



Ref. Enquiry No.: PE/PG/BHU/E-6404/2019; Dated 07.03.2020

DUE DATE
17-MAR-2020
BY 02:00 PM

Dear Ma'am/Sir,

Subject: Tender Enquiry for "OIL FILLED SERVICE TRANSFORMER" as per Technical Specification No. PE-TS-426-302-E001-R0 for 1 X 660 MW PANKI TPS.

BHEL invites your offers for Design, Manufacture, Inspection and testing at Manufacturer's works, proper packing, alongwith supply of mandatory spares, special tools/tackles, and SHORT CIRCUIT TEST etc for **OIL FILLED SERVICE TRANSFORMER for 1 X 660 MW PANKI TPS**. as specified/ defined as per tender technical specification PE-TS-426-302-E001-R0, amendment & agreements till placement of order.

Your offer shall be submitted in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of GCC Rev. 07, in sealed cover for the under mentioned equipment/system.

Item Description – OIL FILLED SERVICE TRANSFORMER		
Sl. No.	Project	TECHNICAL SPECIFICATION NO.
1	1 X 660 MW PANKI TPS	PE-TS-426-302-E001-R0

Your best quotation/offer for the above requirement, in line with our terms and conditions, should be submitted **online via e-procurement system** (<https://bhel.abcpurchase.com>). It shall be the responsibility of the bidder to ensure that the tender is submitted **on or before the due date by 02:00 PM**. Part-I (Techno-commercial) bids shall be opened at **03:00 PM**. on the due date.

Note: 1. Detailed tender documents have been uploaded at the following websites.

www.eprocure.gov.in, www.bhel.com, <https://bhel.abcpurchase.com> & <https://prasarak.bhelpem.com>

Bidders are requested to upload their best offer on <https://bhel.abcpurchase.com> only.

2. In case you are not interested to quote, please send us the regret by mail or letter.

ENQUIRY TERMS AND CONDITIONS:

Please refer BHEL-PEM GCC Rev-07 which are available on <https://www.bhelpem.com/gcc.aspx>. is enclosed. Bidders are requested to go through the same while submitting the offer.

- Offers should be submitted separately in two parts **online through e-procurement system** as follows:
Part-I: TECHNO-COMMERCIAL BID **Part-II: PRICE BID**
For detailed instructions, please see clause no. 1.0 & 2.0 of "Instructions to Bidders (Vol-I, GCC Rev. 07)".
- Bidders shall submit their offers meeting the requirements of the tender documents indicated in GCC, Rev. 07 and other Terms and Conditions included in this Enquiry Letter.
- Bidders to note that following form the part of tender documents:
 - General Conditions of Contract (GCC) Rev 07 comprising of: Instructions to Bidders and General Commercial Terms & Conditions.
 - Technical Specifications.
 - Price format & Special Conditions of Contract (SCC Rev01).
 - Enquiry terms & conditions
 - Technical PQR
 - Other enclosures of the NIT

- Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.

BHEL/PS-Project Engineering Management,
Power Project Engineering Institute,
Plot no. 25, Sector – 16A, Noida (UP) 201301, INDIA
(OFF) +91-120-4368832/ 4368727/ 4368835

Regd. Office
BHEL House Siri Fort
New Delhi- 110049



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5. Tenders shall be submitted strictly in accordance with the requirements of the above mentioned tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out separately in Annexure-II of GCC Rev-07 along with reasons for taking such deviations. Any deviations (Technical as well as Commercial) not mentioned in the Annexure-II shall not be considered. Bidders to note all the points mentioned in "Notes" of Annexure-II to GCC Rev.07.
6. Unsolicited fresh/revised price bids shall not be entertained.
7. Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.
8. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be dispatched only after Purchaser's/Owner's inspection of the hold points specified in the approved Quality Plan and issue of Material Dispatch Clearance Certificate (MDCC).
9. Offers should be submitted separately in two parts **online through e-procurement system only**, however, all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

MOHIT KUMAR GUPTA-DY. ENGR/ RAHUL BHATNAGAR-DY.MGR

PG-III Deptt.

M/s. Bharat Heavy Electricals Ltd.,

Project Engineering Management,

Power Project Engineering Institute,

Plot No 25, Sector-16 A, Noida-201301, U.P., INDIA

E-MAIL: mohitgupta@bhel.in ; rahulbhatnagar@bhel.in; giaia@bhel.in

Ph. No. +91-120-4368832 / 4368727/4368835

10. Delivery completion Schedule: -

Main Supply along with commissioning spares— Refer Annexure-I for delivery completion schedule.

Mandatory Spares: -Four (04) months from the date of BHEL clearance. Separate manufacturing clearance shall be given for mandatory spares.

Bidders to note: -

- a. The end period specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.
- b. The delivery conditions specified are for contractual LD purposes, however BHEL may ask for early deliveries without any compensation thereof.
- c. Non-applicable drawings shall be decided during execution of the package.
- d. Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in this Enquiry letter.

11. Payment Terms: -

- i) **For Main Supply & Mandatory Spares Supply:** - As per clause no. 9.1 of General Commercial terms & conditions of GCC Rev-07.
- ii) **For Short Circuit Test:** - Charges for carrying out short circuit test shall be payable based on actual invoice (100% + Taxes & duties) 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.).

12. Liquidated Damages: - As per clause no. 16 of General Commercial terms & conditions of GCC Rev 07.

13. BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of

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opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

Link for RA guidelines to be followed as:

http://www.bhel.com/vender_registration/pdf/Guidelines%20for%20Reverse%20Auction-2016.pdf

IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

The Bidders has to quote the Single Price (i.e. **Total cost to BHEL excluding GST**) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, Freight charges, Insurance charges (if applicable), Cost of withdrawal (if any), including loading (if any), De-loading (if any) shall be done in line with NIT terms

14. No CIF content is available for this package.
15. Bidder to note that this is a conditional Open Tender enquiry and the price bid (Part-II) opening/RA participation shall be subject to following condition:
 - A) Techno-commercial qualification/recommendation of bidder by BHEL-PEM
 - B) Approval of bidder by End CustomerApproval of bidder shall be taken up by BHEL with End Customer based on credential. Hence, bidders are requested to submit the credential alongwith their offers.
16. The bidders (who are not registered with BHEL-PEM) -Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at www.bhelpem.com → vendor section → Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted'
17. **The Variation on overall package value due to changes in the scope shall be +/-0% of contract value which will prevail over the quantity variation % mentioned in clause no.6.0 indicated in the GCC rev 07.**

18. All Corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (<https://bhel.abcpocure.com>) under subject tender reference. Bidders are requested to visit our

(Signature)
22/03/2020

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websites from time to time to keep themselves updated. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender. For Bidders' convenience, the Helpdesk Nos. of E-Procurement Portal are also listed below:

Name	Contact Nos.	e-mail ID	Role	Location
Mukunthan	+91 6353215001	Trichy.bhel@eptl.in	Support Executive	Trichy
Tej Singh	+91 6353215002	Bhopal.bhel@eptl.in	Support Executive	Bhopal
Sanjeev Kumar	+91 6353215003	Jhansi.bhel@eptl.in	Support Executive	Jhansi
Gaurav Panwar	+91 6353215004	Haridwar.bhel@eptl.in	Support Executive	Haridwar
Mallikarjun	+91 6353215005	Bengaluru.bhel@eptl.in	Support Executive	Bangalore
Avinash Govu	+91 6353215007	Hyderabad.bhel@eptl.in	Support Executive	Hyderabad
Swapnil Hamilton	+91 7940270549	swapnil.h@eptl.in	Support Executive	HO – Ahmedabad
Hardik Oza	+91 7940270560	Hardik.oza@eptl.in	Support Executive	HO – Ahmedabad
Ankur Bhatt	+91 7940270590	ankur.bhatt@eptl.in	Support Executive	HO – Ahmedabad
Prashant Raiyaguru	+91 7940270545	prashant@eptl.in	Asst. Manager	HO – Ahmedabad
Dharam Rathod	+91 7940270596	dharam@eptl.in	Manager	HO – Ahmedabad
Pradip Parmar	+91 7940270532	pradip@eptl.in	Sr Mgr	HO – Ahmedabad
Devang Patel	+91 7940270576	devang@eptl.in	Sr Manager	HO – Ahmedabad

19. If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e-procurement, in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Hence all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch
20. All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.
21. **Evaluation** will be done on overall L1 (**Total cost to BHEL excluding GST**) basis, with necessary loading/de-loading as applicable.
22. Bidders are required to quote freight charges (in % of total Ex-Works Price) separately.
23. The offers of the bidders who are on the banned list and also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website <http://www.bhel.com>.
24. The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.
25. For this procurement, Public Procurement (preference to make in India), order 2017, Dt:- 15.07.17, 28.05.18 & 29.05.19 and subsequent orders issued by the respective nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT. In the event of any nodal ministry prescribing higher or lower percentage of purchase preference and / or local content in respect of this procurement, same shall be applicable. Vendors are requested to go through the above mentioned orders and confirm the following:
 "The local supplier at the time of tender, bidding, solicitation, shall be required to provide self-certification that the item offered meets the minimum local content as per above mentioned orders and shall give details of location(s) at which the local value addition is made."
 Further, for implementation of make in India guidelines & circulars, please note the following: -
 - i) Minimum Local content for this package is 67%.
 - ii) Nature of Package is "Not divisible".
 - iii) Margin of Purchase Preference shall be 20%.
 - iv) Procedure for preference to Make In India shall be as per clause No.-3-c of Public Procurement (preference to make in India), order 2017, Dt: - 15.07.17, 28.05.18, 29.05.19 & subsequent order/amendment if any.

[Handwritten Signature]

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Note: -Bidders to submit **Certification regarding local content** as per format (Annexure-II of NIT) alongwith their offer.

26. Digital Signature: Bidders participating in subject tender will necessarily have to buy class III DSCs (Digital Signature Certificate) issued by the certifying authorities in India. Basic procedure /checklist is uploaded on www.bhel.com for participating in future tender enquires through e procurement.
27. MSME/Start-up Vendors to submit applicable documents along with their offers for availing the benefits as per GOI guidelines. Further BHEL-PEM is already registered with RXIL(TReDS) Platform. Bidders are requested to get registered with RXIL(TReDS) Platform to avail the facility as per GOI guidelines"
28. "This item/Package/System falls under the list of items defined in Para 3 of Ministry of Finance guideline dated 20.09.2016 (procurement of items related to public safety, health, critical security, operations and equipment etc) & hence criteria of prior experience/ turnover shall be same for all the bidders including start-up/ MSME."
29. Bidders to ensure that Third party/Customer issued certificates being submitted as proof of PQR qualification should have verifiable details of document/certificate issuing authority such as name & designation of issuing Authority, its organization contact number and E-mail Id etc. In case the same is found not available, Purchaser has the right to reject such document from evaluation.
30. Percentage of freight quoted by techno commercial accepted bidders in subject tender shall be used to calculate freight factor at the time of reverse auction /price bid opening for evaluation purpose. (Bids with freight quoted as NIL/ Inclusive/NA shall be excluded in calculation of avg freight)
31. Please note that for technical bid, detailed offers are to be submitted including the following along with the Price schedule as per BHEL format enclosed with NIT: -
- Acceptance of GCC, Rev.07.
 - Acceptance of Special Conditions of Contract (SCC Rev01).
 - Along with your offer, please submit a copy of this letter duly signed & stamped on each page as token of acceptance of all terms & instructions conveyed.
 - Technical & commercial deviations, if any alongwith cost of withdrawal-To be filled in a Deviation sheet (COST OF WITHDRAWAL) format provided in E-procurement portal in bidding form only.
 - Un-Priced price schedule (format) duly filled mentioning 'Quoted' or 'Q' in each column/row, wherein actual price has been quoted.
 - Technical PQR documents
 - Certification of Local Content as per format (Annexure-II of NIT)
- Thanking You.
Yours faithfully,
For and on behalf of BHEL

RAHUL BHATNAGAR
(DY. MGR/PG-III/BHEL-PEM)
- Enclosures:**
1. Technical Specification No. **PE-TS-426-302-E001-R0**
 2. SCC Rev 01 for **1 X 660 MW PANKI TPS.**
 3. Price Schedule for reference
 4. Annexure-I of Delivery Terms
 5. GCC Rev07 (available with www.bhelpem.com)
 6. Technical PQR
 7. Customer Specific PQR for approval from End Customer (UPRVUNL)
 8. Annexure-II for **Certification regarding local content**

[illegible]

Letter head of Company (<Rs. 10 Cr value)

Ref..... Date.....

To,

Bharat Heavy Electricals Limited
PEM, PPEI Building, Plot No 25,
Sector -16A, Noida (U.P)-201301

Subject: - Certification regarding local content

Reference: Tender Enquiry No-.....

Name of Package:

Dear Sir,

We hereby certify that items offered by us of(package name).....for.....(Project Name/Rate contract)..... meets the requirement of minimum local content in line with Cl. No..... of NIT No..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018 & 29.05.2019.

We further confirms that details of location at which the local value addition is made will be our registered works at(address of the works)

Yours very truly
..... (authorized signatory of company)
..... (firm name)

authorized signatory
of company

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/ VENDOR WORKS IN PRESENCE OF CLIENT/ EMPLOYER'S REPRESENTATIVE AND VENDOR TO SUBMIT THE REPORTS TO THE AUTHORITY.
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.).

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

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

Sr. No.	Item code	Item description	Unit	ORDERED QUANTITY	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.		

1X660 MW PANKI TPS
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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 QUANTITY	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.