



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/N₂ Gas Gen./15-16/132(WP)

29.04.2015.

Dear Sir,

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 **13th May' 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 N₂ 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 O₂ 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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Annexure – I

Technical Compliance Statement for Nitrogen Gas Generator

Requirement	Compliance	Supportive documents/ data sheet provided
Technology: The generator must employ Pressure Swing Adsorption technology (PSA technology) to produce high purity Nitrogen.		
Capacity: 10 litre/min of N ₂ 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 ₂ 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.		

Seal, Signature of bidder with date

General Terms & Conditions:

- 1) The bid should be submitted in two bid system each of which is to be submitted in separate envelope. One envelope should contain “Technical Bid” i.e., technical specifications, terms and condition, terms of payment except price and another envelope should contain “Price Bid” i.e., price of the quoted item. Both the envelopes should be separately sealed and kept in another large envelope which should be marked with tender reference number, name of the equipment and tender opening date. Separate bid should be submitted for each of the items. Combined bids will not be entertained.
- 2) The tenderer should have high technical, financial reputation with sufficient experience and capable enough for supply, installation & commissioning of similar type of equipment to actual users. Documentary evidence should be submitted in this respect.
- 3) Against such offers, if statutory requirement demands clearance from concerned Governments the tenderers should confirm in their offer that “Export License” in that respect would be arranged by them at their cost.
- 4) Offers should be complete in all respect indicating therein the unit price(s) including manuals, make, model, duties and taxes, delivery period, gross and net weight of the consignment, terms of payment, together with the descriptive leaflet/catalogue/pamphlet/manufacturer’s brochure.
- 5) The offers shall remain valid at least for a period of **90 days. The period starts from the date of closing of tender submission.**
- 6) The Institute shall not be responsible for delay, loss or non-receipt of the tender through post/Air Mail
- 7) The aforesaid Tender is being issued with no financial commitment and purchaser reserves the right to change / vary any items or items thereof at any stage.
- 8) No tenderer shall be entitled for any compensation what so ever for rejection/non consideration of their tender.
- 9) Invitation of tender does not constitute any right or claim for issue of purchase order to the tenderer.
- 10) If any information furnished by the tenderer is found incorrect or false at a later stage he shall be liable to be debarred from ordering / tendering
- 11) For items originating from abroad 80% payment shall be made by letter of credit and the balance 20% payment will be released after successful completion of installation & commissioning at site.
- 12) For indigenous item, payment will be made after satisfactory installation & commissioning of the equipment / instrument at site.



Specific Terms & Conditions for Research Nitrogen Gas Generator:

- Tenderer shall give all Technical details, Specifications and other relevant/additional details, if any, for the above.
- The quotation should include an Earnest money (EMD) for Rs.20,000/- (Rupees Twenty Thousand only) in the form of Demand Draft in favour of “S. N. Bose National Centre for Basic Sciences”, payable at Kolkata. Bid without EMD will not be considered and shall be rejected. EMD should be submitted alongwith the Technical Bid.
- EMD of unsuccessful bidder will be refunded without any interest whatsoever within 30 days after issue of purchase order to the successful bidder. EMD of the successful bidder will be returned without any interest whatsoever after receipt of performance Guarantee of **5%** of Purchase Order Value
- 5% certified value of the bill will be retained as Performance Guarantee till expiry of warranty period.
- The Performance Guarantee will be refunded without interest subject to satisfactory rectification/replacement of any defect arising within the warranty period duly certified by the concerned department.
- Attached herewith “Annexure-I (Compliance Statement), Annexure-II (check list) and Annexure-III (Tender Terms & Conditions). All should be duly filled in by the bidder and should be submitted with the Technical Bid of. Offer received without any of the relevant information / certificate / document asked as per “Annexure I, II and III” may not be considered for further evaluation.
- The Centre reserves the right to accept or reject offer of the tenderer without assigning any reason . The Centre’s decision shall be final and binding on the tenderer. Attached documents should be duly marked.



Annexure – II

- The following form should be submitted with the technical bid duly filled and signed.
 ➤ **Relevant documents must be enclosed with the technical bid as per Sl. no. 01 to 18.**

S/N	PARTICULARS	Yes/No	REMARKS
01	Technical bid & Price bid duly sealed & signed enclosed in separate envelopes as instructed.		
02	<u>Contents of Technical bid</u> (a) Technical details as per specification enclosed with technical bid ⇨ (b) Technical Compliance Statement (as per Annexure – I) to be furnished and any deviation should mentioned specifically in a separate sheet. ⇨ (c) Literature/Manual of the offered item ⇨ (d) Current Authorization Certificate from the Principal Manufacturer ⇨ (e) Name, address, email & ph. no. of users in India. ⇨ (Preferably Research laboratories) (f) Copy of P.O. and installation certificate with the same specification from at least one user ⇨		
03	Delivery charges on F.O.R basis up to S. N. Bose Centre, Kolkata for indigenous items with detailed break-up of cost		
04	All applicable tax (VAT/CST/Sales/Service tax) should be mentioned		
05	Whether the price quoted is without excise duty, as the centre is fully exempted from payment of excise duty		
06	Copy of Trade License, VAT, PAN, Service Tax Registration no. enclosed with the technical bid.		
07	Installation charges included (if any) to be mentioned		
08	02 years Standard warranty from the date of installation to be mentioned		
09	Payment after installation of material at site		
10	Payment mode should be mentioned		
11	Delivery/installation time from the date of PO to be mentioned		
12	Enquiry no. should be mentioned on top of all quotation envelopes		
13	Validity of Quotation should not be less than 90 days from the date of submission		
14	Maintenance procedure of the offered item to be mentioned		
15	Contact details of after sales service centres in Kolkata to be mentioned		
16	Bank details of the beneficiary to be mentioned		
17	In case of any defect found after receipt of material or in case of any deviation from the specifications or in case of any operational defect found during the warranty period, any part or the entire material is to be replaced by the supplier at no extra cost to the Centre.		
18	Whether your company has been blacklisted by any Central/State Govt. organization.		

Note: Offer received without any of the relevant information / certificate / document asked in the above sl. nos. 01 to 18 may not be considered. 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.

Seal, Signature of bidder with date