



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर  
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)  
**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR**  
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

**CORRIGENDUM**

REF.: Tender No. NC-000017-PHY-17-18

The tender date for "Power Supply Module" is further extended as per the following.

1. Date & Time of Submission: 03.08.2017 (Up to 5:30 P.M.)
2. Date & Time of Opening: 04.08.2017 (At 2:30 P.M.)

All other Terms & Conditions of our Tender No. NC-000017-PHY-17-18 will remain same.

Stores & Purchase Officer



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भूवनेश्वर  
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR  
(An autonomous Institution under Department of Atomic Energy, Govt. of India)

**Stores & Purchase Department**

Tender Notice No.:- NC-000017-PHY-17-18-LTN-12

Tender Date:- 28/06/2017 / Date of opening of Quotation:- 20/07/2017

Sealed Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Bhubaneswar from the manufacturers (Indian or Foreign) and their authorized resellers/Indian agent only for supply and installation of the following item(s) :-

| Sl. No. | Name of Items   | Department        | Indent No.          | Quantity |
|---------|---|-------------------|---------------------|----------|
| 1       | <b>NIM crate</b><br>1) Mechanics : 19" x 5U bin, 12 slot, non ventilated<br>2) Mains input : 220 VAC, 50-60 Hz.<br>3) Output power : (600 W) 45A @ +/-6V, 8A @ +/-12V, 8A @ +/-24V<br>4) Protection : Over Voltage, Under Voltage, Over Current, Over Temperature   | Physical Sciences | NC-000017-PHY-17-18 | 1.0      |
| 2       | <b>NIM HV power supply module</b><br>1) Output ranges : 8 kV / 3 mA<br>2) Output channels : 4 channels, Common Floating Return, SHV connector, channels with individually selectable positive or negative Polarity<br>3) Voltage Resolution : 200 mV<br>4) Current Resolution : 50 nA<br>5) Packaging : Single width NIM unit<br>6) Graphic colour display, local and remote control (USB2.0/RS485/RS232) | Physical Sciences | NC-000017-PHY-17-18 | 1.0      |
| 3       | <b>VME HV power supply module</b><br>1) No. of output channels : 6  | Physical Sciences | NC-000017-PHY-17-18 | 1.0      |

|  |  |  |  |
|--|--|--|--|
| 2) Max voltage on each channel : 4 kV<br>3) Output connector type : SHV<br>5) Maximum current common to all channels:<br>3 mA<br>6) Current resolution : 50 nA<br>7) Voltage resolution : 100 mA<br>8) Packaging : 1 unit wide VME 6U module |  |  |  |
|--|--|--|--|

NB: PARTY REGISTERED WITH SSI/DGS&D/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYEE EMD.

EMD IN FORM OF DEMAND DRAFT SHOULD BE PREPARED IN FAVOUR OF "FINANCE OFFICER, NISER" AND PAYABLE AT BHUBANESWAR.

Detail Tender Document can also be downloaded from the NISER web-site address: [www.niser.ac.in](http://www.niser.ac.in) directly.

NISER reserves the right to accept or reject any or all the Tenders without assigning any reason.

for National Institute of Science Education and Research,  
Bhubaneswar

Mr. Deepak Srivastava  
(Store and Purchase Officer)

**PART - 1**  
**TERMS & CONDITIONS**  
**FOR SUPPLY AND INSTALLATION**  
**OF**  
**POWER SUPPLY MODULE**  
**FOR**  
**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI**

**PART - 1**  
**TERMS & CONDITIONS**

1. Sealed tenders are invited for supply and installation of POWER SUPPLY MODULE in the National Institute of Science Education and Research. The tender document consists of the following two parts.

**Part-1: "TERMS & CONDITIONS" & "TECHNICAL BID" of the tender.**

**Part-2: "FINANCIAL BID" of the tender.**

2. The bidder must attach the at least 03 Purchase Order copy for Supply & Installation of above equipments during the last 01 financial years in State Government or Govt. of India Department(s) /Reputed Organisation(s) (in Nos. and Value). Please attach a list of clients.
3. The bids submitted by the vendors should be valid for a minimum period of 90 days from the date of the opening of tender and the prices should be valid till execution of purchase agreement.
4. The sealed envelope containing "The Bid" on prescribed tender document of the NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH should reach the Stores & Purchase Officer, National Institute of Science Education and Research, JATNI on or before **19.07.2017 up to 3:30 P.M.** otherwise the tender will not be accepted.
5. The sealed envelope of the bidders shall be opened on **20.07.2017 at 2:30P.M.**
6. For further information/clarification in this respect, please contact Dr. Varchaswi K S Kashyap on e-mail [vkashyap@niser.ac.in](mailto:vkashyap@niser.ac.in). Only e-mail inquiries will be entertained.
7. The supply and installation of the above equipments shall be made by the vendor within 4 -6 weeks from the date of issue of the purchase order.
8. All the items to be supplied should be new, of good quality and standard and as per the technical specifications mentioned in technical bid document.
9. Discount: Any conditional discount will lead to the rejection of your tender.
10. The vendor will provide operational manuals, OEM documents for peripherals, set of diagnostics to test all the sub-systems etc. along with the systems.
11. The installation of above equipments will be at the National Institute of Science Education and Research, JATNI., Khurda, which is about 30 km away from Bhubaneswar on NH-5
13. The prices quoted in the technical/financial bid should be inclusive of power cables, interface cables, packing, forwarding, freight upto NISER, JATNI, transit insurance and installation charges at sites. Excise duty and trade tax if applicable should be quoted separately at the

appropriate columns provided for them in the technical/financial bid (NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH is exempted from Excise Duty). In case of import the NISER will arrange the clearance from Kolkata Airport. All the expenses, like Import duty, Entry tax, insurance will be added in your cost to calculate landed cost. (NISER is exempted from Custom Duty. The present rate is approx. 5.13%).

14. In case, excise duty and/or trade tax/sales tax are reduced or increased subsequently by the Government at the time of placement of the purchase order or delivery, then the same will be adjusted by either party on production of requisite proof.

15. Payment for the items to be supplied by the vendor against the purchase order shall be made by NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH as follows:-

100% payment will be made within 45 days after successful installation and submission of all original documents (including delivery challan, warranty certificate, installation report)

**The tenderers who are not agreeing to above payment terms, are requested not to submit their tender.**

16. The equipments will carry one year on site comprehensive OEM warranty. Warranty period will start from the date of successful installation of all the items at site.

17. Parties should specify the make and model of each Item along with all other details.

18. The tender must be submitted on the prescribed tender document issued by the NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH. Any other technical details required to supplement the information quoted in the prescribed tender document may please be attached separately. The information asked in the tender document should be given at the place provided for it in the tender document. The tenders in which information is not given at the place provided for it or not in the similar format given in the tender document may be rejected.

19. Printed conditions of the vendor submitted with the tender will not be binding on NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH.

20. The documents containing bids shall be free from cutting and erasures. However, alterations, if any, in the tender should be attested properly by the bidder, failing which the tender is liable to be rejected.

21. The tenders submitted by telex/telegrams/fax/email will not be considered. No further correspondence will be entertained on this matter.

22. NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH will not be responsible for any delay in obtaining the tender document by the vendor from NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH or submission of the completed tender document to NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH.

23. The registration number of the firm along with the CST/VAT No. allotted by the sales tax / trade tax authorities and I.T. registration number (P.A.N.) along with the place of registration should invariably be given along with the technical bid.

24. Tender not conforming to any or all the above terms and conditions will be rejected.

25. Incomplete tenders are liable to be rejected.

26. NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH reserves the right to increase/decrease the specified quantities of any item(s) given in the tender.

27. NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH reserves the right to reject any or all the tenders without assigning any reason whatsoever. NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH would not be under any obligation to give any clarifications to those vendors whose tenders have been rejected. The decision of Director, NISER is final and binding in case of any dispute arising out of this contract between both the parties.

(Deepak Srivastava)  
**Stores & Purchase Officer**

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#### DECLARATION BY THE VENDOR

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions from serial no. 1 to 26. This is also certified that I/We/our principal manufacturing firm have no objection in signing the purchase contract if the opportunity for the supply of the items against this tender is given to me/us.

Date:

Signature:

Address:

Name:

Designation:

On behalf of:

(Company Seal)

**SUPPLY AND INSTALLATION  
OF  
POWER SUPPLY MODULE  
FOR**

**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI  
TECHNICAL SPECIFICATION**

| <b>S.<br/>No.</b> | <b>Item Specification</b>   | <b>Qty</b> | <b>Offered specification<br/>with<br/>Make &amp; Model No.<br/>please<br/>specify any deviation<br/>if<br/>any. Please attach<br/>separate sheet if<br/>required</b> |
|-------------------|---|------------|--|
| (1)               | (2)   | (3)        | (4)  |
|                   | <b>POWER SUPPLY MODULE<br/>NC-000017-PHY-17-18-LTN-12</b>   |            |  |
|                   | <p><b>POWER SUPPLY MODULE</b><br/> <b>Item Specification:</b><br/> <b>1) VME HV Power supply module:</b><br/> Packaging: 1 Unit wide VME 6U module, No. of output channels–6,<br/> Connector type – SHV, Polarity – Negative; common floating return,<br/> Output Voltage - 0÷4 kV (connector output),<br/> Max. Output Current - 3 mA (9W max),<br/> Voltage Set/Monitor Resolution – 100 mV,<br/> Current Set/Monitor Resolution – 50 nA;<br/> VMAX hardware - 0÷4 kV common to all board channels,<br/> VMAX hardware accuracy - 2% of FSR,<br/> IMAX hardware - 0÷3 mA common to all board channels,<br/> IMAX hardware accuracy – 2% of FSR,<br/> VMAX Software - 0÷4 kV selectable for each channel,<br/> VMAX Software resolution – 100 mV<br/> Ramp UP/Down - 1÷500 V/s, 1 V/s step</p> | 1          |  |

|  |  |   |  |
|--|--|---|--|
|  | <p><b>2) NIM HV power supply module:</b><br/> Output ranges – 8 kV / 3 mA,<br/> Output channels – 4 channels, common Floating Return, SHV connector, channels with individually selectable positive or negative Polarity,<br/> Max Ch. Output Power – 9 W (Vset &lt; 3 kV)<br/> 8 W (Vset &gt; 3 kV)<br/> Vest / Vmon Resolution - 200 mV, Iset Resolution – 50 nA,<br/> Imon Resolution – 50 nA, Vmax – 0 ÷ 8100 V,<br/> Vmax Resolution – ± 1 V, Ramp UP/Down - 1 ÷ 500 V/s, 1 V/s step,<br/> Packaging – single width NIM unit, Daisy-chain capability<br/> Others:</p> <ul style="list-style-type: none"> <li>• Graphic colour display</li> <li>• Local and Remote control (USB2.0/RS485/RS232)</li> </ul>   | 1 |  |
|  | <p><b>3)NIM Crate:</b><br/> Mechanics – 19” x 5U bin, 12 slot, non ventilated,<br/> Mains input – 220 VAC, 56-60 Hz.,<br/> Output power – <b>600 W:</b><br/> 45A @ ±6V<br/> 8A @ ±12V<br/> 8A @ ±24V<br/> Status Control - ±6V, ±12V, ±24V LED and test point; GND test point; ALARM signal, STATUS, OVERHEAT and OVERTEMPERATURE LED<br/> Over Voltage Protection – Trip Off when the output voltage &gt; 105% of nominal voltage,<br/> Under Voltage Protection – Trip Off when the output voltage &lt; 95% of nominal voltage,<br/> Over Current Protection:<br/> Trip Off when the current &gt; programmable Iset value<br/> Over Temperature Protection:<br/> Trip Off when temperature of heat sink &gt; 70° C or<br/> When transformer temperature &gt; 110° C<br/> Operation – 0 ÷ 40°C without derating</p> | 1 |  |
|  |  |   |  |

**Note: - Parties must mention make & model no. of the equipment offered by them, with detailed specification (on separate sheet). Otherwise their tender will not be accepted.**



**FINANCIAL BID**  
**FOR SUPPLY AND INSTALLATION**  
**OF**  
**POWER SUPPLY MODULE**  
**FOR**  
**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH,**  
**JATNI**

| Sl. No. | Systems  | Approx. Qty. | Unit Price including all taxes, freight, Insurance and Entry Tax (delivered at NISER, Jatni Campus), service charges, installation and warranty charges in INR |
|---------|--|--------------|--|
| (1)     | (2)  | (3)          | (4)  |
| 1.      | <b>VME HV power supply module</b>  | 1 No.        |  |
|         | <b>NIM HV power supply module</b>  | 1 No.        |  |
|         | <b>NIM Crate</b>   | 1 No.        |  |
|         | NC-000017-PHY-17-18-LTN-12<br>Detailed technical specification as per technical bid.   |              |  |
|         | <b>Above item should carry one year onsite comprehensive OEM warranty. In case the tendered provide warranty less than 01 year then he has to give justification for lesser period of warranty. Without justification his tender is liable to be rejected.</b> |              |  |

**ALL ABOVE ITEMS ARE ON 1 YEAR ONSITE FULL COMPREHENSIVE OEM WARRANTY.**

Date:

Address:

(Company Seal)

Signature:

Name:

Designation:

On behalf of:

**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH  
JATNI CAMPUS, P.O.: JATNI,  
KHURDA-752 050**

**Tender Notice No. NIT Limited NO. NC-000017-PHY-17-18-LTN-12**

**CHECK LIST**

Your bid should accompany with following documents. Please enclose the required document and put (√) mark in the check list where ever applicable.

| Sl. No. | Description of Documents  | Enclosure |
|---------|---|-----------|
| 1.      | Acceptance of Declaration by the Vendor enclosed with terms & conditions  | Yes / No  |
| 2.      | At least 03 Purchase Order copy for Supply & Installation of above equipments during the last 01 financial years in State Government or Govt. of India Department(s) /Reputed Organisation(s) (in Nos. and Value). Please attach a list of clients. | Yes / No  |
| 3.      | Trade Tax / Sales Tax Registration no. with Place   | Yes / No  |
| 4.      | Income Tax Registration no. with place  | Yes / No  |
| 5.      | Detailed technical description of the item  | Yes / No  |
| 6.      | Detailed filled Financial Bid   | Yes / No  |
| 7.      | Authorisation letter in letter head duly signed by the authorised signatory for allowing your representative to attend the tender opening meeting.  | Yes / No  |

Signature of the Authorised Signatory with Date  
(with Company Seal)