

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Bilaspur, Himachal Pradesh

No. AIIMS-BLS/Pharma/2026/NIQ/08

Dated: 12.03.2026

NOTICE INVITING QUOTATION

Supply of Digital Spirometer Apparatus in the Department of Pharmacology

Sealed quotations are invited from registered stockists/ distributors/ manufacturers having GST No. for the supply of Digital Spirometer Apparatus in the Department of Pharmacology as per the detailed specifications (Annexure-A). Sealed Quotations in a single envelope duly super subscribed at the top of the envelope as "**Quotation No. AIIMS-BLS/Pharma/2026/NIQ/08**" for the supply of Digital Spirometer in the Department of Pharmacology **due date of opening 19.03.2026** containing both the "Technical Bid" and "Price Bid" (in two separate sealed envelopes) may be submitted so as to **reach on or before 18.03.2026 up to 05:00 P.M** in the Department of Pharmacology, Academic Block, 2nd floor, AIIMS Bilaspur, Kothipura, Himachal Pradesh PIN- 174001. Bidders have to quote for all the items. Late bids will not be considered. The bids shall be opened in the presence of duly constituted local purchase committee and bidders who may wish to be present on the same day at 11:30 A.M.

For the purpose of technical evaluation, the bidder is required to submit following documents:

Technical Bid:

1. Profile-Name & Full Address of the firm & year of establishment.
2. Copy of permanent GST registration certificate.
3. Copies of supply orders secured during 2023-24 and 2024-25 for the similar products.
4. Previous year Income Tax Return (AY- 2022-23, 2023-24 and 2024-25).
5. Self-declaration that the firm is not debarred by MoHFW or Department of Commerce.
6. Full description, make and quantity of the item must be mentioned in the quotation.
7. Physical demonstration of equipment will be part technical evaluation.
8. Technical Evaluation will be based on total value wise.
9. Bidder must submit sample for each item along with bid as per specification for technical evaluation.

In case the Technical Committee rejects a sample or the bid is "Not Qualified" on technical grounds, the financial bid in respect of all the items will not be considered.

Financial Bid: The rates and total cost must be quoted in both words and figures (over writing not allowed). Selection will be made purely on the basis of lowest price quoted by technically qualified firms. Validity of the quotation should be for a minimum period of 90 days in case discrepancy between unit price & total price, the unit price shall prevail.



Financial Bid submission format for items with quantity required is as under: -

Sr. No.	Item Detail	Qty Required	Make	Model	HSN Code	Unit Price	GST @	Unit price with tax	Total Amount

Other **terms and conditions** will be as follows: -

1. Supply will be F.O.R. at AIIMS-Bilaspur
2. Supply will have to be arranged within 10 days from the issue of supply order. Delayed supplies beyond 10 days from the date of Supply Order will be subject to LD @0.5% per week or part thereof, on the contract price subject to maximum of 10% of contract price beyond which the supply order will be liable to be cancelled.
3. Supply must conform to samples wherever asked for.
4. The Institute reserves the right to reject the goods if the same are not found in accordance with the specifications approved/ asked for. In case there is a short/defective supply, the firm will be informed and the defective material will be lifted from the concerned department/ Store by the supplier at their own cost within two weeks' period. The Institute will not bear any expenses on this account.
5. Samples will be preserved till final settlement.
6. Bidder is required to quote rate of 100% items.
7. Part supply will not be accepted.
8. No revision in rate (on higher side) will be accepted at any stage.
9. The firm shall not assign or sublet the work/job or any part of it to any other firm.
10. Billing will be in the name of Executive Director, AIIMS-Bilaspur. Payment will be made after the item has been received, inspected & accepted. No advance payment will be made at any stage.
11. Taxes at other government levies will be paid extra as applicable.
12. Venue for sample verification (if asked for) and quotation opening shall be in the Department of Pharmacology, Academic Block, 2nd floor, AIIMS Bilaspur, Kothipura, Himachal Pradesh PIN- 174001.
13. In case manufacturer participates, dealers will not be allowed or disqualified.
14. For any query, please contact at e-mail ID office.pharmac@aiimsbilaspur.edu.in

[Handwritten signatures]

Kept
12.3.2026
Faculty In Charge
Department of Pharmacology
AIIMS, Bilaspur (H.P.)
Department of Pharmacology
AIIMS, Bilaspur (H.P.)

Digital Spirometer

Specifications

1. It should be portable and can be performed on bed side or in OPD.
2. It must meet latest ATS/ERS standards.
3. It should be able to measure/do the following:
 - i. Spirometry & Flow Volume Parameter
 - ii. Maximum Ventilation Volume
 - iii. Pre & Post Bronchodilator comparison
 - iv. Lung Volumes & Sub – divisions
 - v. Broncho Provocation Test
4. Following measurements should also be available: FVC, FEV 0.5, FEV 1, FEV1 / FEV, PEF, PEF, FEF 25-75% Vmax25%, Vmax 50%, Vmax 75%, FET 100%, SVC, ERV, IRV, Rf, VT, TI, TE, TV/ TI, TI/ T.TOT., IC, MCC and following measurements could be predicted as well: FVC, FEV1, FEV1, FEV1 / FVC, PEF, FEF 25-75%, Vmax 25%, Vmax 50%, Vmax 75%, SVC, ERV, MVV.
5. Parameters should be measured with highest accuracy & reproducibility and accuracy should be least, if at all, affected with High surrounding Temperature and humidity levels.
6. Flow meter – Bi-directional digital turbine (flow: up to 14L/s or more, accuracy: within 3%) or Pneumotach (flow: up to 14L/s or more; accuracy: within 3%)
7. Resistance : less than 1.5 cm H₂O/L/Sec
8. SENSOR should have the following features:
 - i. Flow range : 20 l/sec.
 - ii. Flow accuracy : 5%
 - iii. Volume range : 8 lit.
 - iv. Volume accuracy: 3%
 - v. Sampling rate : 100 / sec
9. Should incorporate Electronic Barometer & Temperature Sensors, for automatic BTPS Correction.
10. Overlaying of previous test curves for comparison.
11. Real Time Flow Volume and Volume – time Traces on Computer Screen.
12. Capability to select and modify predicted equations.
13. The system should be also able to perform oximetry test





14. Indian predictive values should be available for all measurements.
15. The system should have a unit to automatically detect ambient conditions such as pressure, temperature, and humidity.
16. It should be interfaced with a treadmill system.
17. A suitable interpretation program to evaluate the test results should be available.
18. Facility to interface for desktop / Laptop Computer.
19. System software should be based on original Windows 11 OS.
20. Should be supplied with Computer Interfacing package, Cables, Software, 3-Litre Precision Calibration Syringe, standard accessories & manual.
21. Additional Accessories: Pneumotach Screens (05 Nos.), Pulmonary Filters (100 Nos), Disposable Mouthpieces (500 Numbers.)
22. Desktop Computer: 8 GB RAM, Intel corei5/i7 processor (14th generation),15" TFT Screen, USB Ports, DVD R/W, Hard Disc Drive 500GB, Laser Printer, UPS.
23. Safety and quality standards - USFDA or European CE certification to MDD, ISO Certification for quality standards.

