

BID DOCUMENT
FOR

Supply of 500KVA,11/0.44 KV Aluminium wound transformer

At

National Law University, JODHPUR

Total Number of pages: - 20(Twenty)

S.no	Particulars	Details
1	Name of the firm	
2	Complete address	
3	Email ID OF FIRM for correspondence	
4	Mobile Number	
5	Authorized signatory	
6	Permanent account number (PAN)	

Check List of Documents:-

S.No	Particulars
1	Filled in bid document duly signed and stamped at the bottom of each page.
2	Technical bid in Annexure B in sealed cover super scribed as “Technical Bid” with all required parameters mentioned in page No. 11 to 17,AnnexureA,and D
3	Price bid in Annexure C in separate sealed cover super scribed as “Financial Bid”
4	Declaration in lieu of earnest money in Annexure “D”
5	Attested copy of the Income Tax PAN card of the company/ Firm
6	Copy of valid Registration of company/ firm
7	Copy of valid GST Registration of company/ firm
8	Notarised self certification for not being debarred/blacklisted as per Annexure”A”.

DETAILS OF TENDER CALL NOTICE

Sealed bids are invited for Supply of 500KVA,11/0.44 KV Aluminium wound transformer at National Law University, Jodhpur.

Sl.No	Item	Quantity
1	Supply of 500KVA,11/0.44 KV Aluminium wound transformer at National Law University, Jodhpur.	As mentioned in schedule

Bid document for the above work can be obtained from the office of Registrar NLU, Mandore Road, Jodhpur, Rajasthan on all working days in between 10.00 A.M. to 5.00 P.M.. The bid documents can also be downloaded from University's Website (www.nlujodhpur.ac.in/tenders.php).

Bids will be received up to 3.00P.M. of 21/10/2021 and the technical bid will be opened on the same day at 3.30 P.M in presence of the bidders or their authorized representatives if any. Opening date and time of financial bid shall be communicated subsequently after assessing the suitability and eligibility of the bidders.

1. Scope of Work:-

1.1 Supply of 500KVA, 11/0.44 KV Aluminium wound transformer at National Law University, Jodhpur.

1.2 Successful bidder shall be required to supply the ordered items within 30(Thirty) days from the date of work order.

2. Eligibility Criteria

The bidding concern must fulfil all the following criteria for techno-commercial qualification of the tender.

2.1 The Bidder should be registered under Indian law as a business entity. (attach document)

2.2 The Bidder must have valid PAN, GST, and SSI or Udyog Adadhar number. (attach document)

2.3 The firm must not have been debarred / blacklisted by any Govt. Deptt, agency, PSUs / institution / agencies / autonomous organisations. The bidder shall submit a self certification by an authorized person duly notarized to this effect.(attach self declaration certificate duly notary attested) in the prescribed format attached as Annexue”A”.

3. INSTRUCTIONS TO BIDDERS

3.1 A Bidder can submit a single bid only.

3.2 Incomplete, telegraphic or conditional bids shall not be accepted.

3.3 The contractor /firm shall not be allowed to transfer, assign, pledge or sub-contract work order/supply order under this contract to any other agency.

3.4 Prices quoted must be firm and fixed. No price variation / escalation shall be allowed during process of completion of the project.

3.5 The bidders must sign at the bottom of each page of the bid documents at the time of submission in token of unconditional acceptance of the terms and conditions, technical specifications etc.

- 3.6 Valid GSTIN certificate / e-submission document duly self attested must be submitted along with the bid.
- 3.7 Deviations in terms and conditions, Specification of material, Inspection clause etc. will not be accepted under any condition.
- 3.8 Bids received late due to postal delay or otherwise **will not be considered**.
- 3.9 The bidders are required to furnish their offers in the price bid both in words & figures. In case of corrections ,if any, the original text/numerical must be clearly crossed out and re-written legibly above, below or on the side of the crossed out characters as per availability of space and the authorized person must put his dated initial under such corrections. In case of any conflict between figures and words, the lower rate shall prevail.
- 3.10 **Since timely execution of works is of paramount importance, requests for extension of time shall not be entertained.**
- 3.11 Canvassing in any manner shall not be entertained and will be viewed seriously leading to rejection of the bid.
- 3.12 University reserves its right to modify the bid document/details by way of amendment.
- 3.13 Bids will be accepted & will be opened as per information mentioned in the notice-inviting tender. No receipt against submission of bid shall be issued by NLU, Jodhpur.
- 3.14 The last date of receipt of the bid is 21/10/2021 upto 3.00 P.M. Sealed tenders may only dropped in the specified tender box kept in the **Office of Registrar**, NLU Jodhpur during office hours on working days. Bids received after due date & time will not be considered. If due to any reason the due date is declared as a holiday the bid will be opened on next working day at the same time.
- 3.15 The technical bid shall be opened on 21/10/2021 at 3.30 P.M. in the office of Registrar, NLU Jodhpur, in presence of such bidders or their authorized representatives, who are present at the time of opening.

(The bid document should be submitted in two parts as detailed below:

3.15.1 Bids should be submitted in two separate sealed envelope as mentioned below & addressed to the Registrar, NLU Jodhpur, inside a sealed envelope super-scribed "Bid for supply of 500 KVA,11/0.44KV Aluminium wound transformer should contain Technical Bid as per Annexure – B prescribed Firm Registration certificate, declaration in lieu of Earnest Money, Technical Specification, GST Registration , Commercial terms & conditions, notarized undertaking as per ANNEXURE "A" ,other bid documents duly signed & sealed, It should be super-scribed with **Part-1 Technical Bid "**. All the papers of bid documents except the price bid duly signed should be submitted in the first envelope.

3.15.2 Second sealed envelope (part-II) should contain Price bid as per Annexure –C in a separate sealed envelope. It should be super-scribed with **"PART II Price Bid"**. Any condition in regard to financial aspects, payments, terms of rebate etc beyond the prescribed financial terms of NLU, Jodhpur will make the bid invalid. Therefore it is in the interest of the bidders not to write anything extra in the Price Bid in Annexure-C except price.

3.16 The procedure of opening of the bid shall be as under

3.18.1.First envelope **"PART-1 Technical Bid"** shall be opened at the time & date mentioned in the bid notice by NLU, Jodhpur representative in the presence of bidders, who choose to be present.

3.18.2 Second envelope (part-II) containing Price bid shall be opened after evaluation of technical-commercial suitability of the offer by assessing responsiveness in line with the requirements mentioned in the bid document. The time for opening of second envelope (Price bid) shall be informed separately after assessing and evaluation of technical bid. Second envelope of price bid only those bidders shall be opened who qualify in the technical bid. If necessary, the firms may be called for Technical Presentation of their product as per the time intimated by NLU, Jodhpur.

- 3.17 **Successful bidder shall be calculated on the basis of total cost of all items as mentioned in technical & financial bid.**
- 3.18 In case of supply of any defective material or substandard material, the materials will be rejected & it will be the responsibility of the supplier for taking back & replacing the rejected materials at their own cost. In case of non-lifting of such rejected materials within a reasonable time offered by the office it will have the right to suitably dispose off the same and forfeit the amount.
- 3.19 The supplied materials should strictly comply with the specifications as mentioned in the bid, otherwise the material would be liable for rejection.
- 3.20 Any clarification on the technical specification and commercial terms and conditions may be clarified in writing from NLU, Jodhpur
- 3.21 Deviation of any commercial terms and condition and technical specification shall not be entertained under no circumstances.
- 3.22 **Bidders may in their own interest visit the sites and undertake site visit before submitting bids. NLU, Jodhpur will not be responsible for any incidental or consequential losses of the firms while execution and till expiry of the period of maintenance.**
- 3.23 The contractor shall abide by all laws, rules and regulations framed there under or any other statutory obligations which are in force from time to time. The contractor/firm shall indemnify the Institute from any claims in this regards.
- 3.24 Any losses sustained by Institute due to negligence of contractor's service in the form of loss/damage of property, will be recoverable from the contractor, as the money value shall be estimated by the Institute. The decision of the institute in this regard will be final and binding on the contractor/firm.
- 3.25 The Contractor/firm will adopt all safety measures /precautions while executing the work/supply. In case of any accident /causality of any personnel, involved in work/supply the complete responsibility will be borne by the

contractor/firm himself and University will not be held responsible for any claim/compensation.

3.26 University may take clarification from bidder and may take appropriate decision accordingly. The decision of University shall be final and binding to all.

3.27 NLU, Jodhpur does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected

3.28 The NLU, Jodhpur reserves its right to reject/accept any or reject all tenders at any time without assigning any reason thereof. It shall be without any liability towards the bidder.

4. COMMERCIAL TERMS & CONDITIONS:

4.1 Security Deposit:

4.1.1 The successful bidder must deposit the Security amount @ 03%(Three percent) of the ordered value with the Registrar, NLU, Jodhpur within the time frame provided in letter for depositing of security in shape of DEMAND DRAFT OR irrevocable Bank Guarantees of equivalent amount for a period of one year.

4.1.2 The security deposit would be forfeited, if the firm/contractor denies to execute the work or supply the ordered items as the case may be.

4.1.3 The security deposit would be forfeited, if the supplies are not made or work not done as per the Terms & Conditions of the purchase order/bid document.

4.1.4 The security deposit amount will be refunded after the period of one year without any interest.

4.2 Payment:

4.2.1 Payment will be made after satisfactorily completion of work as per specifications after submitting of bill by firm.

4.2.2 In case supply /work is not found as per specifications of the University, whole supply/work shall be rejected and there shall not be any liability towards University for any reason.

4.3 PENALTY CLAUSE:-

In case of delay in supply/execution of work without prejudice to the right to reject the bid, penalty should be imposed as decided by the competent authority.

However, if there is any hindrance/barrier in execution of work from University side, then relaxation will be granted without penalty as deemed fit.

5. Settlement of Dispute:

All disputes pertaining to the work contract is limited to the jurisdiction of the courts at Jodhpur District, Rajasthan

ACCEPTANCE

I/We have carefully read and understood the above terms and conditions of the bid and agree to abide by them.

Signature of the bidder with seal

**DECLARATION REGARDING BLACKLISTING/DEBARRING FOR
TAKING PART IN TENDER**

(To be executed & attested by Public Notary/executive Magistrate on Rs 50/-non judicial stamp paper by the Tendered]

1. I/We _____ of M/s _____
hereby declare that our company _____ having
registered _____ address _____ at _____
_____ has never been ‘Blacklisted/debarred by any State/Central
Govt,Department/Organization till date nor we are facing/filed any Litigation proceeding
regarding debarring (blacklisting) with either of the above said agencies.

OR

1. I/We _____ of M/s _____
hereby declare that our company _____ having
registered address at _____
_____ was blacklisted or debarred by State/ Central Govt,Department/Organization from
taking part in tenders for a period of _____ years wef _____ to
_____.the period is over on _____ and now the
firm /company is entitled to take part in tenders.

2. In case of above information found false, I/we are fully aware that the tender/contract will be rejected/cancelled by National Law University, Jodhpur, and EMD/Security deposit shall be forfeited.

3. In addition to the above National Law University, Jodhpur will not be responsible to pay the bills for any completed /partially completed work/supply.

DEPONENT

ATTESTED:
(Public Notary/executive Magistrate)

NAME:- _____
Address: _____

Annexure”B”**TECHNICAL SPECIFICATION & BID**

S.no	Item	Qty
1	SUPPLY OF 500 KVA ,11/0.433 KV,3 PHASE,ENERGY EFFICIENCY LEVEL-2,STAR-1,ALUMINIUM WOUND, DISTRIBUTION TRANSFORMER AT NLUJ CAMPUS BY ELIGIBLE BIDDER HAVING TECHNICAL SPECIFICATIONS AS ATTACHED AT PAGE NO 12 TO 17	01 (One)
2	LESS AMOUNT BUY BACK OF OLD INDOOR TYPE TRANSFORMER OF FOLLOWING DETAIL CAPACITY:- 630 KVA MAKE:- CROMPTON GREAVES YEAR OF MANUFACTIRE:- 2009 TOTAL WEIGHT- 1900 KGS. WEIGHT OF COPPER WINDING & WEIGHT OF LAMINATION CORE IS 800 KGS. WEIGHT OF OIL – 420 LTRS(FILLED TOP UP)	01 (One)

Signature of the bidder with seal

TECHNICAL SPECIFICATION FOR SUPPLY OF 11/0.433 KV, 500 KVA RATING OUTDOOR TYPE (ALUMINIUM WOUND) DISTRIBUTION TRANSFORMERS

S.NO	DESCRIPTION	CONSENT YES OR NO																																													
1	<p><u>PRINCIPAL PARAMETERS:</u> The Transformers shall be suitable for outdoor installation with three phase 50 Hz 11 KV system in which the neutral is effectively earthed and should be suitable for outdoor service as step down transformers under fluctuations in supply voltage upto plus 10% to minus (-) 15% permissible under Indian Electricity Act and rules there under.</p> <p>The transformer shall confirm to the following specific parameters:</p> <table border="0"> <tr> <td>i)</td> <td>Continuous rated capacity</td> <td>: 500 KVA</td> </tr> <tr> <td>ii)</td> <td>System Voltage (Max.)</td> <td>: 12 KV</td> </tr> <tr> <td>iii)</td> <td>Rated HT voltage</td> <td>: 11 KV</td> </tr> <tr> <td>iv)</td> <td>Rated LT voltage</td> <td>: 433 V (P-P)/250 V (P-N)</td> </tr> <tr> <td></td> <td>Line current HV</td> <td>: 26.25 A</td> </tr> <tr> <td></td> <td>Line Current LV</td> <td>: 666.70 A</td> </tr> <tr> <td>v)</td> <td>Frequency</td> <td>: 50 Hz</td> </tr> <tr> <td>vi)</td> <td>No. pf phases</td> <td>: THREE</td> </tr> <tr> <td>vii)</td> <td>Primary connection (HT)</td> <td>: DELTA</td> </tr> <tr> <td>viii)</td> <td>Secondary connection (LT)</td> <td>: STAR</td> </tr> <tr> <td>ix)</td> <td>Vector Group</td> <td>: Dyn-11</td> </tr> <tr> <td>x)</td> <td>Percentage impedance at 75°C</td> <td>: 5.0%</td> </tr> <tr> <td>xi)</td> <td>Taps (off circuits)</td> <td>:TAPS ARE NOT REQUIRED.</td> </tr> <tr> <td>xii)</td> <td>Type of cooling</td> <td>: ON AN</td> </tr> <tr> <td>xiii)</td> <td>Fault level of the system</td> <td>: 750 MVA</td> </tr> </table> <p>Primary winding shall be DELTA connected and the secondary winding shall be STAR connected (vector symbol Dyn-11), so as to produce a positive displacement of 30° from the primary to the secondary vectors of the same phase. The neutral of the secondary winding shall be brought out to a separate insulated terminal. The transformers shall be ALUMINIUM Wound.</p> <p>The transformers shall be designed and constructed to withstand without damage the thermal and dynamic stresses of an external short circuit. The manufacturer / supplier shall furnish all relevant design data and calculations in support of having fulfilled this requirement as stipulated in IS:2026 (Part-I)</p>	i)	Continuous rated capacity	: 500 KVA	ii)	System Voltage (Max.)	: 12 KV	iii)	Rated HT voltage	: 11 KV	iv)	Rated LT voltage	: 433 V (P-P)/250 V (P-N)		Line current HV	: 26.25 A		Line Current LV	: 666.70 A	v)	Frequency	: 50 Hz	vi)	No. pf phases	: THREE	vii)	Primary connection (HT)	: DELTA	viii)	Secondary connection (LT)	: STAR	ix)	Vector Group	: Dyn-11	x)	Percentage impedance at 75°C	: 5.0%	xi)	Taps (off circuits)	:TAPS ARE NOT REQUIRED.	xii)	Type of cooling	: ON AN	xiii)	Fault level of the system	: 750 MVA	
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2	<p align="center"><u>NO LOAD VOLATGE RATIO</u></p> <p>The No load voltage ratio(s) shall be 11000/ 433 Volts.</p>																																														

<p>3</p>	<p><u>THE LOSSES:</u> The total Losses at 50% and 100% loading (at rated voltage and frequency and at 75 deg. C.) shall not exceed the value given below:</p> <table border="1" data-bbox="370 289 1230 562"> <thead> <tr> <th>RATING (KVA)</th> <th>MAX. LOSSES AT 50% LOADING (WATTS)</th> <th>MAX. LOSSES AT 100% LOADING (WATTS)</th> </tr> </thead> <tbody> <tr> <td>500</td> <td>1510</td> <td>4300</td> </tr> </tbody> </table> <p>The above specified loss values are maximum guaranteed as per ENERGY EFFICIENCY LEVEL-2 without any positive tolerance. In case the actual loss values exceed the above guaranteed values, the transformers shall be rejected at the risk, cost and responsibility of the supplier.</p>	RATING (KVA)	MAX. LOSSES AT 50% LOADING (WATTS)	MAX. LOSSES AT 100% LOADING (WATTS)	500	1510	4300			
RATING (KVA)	MAX. LOSSES AT 50% LOADING (WATTS)	MAX. LOSSES AT 100% LOADING (WATTS)								
500	1510	4300								
<p>4</p>	<p><u>TEMPERATURE RISE:</u> Each transformer shall be capable of operating continuously at its normal rating without exceeding following temperature rise</p> <p>i) 40 Deg. C in oil by thermometer. ii) 45 Deg. C in winding by resistance</p>									
<p>5</p>	<p><u>IMPEDANCE:</u></p> <p>(i) The percentage impedance at rated current at 75°C shall be as under:</p> <table border="1" data-bbox="358 1083 1242 1293"> <thead> <tr> <th>S. No</th> <th>RATING</th> <th>percentage impedance at 75°C</th> <th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500 KVA</td> <td>4.5%</td> <td>(+/-) 10%</td> </tr> </tbody> </table> <p>(ii) The transformer losses will be checked and verified by the Jodhpur Discom central testing laboratory (CTL) in the presence of NLU representative. Testing cost will be borne by the firm.</p> <p>(iii) The transformer will be charged at NLUJ Campus in the presence of firm representative .</p>	S. No	RATING	percentage impedance at 75°C	Tolerance	1	500 KVA	4.5%	(+/-) 10%	
S. No	RATING	percentage impedance at 75°C	Tolerance							
1	500 KVA	4.5%	(+/-) 10%							
<p>6</p>	<p><u>TAPPINGS:</u> No taps are to be provided in these transformers.</p>									
<p>7</p>	<p><u>FREQUENCY:</u> Transformers shall be designed for normal frequency of 50 Hz, but shall be capable of giving the rated output with the variation of plus/minus (+/-) 5% from the rated frequency.</p>									

8

WINDING AND INSULATION:

i) MATERIALS:

Super Enamelled/ Double paper covered copper conductors shall be used for 11 KV class transformers of 500 KVA rating. **The covering shall be conformed to applicable ISS.**

ii) CONSTRUCTION:

The High-tension windings shall be concentric with the Low-tension windings. The Arrangement of the windings shall be robust in electrical and mechanical construction and shall permit free circulation of oil and avoid hot spots. The LT conductor shall be rectangular in shape. Two layer of electrical grade insulation craft paper of 2 mil thickness or one layer of min. 4 mil thickness shall be used for interlayer insulation both for HV and LV Coils. Insulation cylinder made from electric grade pre-compressed board(s) having minimum total thickness of 1.5 mm shall be used between HV and LV windings. Alternatively 20 mil pressphan paper making thickness of the cylinder 1.5 mm having similar electrical properties may also be used.

For phase barrier, 2 Nos. of 1 mm thick press board shall be used for covering the tie rods. Besides, tie rods shall be covered by SRBP tubes of suitable size.

2 mm press board shall be used for base support insulation and core clamping channel insulation.

For bottom and top yoke insulation, only PC Board of min. 2 mm thickness will be used.

Also, vertical spacers between HV and LV coils and radial spacers (tickleys)/ blocks etc. shall be of PC Board only.

Top layer of all HV coil shall be given one coat of air drying insulation varnish.

A tolerance of up to plus minus 1% shall be permissible on ID and OD and axial length of HV and LV coils. However, the above tolerances are subject to maintaining the min. required clearances. The material and thickness of various insulation provided for phase barrier, foot plate insulation, yoke insulation and core clamp insulation shall be clearly indicated in the drawing and in any case shall not be inferior to those used in type tested transformers.

Min. number of coils on HV side shall be 6 (six) per phase for each rating transformers. Dovetailed shaped radial spacers shall be placed between HV coil sections, suitably – locked with vertical spacers around the circumference of the coils. **The number of such spacers shall be minimum 8(Eight).**

Current Density

The current density for HV and LV conductor shall not exceed the value given hereunder:

Rating	Current density in Amp/mm .sq.	
	HV winding	LV winding
500 KVA	2.8	2.8

iii) INSULATION MATERIAL:

Electrical grade insulating Kraft paper of only Triveni / Ballarpur / Padamjee shall be used. Press Board used shall be of senapathy whitely / Raman make. Perma wood or haldu wood blocks shall be used for Top and Bottom yoke insulation.

iv) CONNECTIONS AND TERMINATIONS:

A) **HV Winding:** The following method shall be adopted for taking out HV connections:-

a) The coil series connections shall be made by soldering / brazing only, after completely removing the insulation from the ends.

Starting and finishing leads of HT coils shall be covered with empire sleeve(s) of proper size. These leads should be clamped with the body of the winding with the help of cotton twine during manufacture of the coils.

c) All delta leads from the HT coils as well as HT line leads shall be taken out through **multiple paper covered** (MPC) copper wires of sufficient cross section area to impart the desired mechanical strength. The current density in HV lead wire shall not exceed **0.8 A/mm²**. These lead wires shall be provided with multi layer paper insulation of minimum 1.0 mm thickness i.e. minimum increase in diameter due to paper insulation shall not be less than 2 mm. The layer of glass sleeves/ glass tape shall also be provided on the delta MPC wire and it should be further covered with minimum 12 mm dia. SRBP tube. The MPC should also be varnish dipped. The SRBP tube shall be extended in such a way that it is entered upto 50% of bushing height.

d) All the above leads shall then be clamped tightly with cotton twine directly on to the special frame/bracket making "**Pie**" shape connection. This structure could be made up of Bakelite/ Permali wood/ laminated PC board flats, having minimum size of 25x6.0 mm.

	<p>Line leads leading to the HV bushing terminals shall be directly clamped to the horizontal support bar of the “Pie” structure so that any tension which may develop in the HT leads due to jerks or at the time of making the connection, is not passed to the HT coils.</p> <p>e) Delta joint and lead from delta joint to bushing rod shall be made by brazing only.</p> <p>B) LV Winding:</p> <p>a) The LV connection shall be taken out by cut on the top yoke channel duly reinforced to compensate for the mechanical strength.</p> <p>b) The layers in LV Coil may be either even or odd in numbers but minimum layers shall be two.</p> <p>c) LV star point shall be formed of copper flat of sufficient strength. Leads from winding shall be connected to the flat by brazing.</p> <p>d) Firm connection of LV winding to bushing shall be made of adequate size of “ L shape flat”. Connection of LV coils to L shape flat shall be by brazing only.</p> <p>e) “L” shape Flat shall be clamped to LV Bushing metal part(s) by using nut, lock nut and washer.</p> <p>f) Neutral of the Secondary winding (LV) shall be brought out to a separate insula bushing.</p> <p>g) For Copper windings, silver brazing rods with suitable flux will be used.</p>	
<p>9</p>	<p>PAINTING & FINISHING:</p> <p>Steel surface shall be prepared by sand / shot blast or chemical cleaning including phospatting, as per IS 3618. Inside of tank Oil shall be painted with varnish or oil resistance paint. For external surface, one coat of thermo-setting powder paint or one coat of epoxy primer followed by 2 coat of polyurethane base paint of olive green colour confirming to shade No. 220 of IS: 5-1961 to be applied in order to distinguish of star level transformers. Total Dry film thickness as per IS 1180 Part-1 2014</p>	
<p>10</p>	<p><u>TRANSFORMER OIL:</u></p> <p>The transformer shall be supplied complete with first filling of EHV Grade transformer oil, up to the normal oil level. The oil shall conform to IS: 335-1993 (latest amended) and should be ISI Marked and having the specified aging characteristics.</p> <p>The Break Down Voltage Value of the fresh oil after filtration and before filling in the transformer should be above 60 KV and after filling in the transformer it should be above 40 KV.</p> <p>The make of Transformer Oil shall be either APAR/SAVITA/ RAJ LUBRICANTS/ ANAMIKA/SHARAVATI/ MADRAS PETRO/ RAJ PETROL/ LUBRICHEM, MUMBAI/ OPANAMA PETROCHEM,</p>	

	<p>ANKELSHWAR/ TASHKENT OIL, VADODARA/ COLUMBIA. The transformer oil sample taken from the transformer shall be subject to testing as per provisions of IS:1866.</p> <p>The oil manufacturer’s test certificate shall be made available at the time of inspection to the inspecting officer.</p>	
<p>11</p>	<p><u>GUARANTEE PERIOD:</u></p> <p>I. Performance guarantee of the transformer(s) with LT protection unit shall be for the period of 24 (Twenty Four) months from the date of installation. The date of expiry of guarantee period shall be marked on the rating plate. Transformer(s) alongwith LT protection unit failed within such guarantee period shall have to be replaced free of cost expeditiously. The Manufacturer may use Core and Transformer Tank of the GP failed Distribution Transformer. All other materials shall be replaced by new materials such as Transformer Oil, HV & LV Windings, Metal Parts and Fittings & Accessories, etc. The Testing Procedure of such replaced Distribution Transformer including Physical Verification shall be same as per Testing of New Distribution Transformer at Firm’s Works as well as at CTL without any tolerance in the losses at 50% and 100% loading.</p> <p>i) The firm will replace GP failed Distribution Transformer without asking any segregation on account of manufacturing defect.</p>	

Annexure”C”

FINANCIAL BID

S. no	Item	Qty	Price per unit	Total Amount	
				In Figures	In Words
1	SUPPLY OF 500 KVA ,11/0.433 KV,3 PHASE,ENERGY EFFICIENCY LEVEL-2,STAR-1,ALUMINIUM WOUND, DISTRIBUTION TRANSFORMER AT NLUJ CAMPUS BY ELIGIBLE BIDDER HAVING TECHNICAL SPECIFICATIONS AS ATTACHED AT PAGE NO 12 to 17	01 (One)			
2	LESS AMOUNT BUY BACK OF OLD INDOOR TYPE TRANSFORMER OF FOLLOWING DETAIL CAPACITY:- 630 KVA MAKE:- CROMPTON GREAVES YEAR OF MANUFACTURE:- 2009 TOTAL WEIGHT- 1900 KGS. WEIGHT OF COPPER WINDING & WEIGHT OF LAMINATION CORE IS 800 KGS. WEIGHT OF OIL – 420 LTRS(FILLED TOP UP)	01 (One)			
			Net Amount		
			Taxif any		
			G.Total		

Signature of the bidder with seal

FORM FOR BID –SECURING DECLARATION

Date:

Bid No.

Alternative No.

To:

.....

We, the undersigned, declare that:

We understand that, according to your conditions, bid must be supported by a Bid Securing Declaration.

We accept that we are required to pay the bid security amount specified in the terms and conditions of the bid, in the following cases, namely:-

- (a) when we withdraw or modify our bid after opening of bids.
- (b) when we do not execute the agreement, if any, after placement of supply /work order within the specified period.
- (c) when we fail to commence the supply of goods or services or execute work as per supply/work order within the specified period.
- (d) When we do not deposit the performance security within specified period after the supply/work order is placed: and

In addition to above, the University shall debar us from participating in any procurement process undertaken for a period not exceeding three years in case where the entire bid security or any part thereof is required to be forfeited by procuring entity.

We understand this Bid securing declaration shall expire if :-

- (i) we are not the successful bidder;
- (ii) the execution of agreement for procurement and performance security is furnished by us in case we are successful bidder.
- (iii) thirty days after the expiration of our bid.
- (iv) the cancellation of the procurement process; or

(v)the withdrawal of the bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

Signed.....

Name

In the capacity of

Duly authorized to sign the bid for and on behalf of :

Dated on day of

Corporate seal.....

[Note: In case of a Joint venture, the bid securing declaration must be signed in name of all partners of the Joint venture that is submitting the bid.]