



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
(परमाणु ऊर्जा 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. NC-000459-12-R&D-NIS-5.03-01-16-17

**Special Made 50 ml High Pressure and
High Temperature Reactor**

NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O.: JATNI,
Khurdha-752050

Tender Notice No. NIT Limited NO. NC-000459-12-R&D-NIS-5.03-01-16-17

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 authorized reseller/Indian agent only for supply & installation of the following item:-

Sl. No.	Name of the Items	Name of Department	Indent No.	Qty.	EMD in INR
1.	Special Made 50 MI High Pressure And High Temperature Reactor	School of Chemical Science	NC-000459-12-R&D-NIS-5.03-01-16-17	1 Nos.	9000

EMD in the form of Demand Draft should be made in favour of Finance Office, NISER Payble at Jatni.

Detail Tender Document can also be downloaded from the NISER web-site address: <http://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
Special Made 50 Ml High Pressure and High Temperature Reactor
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI

PART - 1
TERMS & CONDITIONS

1. Sealed tenders are invited for supply and installation of Special made 50 ml high pressure and high temperature reactor 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 Organization(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 **15.11.2016 up to 5:30 P.M.** otherwise the tender will not be accepted.
5. The sealed envelope of the bidders shall be opened on **16.11.2016 at 11:30A.M.**
6. For further information/clarification in this respect, please contact Dr. Sudip Barman on e-mail sbarman@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 3 -4 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
12. The prices quoted in the technical/financial bid should be inclusive of power cables, interface cables, packing, and forwarding, freight up to 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 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.

15. The equipments will carry three years on site comprehensive warranty. 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 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
MULTIMEDIA PROJECTOR
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)
	Special Made 50 MI High Pressure and High Temperature Reactor (NC-000459-12-R&D-NIS-5.03-01-16-17)	

Specification:

1	*Approximate Sizes, mL	50 ml with interchange metal autoclave. Maximum vol. 30 ml Minimum Vol. 10 ml
2	Vessel Style	Removal head ; made from SS 316 solid bar stock (no welding) & all wetted parts of SS 316.
3	##Mounting	Bench Top; Mounted on Table top with polishing of complete autoclave.
4	Maximum Pressure	3000 psi (200 bar)
5	High Temperature Max. Pressure	2200 psi (150 bar) at 200 °C with continuously
6	Heating	External electrical ceramic band heater with insulation & with high temperature steel cladding & provision to connect heater temperature sensor. It shall have insulated heater plate to prevent thermal shock to operator.
7	Maximum Temperature	250 °C
8	Temperature Measurement	Fixed Thermowell
9	Temperature display and Control Panel	Digital temperature display with temperature controller. SS control panel with Programmable P.I.D temperature controller (Make: PPI, Model: Neuro 102a/102ac, Programs: 16 ramp/soak with OSIH over shoot inhibit parameter to control overshoot with standby mode to cut off heating & cooling) with high temperature alarm system & motor speed controller mounted on it. The panel shall be Screw less design with push lock enclosure, PVC Cable tray for internal wiring, safe & rugged metal clad military grade lockable plug sockets for all the sensors, heaters & motors (for tight connection & safety) .
10	Nozzles & Fittings	i) External Fittings: Pressure gauge, vent valve, safety rupture disc (Inconel) (Certified by original manufacturer), gas inlet-valve & liquid sampling valve mounted on common dip tube. Solenoid valve at the inlet of cooling coil pipe for automatic cooling. All valve end connections shall be ¼" BSPM or 1/4" NPT

		ii) Internal Fittings: Single tube in tube out type cooling pipe, thermowell (with temp. sensor), dip tube.
11	Head Sealing and enclose	Split-Ring: PTFE Gasket with split clamp type quick opening system with clamp bolts. Body clamps shall be with clut / latches to prevent flying off of clamps in case of over pressure.
12	Motor & drive	¼ hp AC Motor and variable frequency drive with 100-1450 RPM infinitely variable speed & digital RPM indication. Motor shall have 3 piece quick & maintenance free connect/disconnect motor coupling for ease of operation.
13	Shaft Sealing	Zero leakage Magnetic drive coupling
14	Stirrer	4 bladed turbine stirrer. Stirring speed 100-1450 RPM variable. Impeller(s) diameter 1.38".
15	Sample Collection Vessels	Withdrawal of liquid or vapor samples at elevated temperatures and pressures, this quick close, O-ring seal vessel has a volume of 2-10 mL and is designed for operating pressures to 3000 psi (200bar).
16	Mains Power Supply	1φ, 220VAC ± 10%, 50Hz
17	Cooling process	Cooling coil must be included with single loop.
18	Regulator	SS Pr. Regulator with self-venting for releasing the pressure, pressure gauge. With pressure range 0 to 2500 psi (0 to 200 bar)
19	Warranty	All the parts should have 12 months warranty.
20	Installation	For first time installation with full demonstration of all parts should require by an expert.
21	Catalogue	Company should have proper catalogue with model no.
22	List of client	Need to mention the name client.

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
Special made 50 ml high pressure and high temperature reactor
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)
	Special made 50 ml high pressure and high temperature reactor	1 Nos.	
	NC-000459-12-R&D-NIS-5.03-01-16-17		
	Detailed technical specification as per Technical bid.		
	Above item should carry three years onsite comprehensive warranty. In case the tendered provide warranty less than 03 years then he has to give justification for lesser period of warranty. Without justification his tender is liable to be rejected.		

ALL ABOVE ITEMS ARE ON 3 YEARS 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-000459-12-R&D-NIS-5.03-01-16-17

CHECK LIST

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

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 Organization(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)