



**SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES**  
[Funded by the Department of Science & Technology, Government of India]  
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Ref:SNB/ENQ/RKM(RT)/N<sub>2</sub> Gas Gen./15-16/307(WP)

04.06.2015

Sealed quotations are hereby invited for the following items in two parts (Technical and Commercial bids). One large envelope containing two smaller envelopes containing Part A: Technical Bid and Part B: Commercial Bid need to be submitted separately –

Two smaller envelopes should be super-scribed "**Technical Bid**"/"**Commercial Bid**" as the case may be.

Sl. No.	PARTICULARS	Qty.
01.	Nitrogen Gas Generator.  [See reverse for detailed technical specification.]	01 no.

**Technical bid** should contain complete technical information/ literature/brochure of the quoted item including user's list and authorization certificate of the principal manufacturer. Users list of the quoted item should include the name, address, ph. no(s)., fax and email address in India. **Price Bid** - In case of imported item CIF Kolkata airport price should be mentioned and for indigenous item FOR price up to S. N. Bose Centre may be quoted.

Note: Attached herewith "Annexure-I (Technical Compliance Statement), Annexure-II (check list) and Annexure-III (Tender Terms & Conditions).

❖ **Annexure I** ⇒ Technical Compliance Statement ❖ **Annexure II** ⇒ is to be duly filled in by the bidder and should be submitted with the Technical Bid only. Offer received without any of the relevant information / certificate / document asked as per Annexure-I from sl. no.01 to 18, may not be considered for further evaluation. ❖ **Annexure III** ⇒ should also be submitted with the technical bid duly sealed and signed as an acceptance of all tender terms & conditions mentioned therein. ❖ The Centre reserves the right to accept or reject offer of the tenderer. ❖ The Centre's decision shall be final and binding on the tenderer. Attached documents should be duly marked.

Note:-

- 1) The quoted price should be inclusive of delivery and installation charges.
- 2) Validity should be for 90 days from the date of opening.
- 3) Minimum 02 years onsite standard warranty from the date of installation to be provided.
- 4) Payment is subject to after delivery and satisfactory installation.
- 5) Delivery period should be mentioned in the quotation.
- 6) Our ref. no. should be mentioned on top of the quotation envelope.
- 7) Quotation for the above items should reach this office by **26<sup>th</sup> June, 2015**.

Thanking you,  
Yours faithfully,

S. K. Singh  
AR (Purchase)

**Technical specification for Nitrogen Gas Generator.**

- 1) Technology: The generator must employ Pressure Swing Adsorption technology (PSA technology) to produce high purity Nitrogen.
- 2) Capacity: 10 litre/min of N<sub>2</sub> gas or better.
- 3) Nitrogen purity: more than 99.999% or better.
- 4) Water dew-point: -55 °C.
- 5) The generator must have built-in oil free double-headed noiseless air compressor.
- 6) Noise level: <55 dB.
- 7) Nitrogen Output pressure: 5.5 bar.
- 8) Touch-screen LCD Display that shows output flow rate with nitrogen purity (with O<sub>2</sub> sensor installed as optional).
- 9) Works in auto-run mode in which the generator can be programmed to auto-start and auto-stop as per user program.
- 10) Provides the service alarm which indicates when the maintenance is due and the service record is stored within the touch screen.

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**Technical Compliance Statement for Nitrogen Gas Generator**

<b>Requirement</b>	<b>Compliance</b>	<b>Supportive documents/ data sheet provided</b>
Technology: The generator must employ Pressure Swing Adsorption technology (PSA technology) to produce high purity Nitrogen.		
Capacity: 10 litre/min of N <sub>2</sub> gas or better.		
Nitrogen purity: more than 99.999% or better.		
Water dew-point: -55 °C.		
The generator must have built-in oil free double-headed noiseless air compressor.		
Noise level: <55 dB.		
Nitrogen Output pressure: 5.5 bar or better.		
Touch-screen LCD Display that shows output flow rate with nitrogen purity (with O <sub>2</sub> sensor installed as optional).		
Works in auto-run mode in which the generator can be programmed to auto-start and auto-stop as per user program.		
Provides the service alarm which indicates when the maintenance is due and the service record is stored within the touch screen.		

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 Seal, Signature of bidder with date

