 kV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=5.0%, DYN1	NOS.	2						
7	302-11000-B	MANDATORY SPARE (DETAILED BREAK-UP TO BE FILLED IN ANNEXURE-B)	LOT	1						
TOTAL										

Notes:

- EXCISE DUTY FOR TRANSFORMER OIL (IF DIFFERENT FROM MAIN PRODUCT) @.....% (PERCENTAGE W.R.T. EX WORKS OF TRANSFORMER OIL)
- BIDDER SHALL SUPPLY 10% EXTRA OIL AS PER THE QUOTED PRICE. QUANTITY OF EXTRA OIL SHALL BE SUBJECT TO APPROVAL DURING DETAIL ENGINEERING.
- 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/ VENDOR WORKS IN PRESENCE OF CLIENT/ EMPLOYER'S REPRESENTATIVE AND VENDOR TO SUBMIT THE REPORTS FOR APPROVAL.
- BOQ-CUM-PRICE SCHEDULE MAIN ITEMS (ANNEXURE-A), MANDATORY SPARES (ANNEXURE-B) WILL BE CONSIDERED FOR PRICE EVALUATION PURPOSE.
- 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.).

BIDDERS SIGN AND STAMP

2X660 MW ENORE SEZ STPP										ANNEXURE-B			
PRICE FORMAT FOR INDIAN BIDDERS FOR OIL FILLED SERVICE TRANSFORMERS (REV01)													
ENQUIRY NO. - PE/PG/EN1/E-5638/2017 DTD. 01/06/2017													
Sr. No.	Item code	Item description	Unit	ORDER QUANTITY	UNIT EX WORKS PRICE (Rs.)	TOTAL EX WORKS PRICES (Rs.)	EXCISE DUTY @...% (FOR SELF MANUFACTURED ITEMS ONLY) (Rs.)	CST@...% AGAINST FORM C-E1/E2 OR VAT@...% AS APPLICABLE (Rs.)	FREIGHT@...% OF EX WORKS INCLUDING SERVICE TAX (Rs.)	TOTAL FOR SITE PRICES (Rs.)			
1	2	3	4	5	6	7=5*6	8	9	10	11=7+8+9+10			
	302-11000-B	MANDATORY SPARES FOR EACH TYPE AND RATING OF TRANSFORMER											
1		Bushing											
1(a)		HV Bushing	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
1(b)		LV Bushing	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
1(c)		LV Neutral Bushing	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
2		Winding temperature indicator with contacts	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
3		Tap Changer conatcts	Set	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
4		Magnetic oil gauge/oil level indicator with contacts	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
5		Oil temperature indicator with contacts	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
6		Buchholz Relay	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
7		Float with contact for Buchholz Relay	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
8		Set of gaskets (other than that with bushing)	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
9		Set of valves	Set	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
10		Pressure relief device	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS									
TOTAL													



BIDDERS SIGN AND STAMP

		2X660 MW ENORE SEZ STPP			ANNEXURE-A		
PRICE FORMAT FOR FOREIGN BIDDERS FOR OIL FILLED SERVICE TRANSFORMERS (REV01)							
ENQUIRY NO. - PE/PG/EN1/E-5638/2017 DTD. 01/06/2017							
Sr. No.	Item code	Item description	Unit	ORDER QUANTITY	UNIT C&F PRICE ON INDIAN SEA PORT (CURRENCY)	TOTAL C&F PRICE ON INDIAN SEA PORT (CURRENCY)	
1	2	3	4	5	6	7=5*6	
1	302-11015-A	8000KVA, 11KV/3.6KV, 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)	NOS.	2			
2	302-11014-A	6300KVA, 11KV/3.6KV, 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)	NOS.	4			
3	302-11012-A	3500KVA, 11KV/3.6KV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=5.0%, DYN1, OFF CIRCUIT TAPS. 5% IN STEPS OF 2.5% (WITH CABLE BOX TYPE HV AND WITH BUS-DUCT TYPE LV TERMINATION)	NOS.	2			
4	302-11045-A	10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS FOR 8000KVA, 11KV/3.6KV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=9.0%, DYN1	NOS.	2			
5	302-11045-A	10 % EXTRA TRANSFORMER OIL IN SEALED NON RETURNABLE STANDARD DRUMS FOR 6300KVA, 11KV/3.6 kV, 3 PHASE, 2 WINDING, OUTDOOR, ONAN, Z=6.0%, DYN1	NOS.	4			
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7	302-11000-B	MANDATORY SPARE (DETAILED BREAK-UP TO BE FILLED IN ANNEXURE-B)	LOT	1			
TOTAL							
Notes:							
1	EXCISE DUTY FOR TRANSFORMER OIL (IF DIFFERENT FROM MAIN PRODUCT) @.....% (PERCENTAGE W.R.T. EX WORKS OF TRANSFORMER OIL)						
2	BIDDER SHALL SUPPLY 10% EXTRA OIL AS PER THE QUOTED PRICE. QUANTITY OF EXTRA OIL SHALL BE SUBJECT TO APPROVAL DURING DETAIL ENGINEERING.						
3	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.						
4	BOQ-CUM-PRICE SCHEDULE MAIN ITEMS (ANNEXURE-A), MANDATORY SPARES (ANNEXURE-B) WILL BE CONSIDERED FOR PRICE EVALUATION PURPOSE.						
5	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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2X660 MW ENORE SEZ STPP							ANNEXURE-B
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1(c)		LV Neutral Bushing	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS			
2		Winding temperature indicator with contacts	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS			
3		Tap Changer conatcts	Set	1 FOR EACH TYPE/RATING OF TRANSFORMERS			
4		Magnetic oil gauge/oil level indicator with contacts	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS			
5		Oil temperature indicator with contacts	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS			
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9		Set of valves	Set	1 FOR EACH TYPE/RATING OF TRANSFORMERS			
10		Pressure relief device	NOS.	1 FOR EACH TYPE/RATING OF TRANSFORMERS			
TOTAL							

BIDDERS SIGN AND STAMP