



NATIONAL LAW SCHOOL OF INDIA UNIVERSITY

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26.11.2024

Request for Proposal

The National Law School of India, Bangalore ("NLSIU") is a University established under the National Law School of India Act, 1986, imparting legal education. Email quotations for "**Transformer Yard Rectification & RMU replacement Work**" are hereby invited from eligible contractors by the undersigned, subject to the terms and conditions enumerated hereunder.

Description of Work	"Transformer Yard Rectification & RMU replacement Work"
Date of Issue of Quotation	26.11.2024
Last Date for Submission	Up to 5.00 PM on 03.12.2024

Terms and Conditions:

1. The intending Bidder shall submit the quotes for the enclosed BOQ and RMU requirement and technical specifications along with earthing pit work. (Annexure 1 and Annexure 2).
2. Physical copies of the quotations should be submitted on 03.12.2024 before 5.00 PM.
3. Interested Bidders can make a visit to the site and take a detailed survey as per the requirements mentioned and submit the quote accordingly.
4. The Bidders should submit a detailed proposal on the various options available for the specifications mentioned in Annexure 1. University may ask for meetings with the Bidders to seek clarifications on their proposals.
5. You shall provide a Minimum Warranty of 5 years for the items supplied.
6. The quotations received after the due date will not be entertained.
7. Rates quoted by the bidders shall be inclusive of all applicable taxes, excluding GST. Income Tax and all other statutory deductions, as applicable, will be deducted from the payments made as per prevailing rules.
8. The GST Registration number and PAN number of the Bidder must be mentioned in the quotation.
9. In case the bidder desires to clarify any issue of the RFP before submitting the proposal, you may contact **Mr. Rajesh Kumar Behera, Manager Finance and Procurement, National Law School of India University; Phone- 080 26993785; email :- rajesh.behera@nls.ac.in**
10. The Rate quoted shall be firm and fixed till completion of the entire work & shall not attract any escalation under any circumstances whatsoever.

11. The University shall not bind itself to accept the lowest quoted rate. The University shall accept the quotation that is in the best interests of the University, as determined by the University authorities. The University reserves the right to not accept any of the Quotations submitted during this process.
12. **Pre-qualification criteria:**

Interested bidders must meet all the qualifications as provided below and submit the supporting documents along with their Quotation.

 - a. The bidder shall provide two client references with PO and Tax Invoice for completing similar work in the current financial year.
 - b. The bidder shall have been in the same business for at least 3 years for which the bidder is required to submit a self-declaration.
13. Any damage to NLSIU property will be made good at Selected Bidder's risk and cost.
14. NLSIU will not be held responsible for payment of any compensation to the labourers engaged by selected Bidder. Selected Bidder will pay all compensations including accident compensations due to its labourers.
15. The selected Bidder shall follow all safety rules and security procedures that are in force and applicable during execution of work.
16. Selected Bidder shall comply with applicable provisions of all acts, statutes, rules and regulations of Central & State Governments, as the case may be.
17. **Date of Delivery:** All items ordered should be delivered and installed within 10 days of issuing the purchase order by NLSIU or any other delivery schedule mutually agreed by both the parties.
18. **Payment terms** for the work shall be as per the following milestones –
 - (i) 100% upon supply and installation
19. Bidders are subjected to be disqualified, even though they meet the qualifying criteria if they:
 - a. Provide misleading or false information in the request, statements and attachments submitted in proof of qualification requirement including withholding information.
 - b. Have a record of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in competition, litigation history or financial failures, requesting claims not admissible under the contract conditions etc.
20. The University retains the discretion to relax any of the conditions mentioned in this Request for Proposal and enhance the shortlisting criteria during scrutiny of Quotations.
21. University reserves the right to cancel this enquiry at any time without assigning any reason.
22. The terms and conditions stipulated in this Request for Proposal are binding on the Bidder.



Registrar-in-charge

Annexure-1

BOQ- RMU Installation (Near Zero Gate)

BOQ- RMU Installation (Near Zero Gate Transformer Yard)

Sl.No	Description	Qty	Unit Rate	Amount in Rs
1.	Dismantling charges for Existing RMU, removing of cables and Earth strips.	1 Job		
2.	Transportation, unloading & Installation charges for new RMU and also removing the existing RMU to the location the NLSIU technical staff wants to be placed. Should Include crane services for lifting and positioning of both the RMU's to the location directed.	1 Job		
3.	BESCOM liasoning charges for getting Line clearance and for department formalities while installing the RMU.	1 Job		
4.	HT Heat shrinkable termination Kit- supply and termination charges (Pot Head) complete with connecting existing Earthing strips to the RMU. (Should Include Material supply and labour charges)	3 No's		
	THE EXISTING HT CABLES WOULD BE SURVEYED AND WOULD BE REPLACED ON AS REQUIRED BASIS. THE SAME IS BEING CATERED FOR AS FOLLOWS AND IS BEING COSTED IN THE PRESENT BOQ. IF NOT USED THE SAME WOULD BE NOT INCLUDED IN THE FINAL BILL			
5	HT Straight through Joint Kit for 240 Sqmm HT- 3 Core 11 KV cable.	1 No.		
6.	HT Straight through Joint Kit for 95 Sqmm HT -3 Core 11 KV cable.	2 No's		
7.	240 Sqmm HT 11 KV 3 Core-Cable Make- Polycab/Havells/Finolex or KEI	4 Mtrs		
8.	95 Sqmm HT 11 KV 3 Core-Cable Make- Polycab/Havells/Finolex or KEI	8 Mtrs		

NEW RMU requirement. (Near Zero Gate)

Sl. No	Description	Qty	Unit Rate- Rs	Amount (in Rs.)
1.	Supply of RMU with one Incoming and two outgoings .-630 Amps,11 KV. Make ABB	1		
			GST@ _-% Extra	
			Total Amount	

BOQ - Transformer Yard rectification work

Location: ZERO GATE

For 250 KVA Transformer Yard

Make Kirloskar, Sl.No FD/500/173 Year of Mfg: 2013.

SL No	Work Description Details	Unit	Qty	Unit Price in RS	Total Price in RS
1	Labor Charges for removing Green Vegetation at Transformer Yard. Including spraying of chemicals to prevent growth of vegetation in the transformer yard. Zero Gate and near Library	LS	1 Job		
2	For Zero Gate yard , charges for supply of 40mm thickness stone jelly at Transformer Yards.	Tractor Load	1 Load		
3	Charges for making new Earth pits with Materials including Civil Works. (For GI Pipe & GI Plate Earthing only) complete with digging, Earthing chamber and chamber cover. (WITH GI PLATE-BODY)- Pit 1 Feet by 1 Feet -8 No's near Zero Gate For more details -Refer Annexure No- 01	No	08		
4	Charges for making new Earth pits with Materials including Civil Works. (For GI	No.	3		

	<p>Pipe & Copper Plate Earthing only) complete with digging, Earthing chamber and chamber cover.</p> <p>(WITH COPPER PLATE-NEUTRAL)-Refer Annexure.</p> <p>Pit 1 Feet by 1 Feet - 3 No's near Zero Gate</p> <p>For more details -Refer Annexure No-01</p>				
5	Charges for Painting of 250 KVA Transformer-Near Zero Gate	No	1		
6	Charges for Painting of HT Cubicle-At Zero Gate	No	1		
	For Metering Panel & For RMU one leg- Concrete pedestal -civil works- concrete packing At Zero Gate-Broken presently. For, RMU-1 feet Width by Depth 3 Feet and Height 3 Feet.	1 Job	1		
8	Transformer yard fencing painting at Zero Gate	1 Job	1000		
9	Copper strips 25X 3 for Transformer Yard neutral earthing at Zero Gate	Mtr	10 Mtrs		
10	GI strips 40 X 6 for Transformer yard Body earthing at Zero Gate	Mtr	20 Mtrs		
11	Transportation charges for Compressor, men and material for painting purpose. At Zero gate & Near Library	Job	01 Job		
		Sub Total			
		GST@ __% Extra			
		Grand Total			

Location - Near Library.

250 KVA Transformer yard -

Make Prakash Electricals, Sl.No 0730504001 Year of Mfg: 2005.

SL No	Work Description Details	Unit	Qty	Unit Price in RS	Total Price in RS
1	Labor Charges for removing Green Vegetation at Transformer Yard. Including spraying of chemicals to prevent growth of vegetation in the transformer yard. Zero Gate and near Library	LS	1 Jobs		
2	For Zero Gate yard and Yard Near Library, charges for supply of 40mm thickness stone jelly at Transformer Yards.	Tractor Load	01 Load		
3	Charges for making new Earth pits with Materials including Civil Works. (For GI Pipe & GI Plate Earthing only) complete with digging, Earthing chamber and chamber cover. (WITH GI PLATE-BODY)- Pit 1 Feet by 1 Feet -8 No's near Library For more details -Refer Annexure No-01	No	05		
4	Charges for making new Earth pits with Materials including Civil Works. (For GI Pipe & Copper Plate Earthing only) complete with digging, Earthing chamber and chamber cover. (WITH COPPER PLATE-NEUTRAL)-Refer Annexure. Pit 1 Feet by 1 Feet - 3 No's near Library Transformer yard. For more details -Refer Annexure No-02	No.	03		
6	Charges for Painting of HT Cubicle-At Near Library.	No	1		

7	Charges for servicing and Painting of LT Kiosk-Near Library	No	1		
9	Transformer yard fencing painting at Zero Gate & at Library yard	1 Job	1000 sft		
10	Copper strips 25X 3 for Transformer Yard neutral earthing near library transformer yard.	Mtr	20 Mtrs		
11	GI strips 40 X 6 for Transformer yard Body earthing at Zero near library.	Mtr	30 Mtrs		
		Sub Total			
		GST@ _ _% Extra			
		Grand Total		Rs	

Annexure-2

RMU-Technical specifications

Make	ABB
11kv 630A 20 KA 3sec CVV NON-Extensible Outdoor Safe plus RMU	
Safe Plus compact switchgear	
Total number of modules 3 PIECES	
STANDARDS AND MECHANICAL DATA	
Metal Enclosed switchgear	IEC 62271-200
General Purpose switches	IEC 60265-1
Disconnectors and Earthing switches	IEC 62271-102
Switch Fuse Combination	IEC 62271-105
Circuit Breakers	IEC 62271-100
Common clauses	IEC 60694
Pressure of SF6 gas	1.4 bar at 20 °C
Cable bushings	DIN 47636
Temperature class	-25 °C - +40 °C outdoor
Degree of protection	
- SF6 tank	IP 67
- Fuse canisters	IP 67
- Front cover	IP 2X
- Cable cover	IP 3X
- Enclosure	IP 54
Busbars	240 mm ² Cu
Earth bar (external)	120 mm ² Cu - Bolt dimension: M10
Thickness of Stainless-Steel Tank	2.5 / 3.0 mm
Colours	
Front cover	RAL 7035
Side and cable cover	RAL 7035
Enclosure	IS 632
ELECTRICAL DATA - 12 KV - 28kV-1min	
Nominal voltage: 11 KV Rated frequency: 50 Hz Rated current busbars: 630 Amps Rated current cable switch disconnecter : 630 A Short time withstand current: - cable switch disconnecter with interface C (400-bolt) bushing: 20 kArms 3 sec. - vacuum circuit breaker with interface C (400-bolt) bushing: 20 k Arms 3 sec. Rated current for transformer T-off : 200 / 630 A	
Impulse withstand voltage : To earth and between phases: 75 KV Insulation level: - Power frequency 1 min: 28 K	

A01 C Load Break Switch

Safe Plus C is a cable switch module with a three-position load break switch and earthing switch, busbars, interlocking and earth bar.

1	SafePlus type C: Cable switch 12kV, 630A
1	Manometer
1	Cable cover standard with Interlocking
1	Cable bushings interface C (400 bolted), 630 A, standard
1	Capacitive voltage indication fixed type VPIS 9-15 kV
1	Aux. switch for load break switch position 2NO + 2NC
1	Cable support bars, standard for 1-way unit

A03 V Vacuum Circuit Breaker

Safe Plus V is a Vacuum circuit breaker module with vacuum circuit breaker, three position isolator/earthing switch, busbars, interlocking, earth bar and stored spring energy mechanism (A-mech.).

1	SafePlus type V: Vacuum circuit breaker 12kV, 630A
1	Bushings outside cone interface C for connection of external busbar
1	Stored energy mech. for motor operation
1	Control voltage, motor operation 24 V DC
1	Cable cover standard with Interlocking
1	Self Powered Over Current and Earth Fault protection relay type ADR141S
1	Capacitive voltage indication fixed type VPIS 9-15 kV
1	Cable bushings interface C (400 bolted), 630A
1	Aux. switch for vacuum circuit breaker position 2NO + 2NC
1	Cable support bars, standard for 1-way unit
3	Ring core current transformer type 100-50/1 A, 2.5VA, 5P10 for Protection

Operating handle should be Additional equipment to be delivered separately or mounted in respective panels

Earthing requirements for electrical equipment and related HT & LT Switch gear:

Location Zero gate.

Equipment	Neutral Numbers	Earthing-	Body Numbers	Earthing-
RMU			2 No's	
Transformer	2 No's		2 No's	
Metering Cubicle	1 No.		2 No's	
LT Distribution panel near security room.			2 No's-Earthing would be looped for both the LT panels in panel room.	
Zero Gate	Total 3 No's-Neutral		Total 8 No's-Body	

Location Transformer yard near Library.

Equipment	Neutral Numbers	Earthing-	Body Numbers	Earthing-
Transformer	2 No's		2 No's	
Load break Switch			1 No.	
LT Kiosk			1 No.	
AMF Panel	1 No.		1 No.	
At Library Transformer yard.	Total 3 No's-Neutral		Total 5 No's-Body	