



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)

**NIT LIMITED NO. B-000019-PHY-16-17**

**DUAL SWITCHABLE OUTPUT SOLDER CUM  
DESOLDER SYSTEM WITH INTERNAL PUMP**

**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH**  
**JATNI CAMPUS, P.O.: BHIMPUR-PADANPUR, VIA:-JATNI**  
**Khurdha-752050**  
**Tender Notice No. NIT Limited NO. B-000019-PHY-16-17**

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

<b>Sl. No.</b>	<b>Name of the Items</b>	<b>Name of Department</b>	<b>Indent No.</b>	<b>Unit Qty.</b>	<b>EMD(Rs)</b>
01	DUAL SWITCHABLE OUTPUT SOLDER CUM DESOLDER SYSTEM WTH INTERNAL PUMP	SPS	B-000019-PHY-16-17	01	0.00

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

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.

**Terms & Conditions: -**  
As per attached sheet

**Yours faithfully,**

**Stores & Purchase Officer**

**PART – 1**  
**TERMS & CONDITIONS**  
**FOR SUPPLY AND INSTALLATION**  
**OF**  
**DUAL SWITCHABLE OUTPUT SOLDER CUM DESOLDER SYSTEM WITH INTERNAL**  
**PUMP**  
**FOR**  
**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI**

**PART – 1**  
**TERMS & CONDITIONS**

1. Sealed tenders are invited for supply and installation of **DUAL SWITCHABLE OUTPUT SOLDER CUM DESOLDER SYSTEM WITH INTERNAL PUMP** 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 **12.01.2017** up to **5:30 p.m.** otherwise the tender will not be accepted.
5. The sealed envelope of the bidders shall be opened on **13.01.2017** at **11:30 A.M.**
6. For further information/clarification in this respect, please contact Dr Santosh Babu Gunda on e-mail <[santoshbabu@niser.ac.in](mailto:santoshbabu@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, 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.

12. 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, and insurance will be added in your cost to calculate landed cost. (NISER is exempted from Custom Duty. The present rate is approx. 5.13%).
13. 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.
14. 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 from the date of submission of all relevant documents required to release the payment.**

**The tenderers who are not agreeing to above payment terms, are requested not to submit their tender otherwise their EMD will be forfeited.**

15. The equipments will carry comprehensive warranty as asked in F.B. Warranty period will start from the date of successful installation of all the items at site.
16. Parties should specify the make and model of each Item along with all other details.
17. 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.
18. Printed conditions of the vendor submitted with the tender will not be binding on NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH.
19. 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.
20. The tenders submitted by telex/telegrams/fax/email will not be considered. No further correspondence will be entertained on this matter.
21. 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.
22. 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.

23. Tender not conforming to any or all the above terms and conditions will be rejected.
24. Incomplete tenders are liable to be rejected.
25. NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH reserves the right to increase/decrease the specified quantities of any item(s) given in the tender.
26. 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

#### 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 27. 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)

**To,**

The Finance Officer  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH  
Jatni Campus, P.O.- Jatni  
Khurda– 752050, Odisha

Ref: Tender ref. no.: \_\_\_\_\_ dated. \_\_\_\_\_

Sub: Refund of EMD

Dear Sir,

We have deposited EMD of Rs. \_\_\_\_\_/- vide D/D No. \_\_\_\_\_  
dated. \_\_\_\_\_ of \_\_\_\_\_ (name of the  
issuing Bank) against above mentioned tender. Since our tender has not being  
qualified, we request to release our EMD.

Yours faithfully,

Signature of the Authorised Signatory  
(with Company Seal)

Our addressed is verified as below:

M/s. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Pin Code: \_\_\_\_\_

Phone No.: \_\_\_\_\_

**SUPPLY AND INSTALLATION  
OF  
DUAL SWITCHABLE OUTPUT SOLDER CUM DESOLDER SYSTEM WTH  
INTERNAL PUMP  
FOR  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI  
TECHNICAL SPECIFICATION**

S. No	Item Specification	Offered specification with Make & Model No. please specify any deviation if any. Please attach separate sheet if required
(1)	(2)	(3)
<b>DUAL SWITCHABLE OUTPUT SOLDER CUM DESOLDER SYSTEM WTH INTERNAL PUMP (B-000019-PHY-16-17) Detailed Specification:-</b>		
<u><b>Dual Switchable Output Solder cum Desolder System with Internal Pump Preferred make:Metcal 1351</b></u>		
S. No	Parts	DESCRIPTION / SPECIFICATION
1	System	Smart heat technology with automatic adjustment of power with power indication analog meter of power, Input Voltage: 100-240 VAC Input Frequency:50/60Hz Power Consumption:110 Watt max. Output Power:60 Watts Max(RF Smart Heat Power) Output Frequency:450 KHz Idle Tip temperature stability:+/- 1.1°C (34°F) in still air Ambient Operating Temperature:10 - 40°C (50 - 104°F) Maximum Enclosure Temperature:55°C (131°F) Noise level:< 55 dB Vacuum suction force:0.7 bar (21in Hg at Vacuum pump at sea level) Desolder Hand-piece cable length: L=122 cm (48"), burn proof, ESD safe Tip to ground Potential:<2mV Tip to ground resistance:<2 Ohms Surface Resistivity:10 <sup>5</sup> – 10 <sup>9</sup> Ohms Internal pump 0.7 bar of vaccum suction force with smart collect chamber while desoldering
2	Soldering	<b>each 1 in quantity for all the tips</b>

	Tips	Chisel type30°- 1.0mmx9.2mm 1.5mmx10mm 2.6mmx10mm 3.5mmx11mm	
		Conical Long Reach 0.4mm x 14.9mm Conical Bent Long Reach 0.5mm x 14.7mm Conical Long Reach 0.6mm x 14.9mm	
		Bevel 60° 1.0mm x 14.22mm	
		Hoof 15° 1.5mm x 16.5mm Hoof Long Reach 3.5mm x 17.78mm	
3	Disoldering Tips	0.64mmx1.80mm (standard), 1.05mmx2.30mm, 1.35mmx2.85mm, 2.44mmx3.65mm, 0.79mmx2.05mm (long reach)	
4	Slots(Re work)	Standard Size-(2.34x1.37x1.78)mm, (3.48x1.65x1.78)mm	
6	Tweezer Blades	6.35mm, 16mm, 20.06mm, 28mm, 1mm, 2mm.	
7	Accessories/consumables (additional to Accessories/consumables include with the main system)	1. Yellow sponge (3.2 inch X 2.1 inch) pkg of 10 2. Brass pad, pkg of 10, 18 grams 3. Soft brass brush cleaner (6 no.) 4. Desolder tip cleaner, 1 no. 5. ESD air hose & fitting, 1 no. 6. MFR-PSX vaccum line connector plug,1 no. 7. Seal kit, collection chamber, 1 no. 8. Coil assembly, MFR-DSR desolder hand piece, 1 no. 9. Collection chamber, disposable, MFR-H5-SD,10 pack 10. Filter vaccum port, 1 no. 11. Steel wool (qty:50) 12. Collection chamber for solder, MFR-HDS hand piece, 1 no.	
<b>Warranty: 3 years</b>			

**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**  
**DUAL SWITCHABLE OUTPUT SOLDER CUM**  
**DESOLDER SYSTEM WTH INTERNAL PUMP**  
**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)
01.	<b>(B-000019-PHY-16-17)</b> <b>DUAL SWITCHABLE OUTPUT SOLDER CUM DESOLDER SYSTEM WTH INTERNAL PUMP</b> Detailed technical specification as per technical bid	01	
	<b>Price with 03 year comprehensive warranty</b>		

Date:

Address:

(Company Seal)

Signature:

Name:

Designation:

On behalf of:

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

**Tender Notice No. NIT Limited No. B-000019-PHY-16-17**

**CHECK LIST**

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

<b>Sl. No.</b>	<b>Description of Documents</b>	<b>Enclosure</b>
1.	EMD	Yes / No
2.	Acceptance of Declaration by the Vendor enclosed with terms & conditions	Yes / No
3.	Duly filled EMD refundable sheet (if EMD is there)	Yes / No
4.	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
5.	Trade Tax / Sales Tax Registration no. with Place	Yes / No
6.	Income Tax Registration no. with place	Yes / No
7.	Detailed technical description of the item	Yes / No
8.	Detailed filled Financial Bid	Yes / No
9.	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)