



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 79 38
Fax : +91 431 252 07 19
Email : tvenkat@bheltry.co.in
Web : www.bhel.com

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2621000122	27.09.2010	27.10.2010

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

Please note that under any circumstances both **delayed offer** and **late offers** will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of **tender opening**.

Item	Description	Delivery Schedule	
		Quantity	Date
10	1250 KVA Enclosed Dry Type Cast Resin Outdoor Floor mounting type Transformer as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	4.00 No.	25.03.2011

Important points to be taken care during submission of offer

1. Checklist to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
2. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM/CE/GT/001) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2621000122".

Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

Sr. Manager / Capital Equipment / MM

Specification for 1250 KVA Enclosed Dry Type - Cast Resin Outdoor floor mounting type Transformer with ONLOAD tap changer ---Quantity 4 nos				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
0.0	Type of Transformer	Cast Resin, dry type		
1.0	KVA Rating	1250 KVA		
2.1	No load Voltage Ratio: Primary	11000 Volts		
2.2	Secondary	415 Volts		
3.0	Phase	3 Phase		
4.0	Frequency	50 HZ +/-3%		
5.0	Winding Type	Copper Double wound		
6.0	Cooling	Natural Air cooling		
7.0	Winding connection: Primary	Delta		
7.1	Secondary	Star		
8.0	Vector Group	Dyn11		
9.0	Temperature Rise Max	90 deg. Above ambient of 50 deg.		
10.0	Insulation	Class F or higher		
11.0	Terminal arrangement: Primary	Cable box		
11.1	Secondary	Flange type- Suitable for Bus duct termination		
12.0	Tappings	On load tapplings at HV side		
12.1	Tapping Range	+5% to -15 % in steps of 1.25 %		
12.2	RTCC panel	Indoor type		
13.0	Configuration	Outdoor floor mounting type		
14.0	Type of Enclosure and protection class	Vendor to specify		
15.0	Overall dimension in mm	Vendor to specify		
15.1	Weight of core & winding	Vendor to specify		
15.2	Total weight	Vendor to specify		
16.0	Impedance %	Vendor to specify		
17.0	No load losses in Watts	Vendor to specify		
17.1	Full Load loss in Watts	Vendor to specify		

18	Accessories to be provided in the Transformer			
18.1	Rating & diagram Plate-	Vendor to confirm		
18.2	Earthing Terminals-2 nos	Vendor to confirm		
18.3	Lifting lugs	Vendor to confirm		
18.4	Separate Neutral bushing	Vendor to confirm		
18.5	Bi-directional plain roller	Vendor to confirm		
18.6	Primary HT Bushing	Vendor to confirm		
18.7	Secondary LT bushing	Vendor to confirm		
18.8	On Load Tapp Changing Gear	Vendor to confirm		
18.9	Winding temperature indicator	Vendor to confirm		
18.9.1	Transformer protection relay(winding temp scanner) Model: TR: 7570 Version.01./Peacon	Vendor to confirm		
19	Operation and Maintenance manual-3sets	Vendor to confirm		
20	Make of Transformer: BHEL/Siemens/Areva /AmesImpex/Voltamp/RaychamRPG/Crompton Greaves/ABB or any reputed make acceptable to BHEL	Vendor to specify		
21	Transformer to conform to IS: 2026-1977/2006& IS:11171/1985/2006	Vendor to specify		
22	Construction features of the transformer including the core, windings, insulation, standard/ optional accessories, tests to be furnished	Vendor to specify		
23	Routine test to be conducted as per IS2026 and original test certificate to be submitted along with supply of transformer	Vendor to specify		
24.0	Reference List/ Qualifying Condition:			
24.1	Only those vendors who have supplied similar or higher capacity Transformer and working satisfactorily for at least one year after commissioning should quote.	Vendor to specify		
24.2	Information about the companies where similar equipments have been supplied, certificate about satisfactory performance are to be submitted for qualification of the offer.	Vendor to specify		
24.3	Vendors should have successfully conducted Type test as per IS on a transformer of same or higher capacity & voltage class in an approved Test Lab like CPRI/DRDA and copy of the test certificate to be submitted with the offer	Vendor to specify		
24.4	Vendor should possess facilities at the manufacturing works to conduct Routine Test as per IS on the transformer	Vendor to specify		