



**BHARAT HEAVY ELECTRICALS LIMITED**  
**PROJECT ENGINEERING MANAGEMENT**

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

**DATE: - 27.07.2017**

**Corrigenda/Addenda-4**

Reference: i) Enquiry No. E-5638/2017 Dtd. 01.06.2017  
ii) Corrigenda-1 Dtd. 27.06.2017  
iii) Corrigenda-2 Dtd. 04.07.2017  
iv) Corrigenda-3 Dtd. 12.07.2017

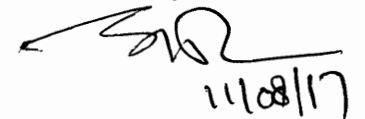
**Due Date : 11/08/2017 (10:00 AM)**

**Subject: Revision of Price Format and Due date extension for offer submission**

- 1) Revised Price Format in line with implementation of GST is attached herewith. All bidders to quote accordingly.
- 2) Bid submission date against Tender Enquiry PE/PG/EN1/E-5638/2017 Dated 01.06.2017 is extended till 11.08.2017 (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



PRICE FORMAT (REV02)-ANNEXURE-A

PROJECT:-2X660 MW ENNORE SEZ STPP

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

PACKAGE-OIL FILLED SERVICE TRANSFORMER

NAME OF VENDOR:-

| INDIAN BIDDERS |             |                                                                                                                                                                            |                                                         |         |                      |                                             |                                               |                            |                              |                                             |                                                              |                                     |                                                |                                              | FOREIGN BIDDERS                               |  |
|----------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------|----------------------|---------------------------------------------|-----------------------------------------------|----------------------------|------------------------------|---------------------------------------------|--------------------------------------------------------------|-------------------------------------|------------------------------------------------|----------------------------------------------|-----------------------------------------------|--|
| SL NO<br>(1)   | ITEM CODE   | ITEM DESCRIPTION AS PER TENDER BOQ (2)                                                                                                                                     | HSN CODE (TO BE FILLED BY THE BIDDER) FOR EACH ITEM (3) | UOM (4) | ORDERED QUANTITY (5) | UNIT EX-WORKS PRICE (DULY PACKED) (INR) (6) | TOTAL EX- WORKS PRICE (DULY PACKED) (INR) (7) | FREIGHT CHARGES            |                              | TOTAL PRICES (ex works + freight) (INR) (9) | APPLICABLE GST RATE IN % ON( TOTAL EX WORKS + FREIGHT) (10A) | TOTAL AMOUNT IN (INR) (10B) [9X10A] | TOTAL PRICE F.O.R Prices with taxes (INR) (11) | UNIT C&F PRICE ON INDIAN SEA PORT (CURRENCY) | TOTAL C&F PRICE ON INDIAN SEA PORT (CURRENCY) |  |
|                |             |                                                                                                                                                                            |                                                         |         |                      |                                             |                                               | @ % OF TOTAL EX WORKS (8A) | AMOUNT IN (INR) (8B) =(7X8A) |                                             |                                                              |                                     |                                                |                                              |                                               |  |
| 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                    |                                             |                                               |                            |                              | [7+8B]                                      |                                                              |                                     | [9+10B]                                        |                                              |                                               |  |
| 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                    |                                             |                                               |                            |                              |                                             |                                                              |                                     |                                                |                                              |                                               |  |
|                |             |                                                                                                                                                                            |                                                         |         |                      |                                             | GRAND TOTAL                                   |                            | GRAND TOTAL                  | GRAND TOTAL                                 |                                                              | GRAND TOTAL                         | GRAND TOTAL                                    |                                              |                                               |  |

Note (as per NIT requirement/Technical Specification), if any :-

- 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/ VENOR 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.).

Points for consideration before filling above price schedule-

- PRICES SHALL BE FIRM UNLESS OTHERWISE SPECIFICALLY INDICATED IN NIT.
- Vendor to mention HSN Code in specific Column for each item of BOQ.
- In case of discrepancy in GST rate corresponding to HSN code and quoted GST, the evaluation shall be done on quoted price and correct GST rate shall be considered for ordering (limited to quoted FOR Site price)
- Unless the context requires otherwise, in all tenders and tender related documents any reference to taxes such as ED, CST/VAT, Services, Tax etc. shall refer to GST as implemented by GOI w.e.f. 1.07.2017.
- CGST/SGST/IGST shall be paid at actuals against documentary evidence but restricted to the amount and percentage in the order/contract.
- In case, any GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry to timeline prescribed in the relevant Act for availing such ITC, or any other reasons not attributable to BHEL, tax amount shall be recoverable from the vendor/contractor along with interest levied/leviable on BHEL.
- All taxes and duties other than CGST/SGST/IGST shall be deemed to be included in the Ex-Works prices unless specified otherwise by the bidder in the price schedule. Variation in other taxes and duties shall be payable by Purchaser.



**PROJECT:-2X660 MW ENNORE SEZ STPP**

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

## PACKAGE-OIL FILLED SERVICE TRANSFORMER

| NAME OF VENDOR: .....                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|---------|----------------------------------------|---------------------------------------------|-----------------------------------------------|----------------------------|-------------------------------|---------------------------------------------|------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------|-----------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                        | INDIAN BIDDERS                                       |                                                         |         |                                        |                                             | FOREIGN BIDDERS                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| SL. NO<br>(1)                                                                                                                                                                                                                                                                                                                                 | ITEM CODE                                                                                                                                                                                                                                                                                                                                                                                              | ITEM DESCRIPTION AS PER TENDER BOQ (2)               | HSN CODE (TO BE FILLED BY THE BIDDER) FOR EACH ITEM (3) | UOM (4) | ORDERED QUANTITY (5)                   | UNIT EX-WORKS PRICE (DULY PACKED) (INR) (6) | TOTAL EX- WORKS PRICE (DULY PACKED) (INR) (7) | FREIGHT CHARGES            |                               | TOTAL PRICES (ex works + freight) (INR) (9) | APPLICABLE GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (10) | TOTAL PRICE F.O.R Prices with taxes (INR) (11) | UNIT C&F PRICE ON INDIAN SEA PORT (CURRENCY) | TOTAL C&F PRICE ON INDIAN SEA PORT (CURRENCY) |
|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               | @ % OF TOTAL EX WORKS (8A) | AMOUNT IN (INR) (8B) = [7x8A] |                                             | TOTAL AMOUNT IN (INR) (10B) [9x10A]                                    |                                                |                                              |                                               |
| <b>302-11000-B MANDATORY SPARES FOR EACH TYPE AND RATING OF TRANSFORMER</b>                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 1                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                        | Bushing                                              |                                                         |         |                                        |                                             |                                               |                            |                               | [7+8B]                                      |                                                                        | [9+10B]                                        |                                              |                                               |
| 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 contacts                                 |                                                         | 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 |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             | GRAND TOTAL                                   |                            | GRAND TOTAL                   |                                             |                                                                        | GRAND TOTAL                                    |                                              |                                               |
| Note (as per NIT requirement/Technical Specification), if any :-                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 1                                                                                                                                                                                                                                                                                                                                             | BIDDER SHALL SUPPLY 10% EXTRA OIL AS PER THE QUOTED PRICE. 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.).                                                                                     |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| <b>Points for consideration before filling above price schedule-</b>                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 1. PRICES SHALL BE FIRM UNLESS OTHERWISE SPECIFICALLY INDICATED IN NIT                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 2. Vendor to mention HSN Code in specific Column for each item of BOQ.                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 3. In case of discrepancy in GST rate corresponding to HSN code and quoted GST, the evaluation shall be done on quoted price and correct GST rate shall be considered for ordering (limited to quoted FOR Site price)                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 4. Unless the context requires otherwise, in all tenders and tender related documents any reference to taxes such as ED, CST/VAT, Services, Tax etc. shall refer to GST as implemented by GOI w.e.f. 1.07.2017.                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 5. GST/SGST/UGST shall be paid at actuals against documentary evidence but restricted to the amount and percentage in the order/contract.                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| 6. In case, any GST credit is delayed/denied to BHEL, due to non/delayed receipt of goods and/or tax invoice or expiry to timeline prescribed in the relevant Act for availing such ITC, or any other reasons not attributable to BHEL, tax amount shall be recoverable from the vendor/contractor along with interest levied/liable on BHEL. |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |
| All taxes and duties other than CGST/SGST/UGST shall be deemed to be included in the Ex-Works prices unless specified otherwise by the bidder in the price bid. No variation in other taxes and duties shall be payable by Purchaser.                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                                         |         |                                        |                                             |                                               |                            |                               |                                             |                                                                        |                                                |                                              |                                               |