



# NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM

Ravangla Campus

Barfung Block, Ravangla Sub Division, South Sikkim-737139

## Notice Inviting Quotation

Ref: : NITS(4)/IFA-12-CH 45/Purch (capt)/2015/Feb 1 dated March 03, 2016

NIT Sikkim invites quotations for purchase of Magnetic stirrer and Magnetic Bar for the use in the laboratory of the Department of Chemistry. The bidders shall quote unit prices, inclusive of deliver & installation charges at Ravangla Campus of NIT Sikkim Ravngla, South Sikkim-737139.

### Required Specification:

#### Specification of Item 1: Magnetic Stirrer with Heating

1. Number of stirring positions: 1
2. Stirring quantity max. (Water): ~5 L
3. Speed range: 100-1500 rpm
4. Heating rate: ~5 K / Minute
5. Temperature range: ~ 50-350°C
6. Heat control accuracy  $\pm 1$  K or less
7. Fixed safety circuit around 55°C
8. Provision to attach a temperature sensor and External temperature probe for control of fluid temperature.
9. Different mode for running with and without external temperature sensor.
10. Control Accuracy with Sensor: around  $\pm 0.6$ K
11. Set-up plate (top) material: Ceramic or similar
12. Set-up plate (top) dimension 18 cm x 18 cm
13. Permissible ambient temperature 5 – 40°C
14. Permissible relative moisture: 80%
15. Voltage / frequency input: According to Indian options and good tolerance to the fluctuation
16. LCD display: Target and actual temperature. Error code display.
17. Hot top indicator: Yes
18. Control panel safety: May be elevated or other to prevent from leaking liquid.
19. Separate safety circuits, fixed safety temperature of 360°C, Automatically stops heating once exceed secure temperature
20. HOT warning indicates residual hotplate temperature. LCD display would show “Hot” when hotplate temperature over 50°C warning point, even if switched off
21. Electrical Requirements –As per Indian Standard

#### Specification of Item 2: Magnetic Stirrer small size

1. Number of stirring positions: 1
2. Stirring quantity max. per stirring position (H<sub>2</sub>O): 0.25 L



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3. Motor rating output 0.8 W
4. Speed control stepless
5. Speed range 300 - 1800 rpm
6. Stirring bar length max. 30 mm
7. Set-up plate material synthetic
8. Set-up plate maximum dimensions  $\varnothing$  80 mm
9. Maximum Dimensions (W x H x D): 95 x 37 x 115 mm
10. Maximum Weight: 0.500 kg
11. Permissible ambient temperature: 5 - 40 °C
12. Permissible relative humidity: 80 %

### Specification of Item 3: Magnetic Stirrer bar.

	Type a	Type b	Type C	Type D	Magnetic Bar remover	Price desired for mentioned quantity only
Shape	Ellipse	Elipse	Cross	round		
Length	~15 mm	~25 mm	~15 mm	~15 mm	~350 nm	
Coating	PTFE	PTFE	PTFE	PTFE	PTFE	
No of Pc	10	5	5	5	1	

### Terms and conditions:

1. The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialling, dating and re writing. All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price **F.O.R. NIT Sikkim**. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. The bid price must be quoted in **Indian Rupees**.
2. Each bidder shall submit only one quotation for each item. Manufacturer/authorized dealers of reputed brands of high technical quality with adequate after-sales support facilities are eligible to apply. The bidder must have supplied similar good to reputed organization to their full satisfaction and may furnish a list of the same.
3. The bid submitted by the bidder must comprise the following:
  - a) Detailed technical specifications and literature/drawings/manuals of the goods/services to be supplied.
  - b) Credentials and list of organisations where the bidder supplied similar items may attach.
  - c) Warranty period if any (comprehensive on-site).
4. Quotation shall remain valid for 45 days after the deadline date specified for submission.
5. Notwithstanding the above, the Institute reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.



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The bidder whose bid is accepted will be notified of the award of contract by the Institute prior to expiration of the quotation validity period. The terms of the accepted offer shall incorporate in the purchase order.

6. Delivery shall be made at NIT, Sikkim.
7. Payment shall be made within 30 days after satisfactory installation, commissioning and acceptance of the good.
8. NIT will not be responsible for any damages of material during the delivery or transportation.
9. Your offer must reach our office latest by **March 21, 2016, 05:00 pm at the following address**  
**FIC, Chemistry**  
**National Institute of Technology Sikkim**  
**Barfung Block, Ravangla South Sikkim 737139**  
**(Mark the envelope with the NIQ reference no)**
10. The bid document must be signed and sealed and enclosed with the bid as a token of acceptance of all terms and conditions in the bid document by the bidder.
11. The items/services must be delivered within **30 days** from the date of receipt of purchase order at the respective department.
12. All the terms and conditions of GFR 2005 of the Government of India will be applicable.
13. **Vendor must have service centre at eastern region and North Eastern region of the country.**
14. **Vendor must furnish a declaration regarding the responsibilities of service for the equipment, i.e. whether service will be provided by vendor or OEM in addition to terms and condition of service warranty.**
15. **Vendor must provide at least three name of scientist from central university, Research Institute, IITs, NITs in whose lab they supplied the particular model.**
16. The Institute reserves the right to increase or decrease the quantity mentioned in the tender depending upon the cost and in any change in scenario.

**The bid must be addressed to:**

**Director**

**National Institute of Technology Sikkim**

**Ravangla Campus, Barfung Block**

**South Sikkim 737139**