



**NATIONAL CENTRE FOR EARTH SCIENCE STUDIES**  
(An Institution under the Ministry of Earth Sciences, Govt. of India)  
P.B. No. 7250, Akkulam, Thiruvananthapuram-695 011, Kerala.  
**PURCHASE DIVISION**

**Our Ref : PUR-PROC/179a/2019-PUR-NCESS**

(To be quoted in all correspondence)

**Dt. 21.01.2020**

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**Sub: e-Procurement Tender**

Dear Sirs,

Please send your offer along with descriptive catalogue/ pamphlet for the following items not later than **18.02.2020 on 06.00 PM (Tender Opening at 11.00 A.M on 20.02.2020)**. The terms and conditions governing the tender are given at the bottom.

Sr. No.	Item	Item Description	Qty.
1.	<b>1000 µL single, channel, fixed pipette</b>	Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 6.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 2.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2
2.	<b>500 µl single, channel, fixed pipette:</b>	Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 3.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 1.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2
3.	<b>250 µl single, channel, fixed pipette:</b>	Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 3.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 1.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2
4.	<b>100 µL single, channel, fixed pipette:</b>	Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 0.6 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 0.4 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2
5.	<b>1-10 mL, single channel, variable pipette:</b>	At 1mL: Rel. systematic error: $\pm 3.0\%$ ; absolute systematic error: $\pm 0.030 \text{ mL}$ ; relative random error: $\pm 0.6\%$ ; Absolute random error: $\pm 0.006 \text{ mL}$ .A16 At 5mL: Rel. systematic error: $\pm 0.8\%$ ; absolute systematic error: $\pm 0.040 \text{ mL}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 0.010 \text{ mL}$ . At 10mL: Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 0.060 \text{ mL}$ ; relative random error: $\pm 0.15\%$ ; Absolute random error: $\pm 0.015 \text{ mL}$ Should include: extra tips (500 in number) and holder for pipette carousel	2
6.	<b>100-1000 µL single channel, variable Pipette</b>	<b>At 100 µL:</b> Rel. systematic error: $\pm 3.0\%$ ; absolute systematic error: $\pm 3.0 \mu\text{L}$ ; relative random error: $\pm 0.6\%$ ; Absolute random error: $\pm 0.6 \mu\text{L}$ <b>At 500 µL:</b> Rel. systematic error: $\pm 1.0\%$ ; absolute systematic error: $\pm 5.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 1.0 \mu\text{L}$ <b>At 1000 µL:</b> Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 6.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 2.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2
7.	<b>10-100 µL single channel, variable pipette:</b>	<b>At 10 µL:</b> Rel. systematic error: $\pm 3.0\%$ ; absolute systematic error: $\pm 0.3 \mu\text{L}$ ; relative random error: $\pm 0.7\%$ ; Absolute random error: $\pm 0.07 \mu\text{L}$ <b>At 50 µL:</b> Rel. systematic error: $\pm 1.0\%$ ; absolute systematic error: $\pm 0.5 \mu\text{L}$ ; relative random error: $\pm 0.3\%$ ; Absolute random error: $\pm 0.15 \mu\text{L}$ <b>At 100 µL:</b> Rel. systematic error: $\pm 0.8\%$ ; absolute systematic error: $\pm 0.8 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 0.2 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2

8.	<b>0.5-10 µL single channel, variable pipette:</b>	<p>At 0.5 µL: Rel. systematic error: <math>\pm 8.0\%</math>; absolute systematic error: <math>\pm 0.04 \mu\text{L}</math>; relative random error: <math>\pm 5.0\%</math>; Absolute random error: <math>\pm 0.0025 \mu\text{L}</math></p> <p>At 1.0 µL: Rel. systematic error: <math>\pm 2.5\%</math>; absolute systematic error: <math>\pm 0.025 \mu\text{L}</math>; relative random error: <math>\pm 1.8\%</math>; Absolute random error: <math>\pm 0.018 \mu\text{L}</math></p> <p>At 5.0 µL: Rel. systematic error: <math>\pm 1.5\%</math>; absolute systematic error: <math>\pm 0.075 \mu\text{L}</math>; relative random error: <math>\pm 0.8\%</math>; Absolute random error: <math>\pm 0.04 \mu\text{L}</math></p> <p>At 10 µL: Rel. systematic error: <math>\pm 1.0\%</math>; absolute systematic error: <math>\pm 0.10 \mu\text{L}</math>; relative random error: <math>\pm 0.4\%</math>; Absolute random error: <math>\pm 0.04 \mu\text{L}</math></p> <p>Should include: tip box; extra tips (500 in number) and holder for pipette carousel</p>	2
9.	<b>0.25-2.5mL single channel variable pipette</b>	<p><b>At 0.25mL:</b> Rel. systematic error: <math>\pm 4.8\%</math>; absolute systematic error: <math>\pm 0.012 \text{ mL}</math>; relative random error: <math>\pm 1.2\%</math>; Absolute random error: <math>\pm 0.003 \text{ mL}</math></p> <p>At 1.25mL: Rel. systematic error: <math>\pm 0.8\%</math>; absolute systematic error: <math>\pm 0.010 \text{ mL}</math>; relative random error: <math>\pm 0.2\%</math>; Absolute random error: <math>\pm 0.0025 \text{ mL}</math></p> <p>At 2.5mL: Rel. systematic error: <math>\pm 0.6\%</math>; absolute systematic error: <math>\pm 0.015 \text{ mL}</math>; relative random error: <math>\pm 0.2\%</math>; Absolute random error: <math>\pm 0.005 \text{ mL}</math></p> <p>Should include: Tip box, extra tips (500 in number) and holder for pipette carousel</p>	2
10.	<b>0.5-5mL single channel variable pipette:</b>	<p><b>At 0.5mL:</b> Rel. systematic error: <math>\pm 2.4\%</math>; absolute systematic error: <math>\pm 0.012 \text{ mL}</math>; relative random error: <math>\pm 0.6\%</math>; Absolute random error: <math>\pm 0.003 \text{ mL}</math></p> <p>At 2.5mL: Rel. systematic error: <math>\pm 1.2\%</math>; absolute systematic error: <math>\pm 0.030 \text{ mL}</math>; relative random error: <math>\pm 0.25\%</math>; Absolute random error: <math>\pm 0.006 \text{ mL}</math></p> <p>At 5.0mL: Rel. systematic error: <math>\pm 0.6\%</math>; absolute systematic error: <math>\pm 0.030 \text{ mL}</math>; relative random error: <math>\pm 0.15\%</math>; Absolute random error: <math>\pm 0.0075 \text{ mL}</math></p> <p>Should include: tip box, extra tips (500 in number) and holder for pipette carousel.</p>	2
11.	<ul style="list-style-type: none"> <li>➤ Should have spring loaded tip Cone for connecting tips tightly</li> <li>➤ Should have adjustment opening for adjusting pipettes to a specific liquid and volume.</li> <li>➤ Should have control button with very low operating force, Color indication for pipette volume.</li> <li>➤ Should have tip ejector with very low operating force.</li> <li>➤ Should have light piston system.</li> <li>➤ Should not decolour under UV radiations</li> <li>➤ At least 3-year warranty</li> <li>➤ At least three research institutes should be mentioned where the same has been supplied specially for isotopic and geochemistry purpose.</li> </ul>		

### **INSTRUCTIONS TO THE TENDERERS AND TERMS AND CONDITIONS**

1. The quotation should be submitted by e-procurement in PDF format by ‘logging on’ in the website [eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app). The total file size of the documents submitted should not exceed 20 MB.
2. **In place of a Bid security, the bidders must sign a Bid securing declaration along with the bid saying that “We accept that if we withdraw or modify our Bids during the period of validity, or if we are awarded the contract and we fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, we will be suspended for the period of time decided by NCESS from being eligible to submit Bids for contracts with NCESS”. The bids without this declaration or Udyog Aadhar Memorandum /NSIC will be rejected.**
3. The material should be delivered at NCESS or installed at the specified location and so the quotation should include all the charges for the delivery at NCESS/installation.
4. It should be clear whether the quoted amount is inclusive of tax or not. If the tax is extra, the current tax rates should be specifically mentioned. (The tax at the time of supply should be calculated considering the DSIR registration and its certificates will be provided in our formats).
5. **In INR orders, the Customs Duty Exemption Certificate will be given to the supplier upon request. But the entire responsibility of customs clearance and delivery at NCESS will rest with the supplier. High sea sale is not accepted and should not be quoted.**

6. **The bid should contain the Bid securing declaration, Authorization from manufacturer, Details of Service Centre, Technical details with make, model and specification of each component, Technical Compliance statement, List of Customers, Brochures etc., wherever applicable.**
7. **The offer should be valid for 120 days from the due date of opening of tender.**
8. The Purchaser reserves right to accept any tender in part or full without assigning any reasons. The enquiry is not a commitment and the purchaser reserves the right to reject or cancel any or all offers.
9. Catalogue/Brochure/Manual should be submitted along with the offer wherever necessary.
10. Warranty / Guarantee Clause needs to be mentioned necessarily wherever applicable.
11. All foreign bank charges will be to the account of beneficiary.
12. **The purchase will be made on credit basis and the payment will be made after supply and acceptance, by bank transfer.**
13. In the case of imports, both FCA and CIF/CIP Trivandrum airport prices may be quoted. 90% payment will be made against proof of dispatch documents by LC or wire transfer and balance 10% will be released against acceptance of goods and the receipt of bank guarantee.
14. In the event of placement of order, supplier / Indian agent shall provide a Performance Bank guarantee for 10% of the order value valid for warranty period + 60 days.
15. Any further changes in the details, like the date of opening or specification, will be posted on our web site only.

Yours faithfully,

Sd/-

Deputy Manager (Purchase)

## 1. Technical Compliance Statement.

Required Specification			Specification Offered with make and model	Whether complied
Item	Item Description	Qty		
<b>1000 µL single, channel, fixed pipette</b>	Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 6.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 2.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2		
<b>500 µl single, channel, fixed pipette:</b>	Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 3.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 1.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2		
<b>250 µl single, channel, fixed pipette:</b>	Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 3.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 1.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2		
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<b>1-10 mL, single channel, variable pipette:</b>	At 1mL: Rel. systematic error: $\pm 3.0\%$ ; absolute systematic error: $\pm 0.030 \text{ mL}$ ; relative random error: $\pm 0.6\%$ ; Absolute random error: $\pm 0.006 \text{ mL}$ .A16 At 5mL: Rel. systematic error: $\pm 0.8\%$ ; absolute systematic error: $\pm 0.040 \text{ mL}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 0.010 \text{ mL}$ . At 10mL: Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 0.060 \text{ mL}$ ; relative random error: $\pm 0.15\%$ ; Absolute random error: $\pm 0.015 \text{ mL}$ Should include: extra tips (500 in number) and holder for pipette carousel	2		
<b>100-1000 µL single channel, variable Pipette</b>	At 100 µL: Rel. systematic error: $\pm 3.0\%$ ; absolute systematic error: $\pm 3.0 \mu\text{L}$ ; relative random error: $\pm 0.6\%$ ; Absolute random error: $\pm 0.6 \mu\text{L}$ At 500 µL: Rel. systematic error: $\pm 1.0\%$ ; absolute systematic error: $\pm 5.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 1.0 \mu\text{L}$ At 1000 µL: Rel. systematic error: $\pm 0.6\%$ ; absolute systematic error: $\pm 6.0 \mu\text{L}$ ; relative random error: $\pm 0.2\%$ ; Absolute random error: $\pm 2.0 \mu\text{L}$ Should include: tip box; extra tips (500 in number) and holder for pipette carousel	2		
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<b>0.5-10 <math>\mu</math>L single channel, variable pipette:</b>	<p>At 0.5 <math>\mu</math>L: Rel. systematic error: <math>\pm 8.0\%</math>; absolute systematic error: <math>\pm 0.04 \mu</math>L; relative random error: <math>\pm 5.0\%</math>; Absolute random error: <math>\pm 0.0025 \mu</math>L</p> <p>At 1.0 <math>\mu</math>L: Rel. systematic error: <math>\pm 2.5\%</math>; absolute systematic error: <math>\pm 0.025 \mu</math>L; relative random error: <math>\pm 1.8\%</math>; Absolute random error: <math>\pm 0.018 \mu</math>L</p> <p>At 5.0 <math>\mu</math>L: Rel. systematic error: <math>\pm 1.5\%</math>; absolute systematic error: <math>\pm 0.075 \mu</math>L; relative random error: <math>\pm 0.8\%</math>; Absolute random error: <math>\pm 0.04 \mu</math>L</p> <p>At 10 <math>\mu</math>L: Rel. systematic error: <math>\pm 1.0\%</math>; absolute systematic error: <math>\pm 0.10 \mu</math>L; relative random error: <math>\pm 0.4\%</math>; Absolute random error: <math>\pm 0.04 \mu</math>L</p> <p>Should include: tip box; extra tips (500 in number) and holder for pipette carousel</p>	2		
<b>0.25-2.5mL single channel variable pipette</b>	<p><b>At 0.25mL:</b> Rel. systematic error: <math>\pm 4.8\%</math>; absolute systematic error: <math>\pm 0.012 \text{ mL}</math>; relative random error: <math>\pm 1.2\%</math>; Absolute random error: <math>\pm 0.003 \text{ mL}</math></p> <p>At 1.25mL: Rel. systematic error: <math>\pm 0.8\%</math>; absolute systematic error: <math>\pm 0.010 \text{ mL}</math>; relative random error: <math>\pm 0.2\%</math>; Absolute random error: <math>\pm 0.0025 \text{ mL}</math></p> <p>At 2.5mL: Rel. systematic error: <math>\pm 0.6\%</math>; absolute systematic error: <math>\pm 0.015 \text{ mL}</math>; relative random error: <math>\pm 0.2\%</math>; Absolute random error: <math>\pm 0.005 \text{ mL}</math></p> <p>Should include: Tip box, extra tips (500 in number) and holder for pipette carousel</p>	2		
<b>0.5-5mL single channel variable pipette:</b>	<p><b>At 0.5mL:</b> Rel. systematic error: <math>\pm 2.4\%</math>; absolute systematic error: <math>\pm 0.012 \text{ mL}</math>; relative random error: <math>\pm 0.6\%</math>; Absolute random error: <math>\pm 0.003 \text{ mL}</math></p> <p>At 2.5mL: Rel. systematic error: <math>\pm 1.2\%</math>; absolute systematic error: <math>\pm 0.030 \text{ mL}</math>; relative random error: <math>\pm 0.25\%</math>; Absolute random error: <math>\pm 0.006 \text{ mL}</math></p> <p>At 5.0mL: Rel. systematic error: <math>\pm 0.6\%</math>; absolute systematic error: <math>\pm 0.030 \text{ mL}</math>; relative random error: <math>\pm 0.15\%</math>; Absolute random error: <math>\pm 0.0075 \text{ mL}</math></p> <p>Should include: tip box, extra tips (500 in number) and holder for pipette carousel.</p>	2		
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