

Ref: INS/F-5770/2017-2018(Y)

Date : 06/11/2017

ENQUIRY

Dear Sirs,

Please let us have your lowest Quote/Proforma Invoice indicating cost including packing ,insurance,estimated airfreight charges,handling charges,etc.CIF/CIP upto inStem Stores for the following materials.

Sl.No	Cat.No	Item Description	Make/Model	Item Qty	UOM
1		Laboratory grade water purification system-Type II (As per specification attached)	Any	1.00	No.

Remarks: The Tenders to be quoted in foreign currencies- USD/Euro/JPY/GBP/SGD/CAD or any other currencies approved/traded hv RBI.

Please also indicate specifically the following :

1. The bids / quotation addressed to "THE HEAD-PURCHASE" with Tender / Enquiry Ref No and Item Description should reach us before submission Date and Time. The bids / quotation are liable to be rejected , if not addressed to "THE HEAD-PURCHASE".
 2. **EXIM CODE -8 digit customs tariff Number -HSN (Harmonised System Nomenclature)**
 3. Country of origion
 4. Place of Shipment
 5. Name, address,telephone number and fax numbers of your bankers.
our Account number and swift number with the bank(required for payment purposes if the order materialises on your firm).
 - 7.**Please Indicate frieght and insurance charges seperately.**
 - 8.**Please Indicate the Warranty Period and Delivery Period.**
- ndly expedite sending your Quote/Proforma Invoice/Invoice by courier so as to reach us latest by
28/11/2017 till 5.30 p.m.

Important Note

- 10.Shipping by AIRFREIGHT ONLY-CARGO MODE
- 11.Port of Entry for Customs clearance is -BANGALORE

lease use International Freights which arrive directly into Bangalore.Ex.Lufthansa Airlines Cargo,Singapore Airlines Cargo.





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13.NO SHIPMENT SHOULD BE MADE THROUGH COURIER COMPANIES LIKE FEDEX,TNT, UPS,DHL ETC.SHIPMENTS SENT THROUGH FEDEX,TNT,UPS,DHL,ETC.WILL NOT BE ACCEPTED BY NCBS.

inStem is exempted in paying customs duty(except advalorem duty of 5% + 2% cess and 4% CVD on CIF value) PLEASE NOTE THAT PAYMENT WILL BE MADE THROUGH SIGHT DRAFT THROUGH BANK(CASH AGAINST DOCUMENTS).DOCUMENTS WILL BE RELEASED FROM THE BANK IMMEDIATELY ON RECEIPT OF THE INTIMATION.BANK CHARGES INSIDE INDIA SHALL BE TO NCBS ACCOUNT AND OUTSIDE INDIA SHALL BE TO YOUR ACCOUNT.ALSO DO NOT INCLUDE CHARGES TOWARDS CUSTOMS DUTY IN YOUR PRICES SINCE NCBS WILL BEAR THIS EXPENDITURE.

Yours faithfully

For and on behalf of Insitute For Stem Cell
Biology and Regenerative Medicine

A handwritten signature in black ink, appearing to read 'V. S. R.', with a horizontal line underneath it.

GKVK, Bellary Road, Bangalore-560065,INDIA

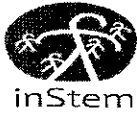
Phone No. : 91-80-23666343/344/345/346

Fax : 91-80-23636662

Email Id: purchase@ncbs.res.in

Website : www.ncbs.res.in





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Specification of Laboratory Water Purification System Type II Grade

- 1) System should be stand-alone Type-II water purification system, suitable for Biological research application.
- 2) System should be suitable to work with feed water quality of up to 2000 μ S/cm conductivity, Fouling Index (Slit Density Index) <7 , total Chlorine <3 ppm, pH 4-10.
- 3) System should have Pre Filtration unit to counter dust particles, bacteria etc. The sequence of Pre-filtration should be 10 Micron filter, 5 Micron filter followed by 1 Micron filter.
- 4) System should have Pretreatment Cartridge with Activated Carbon and 0.5 Micron Filter.
- 5) System should have High Quality Thin film composite membrane RO which should be capable of achieving 99% rejection of Ions and dissolved organics.
- 6) System should have Cartridges with high recovery loop to reduce the wastage of feed water to drain. Also it should have conductivity cell before and after RO to measure performance of RO membrane. RO waste water recovery should be up to minimum 50%.
- 7) System should produce purified Type -II water of conductivity $\leq 0.2\mu$ S/cm@25 $^{\circ}$ C, Resistivity $\leq 5-15$ M Ω .cm @25 $^{\circ}$ C and Total organic Carbon (TOC) $\leq 50\mu$ g/liter.
- 8) The capacity of the system should be minimum 40 liter/hour.
- 9) The output water quality from the system should be particle free and organic free.
- 10) The output water quality of the system should have silica contamination ≤ 5 mg/liter, chloride contamination $\leq 5\mu$ g/liter, Total Silica $\leq 3\mu$ g/liter, Bacteria contamination ≤ 10 CFU/ml.
- 11) System should have the Electro De-ionization module (EDI Module) or equivalent module, for the regeneration of Resins.
- 12) System should have UV light treatment with wavelength of 185 and 254nm.
- 13) System should have storage capacity 100 liter with material of construction suitable to store Type II Water. Storage tank should be controlled by water purification unit. Tank should have valve for drain and dispense.
- 14) System should have suitable display and user friendly GUI to check all running parameters related to purification, storage and distribution.
- 15) System should have Auto diagnostic facility with Error Number and Alarm Code and real time clock to log reports with date and time to ensure complete traceability.
- 16) System should have Automatic Cleaning, Rising, and Flush mode. System should have built in TOC indicator with the ability for self-calibration and check curve display.
- 17) System should be able to check measuring value before and after each filtration stage in order to measure performance of filtration unit.



- 18) System should give an alert on performance degradation in order to plan inventory.
- 19) System should have Real-time data with on-line measurements should be available on the system.
- 20) System should have compatibility to place either on the bench, under the bench or on the wall.
- 21) The system should be CE/ISO Certified
- 22) The system should be supplied with all the accessories required to function.
- 23) System should have warranty of 3 years.
- 24) Compliance to each of the above points should be separately indicated and evidence presence for each of them (Product brochures should be highlighted wherever required).
- 25) The system should supplied with all the necessary spares and consumables with the main offer.

