



अखिलभारतीयआयुर्विज्ञानसंस्थान, रायपुर(छत्तीसगढ़)  
All India Institute of Medical Sciences, Raipur (Chhattisgarh)  
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AIIMS/R/HS/OBG/LPC/155/2026/ 080

Date: 12/10/2026

Inviting Quotations for Purchase of Nitrogen (N<sub>2</sub>) cylinder, CO<sub>2</sub> cylinder with regulator for Department IVF Lab OBG at AIIMS Raipur.

### NOTICE INVITING QUOTATION

A sealed quotation is invited from Authorized Distributors having GST and relevant documents for Purchase of **Nitrogen (N<sub>2</sub>) cylinder, CO<sub>2</sub> cylinder with regulator** for Department of **IVF Lab OBG** at AIIMS Raipur. The quotation with copy of certificate of GST & other related documents should be submitted to Stores Office (Hospital), New Administrative Building, A Block; Gate no 05, AIIMS Raipur, **up to 19/10/2026 before 03:00 pm**. The quotations/Bids will be opened on the same day i.e. on 19/10/2026 at 03:30pm.

Details of item are given as under:-

| S. N. | Item                                                 | Quantity Required | Unit     | HSN Code | Make | Unit Rate | GST   |       |       | Amount |
|-------|------------------------------------------------------|-------------------|----------|----------|------|-----------|-------|-------|-------|--------|
|       |                                                      |                   |          |          |      |           | SGS T | IG ST | CG ST |        |
| A.    | Nitrogen (N <sub>2</sub> ) cylinder with regulator   | 05 Nos.           | 46.7 Ltr |          |      |           |       |       |       |        |
| B.    | CO <sub>2</sub> cylinder with regulator              | 05 Nos.           | 47 Ltr   |          |      |           |       |       |       |        |
| C.    | <b>Technical Specification:- Annexure- A &amp; B</b> |                   |          |          |      |           |       |       |       |        |
|       | <b>Grand Total</b>                                   |                   |          |          |      |           |       |       |       |        |

### Terms & Condition:

1. The interested agencies are required to submit the sealed technical bid and sealed financial bid separately. The bids in **sealed Cover -I** must comprise of "**Technical Bid**" and sealed **Cover-II** must comprise of "**Financial Bid**" Both these **two cover** must be placed in third sealed cover super-scribed with all the details mentioned.

2. Firm to mention Make/Brand name in their quotation.

3. Taxes, if any (Kindly mention in above table) should be clearly mentioned in the offer.
4. Document relating to registration of firm i.e. GST and relevant document should be submitted along with quotation.
5. Products are certified from ISI/ISO/CE/GMP/BIS as applicable, the Certificate to this effect should be attached.
6. Supply should be done as per Purchase Order.
7. Price should be FOR Destination basis (i.e. concerned department).
8. 100% Payment will be released after certification from concerned department.
9. Quotation Name/No. and due date of opening must be mentioned on top of envelopes.
10. LD @ 0.5% of delayed supply per week or part of week for delay of supply of material subject to maximum up to 10% of delayed supply to be deducted.
11. AIIMS Raipur reserves the right to place order for full or part quantity
12. The AIIMS, Raipur reserves the right to increase/decrease the number of required quantity.
13. All other terms & condition as per GFR 2017.
14. Material to be delivered at Department of **IVF Lab OBG**, AIIMS Raipur.
15. Validity of the quotation should be 90 days from the date of opening.
16. Bidders should submit their email id, contact details with GST registration.
17. AIIMS Raipur reserves the right to ask the tenderers for arranging demonstration of their samples for feel & amp; finish for which rates have been quoted, to the concerned committee, if required.
18. If supplied items are not utilized before expiry, the supplier shall undertake to replace them with fresh stock as and when required.
19. Supplier shall arrange for free replacement of any quantity that deteriorates in potency, strength, or approaches expiry (or has expired) before the expiry date marked on the labels.
20. Quotation should be submitted only during Working Days & Office hours:  
Monday to Friday: 9 AM-5 PM  
Saturday: 9 AM-1 PM

  
12/10/26  
**Stores Officer**  
**Hospital Store (H)**  
**AIIMS, Raipur (C.G)**  
**Pawan Kumar**  
भंडार अधिकारी (अस्प.)/Stores Officer (Hosp.)  
अखिल भारतीय आयुर्विज्ञान संस्थान रायपुर (छ.ग.)  
All India Institute of Medical Sciences Raipur (C.G.)

## Annexure – A

### A. Technical Specification of Nitrogen D type cylinder:

1. Nitrogen D type cylinder with Bull nose valve
2. Water capacity 46.7 ltr
3. Test Pressure 250 bar
4. Working pressure 150 bar
5. Nominal length 1370 mm approx.
6. Outside diameter 232 mm
7. Minimum wall thickness 5.4 mm
8. Color code of cylinder French Grey with black band
9. Explosive certificate of PESO for 5 years fitness.

### B. Carbon Dioxide (Co2) Jumbo Cylinder Detailed

#### **Specification:**

- Water capacity: 47.00 Ltrs,
- Minimum wall thickness: 4.2 mm.,
- Steel Grade: 37 Mn material,
- Specification: IS7285 part-II,
- Filling Pressure: 150kgf/cm,
- Test Pressure : 250 kgf/ cm<sup>2</sup>,
- Tare Weight: 50-51. Kgs (Approx.) with neckin,
- Neck Threading: IS 3224 1979,

  
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All India Institute of Medical Sciences Raipur

## Annexure -B

### Technical Specification - Cylinder Pressure Regulator for N2 / CO2

| <u>Parameter</u>             | <u>CO2 Cylinder Regulator</u>                            | <u>N2 Cylinder Regulator</u>                      |
|------------------------------|----------------------------------------------------------|---------------------------------------------------|
| Regulator type               | Two-stage pressure regulator                             | Two-stage pressure regulator                      |
| Gas compatibility            | 100% CO2                                                 | 100% Nitrogen                                     |
| Material                     | Chrome-plated brass or stainless steel                   | Chrome-plated brass or stainless steel            |
| Inlet pressure               | Up to 200-230 bar                                        | Up to 200-230 bar                                 |
| Outlet pressure              | Adjustable 0-2 bar                                       | Adjustable 0-2 bar                                |
| Recommended working pressure | 0.5-1.0 bar (typically 0.8 bar)                          | 0.5-1.0 bar (typically 0.8 bar)                   |
| Pressure gauges              | Two gauges (Cylinder pressure & Delivery pressure)       | Two gauges                                        |
| Outlet connection            | 6 mm or 1/4" hose barb/compression fitting               | 6 mm or 1/4" hose barb/compression fitting        |
| Shut-off valve               | Needle valve or diaphragm valve                          | Needle valve or diaphragm valve                   |
| Gas purity                   | Suitable for medical/research grade gas (99.995-99.999%) | Suitable for medical/research grade gas           |
| Certificate                  | Explosive certificate of PESO For 5 years fitness        | Explosive certificate of PESO For 5 years fitness |

  
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