

# Corrigendum-I

Tender enquiry: 24/Neonatology/Nitric oxide/701/2023-Rish(Admn)

Tender Name: Procurement of Nitric oxide delivery system for department of Neonatology at AIIMS Rishikesh

Tender ID: 2023\_IMSR\_776232\_1

**Please consider the specifications uploaded with this corrigendum, instead of the specifications uploaded in the Tender document.**

**The latest specifications are as follows:**

1. The unit should be suitable for use in NICU, even for extremely preterm neonates.
2. The device should be a microprocessor controlled device. Should be the latest version of its kind.
3. The system should have a touchscreen LED display large enough to accommodate monitoring parameters and settings.
4. The system should be tested and compatible with installed range of neonatal HFO ventilators (Drager VN500) in department with direct connection and synchronization through a medical interface cable; the test certificate of manufacturer should be enclosed.
5. It should have battery backup of at least three hours.
6. Delivered gas volume should be automatically and electronically adjusted to the values of the ventilation system via medical grade cable connection.
7. It should be a flow proportional device with NO dosing ranging from 0 to 90 ppm.
8. It should have adjustable parameters: target concentration, minute volume (flow), alarm limits for NO and NO<sub>2</sub>.
9. It should have settings as below:
  - a. NO Concentration – 0.1 – 90 ppm + 0.2 ppm
  - b. Dosing range – 13 to 17 micro litres
  - c. Dosing modes – triggered or continuous
  - d. Minute Volume – 0.1 – 40 lpm
10. Monitoring (side-stream technology) should be as below:
  - a. NITRIC OXIDE: Range – 0 – 90 ppm + 0.2 ppm
  - b. NITRIC DIOXIDE: Range – 0 – 50 ppm + 0.2 ppm
  - c. OXYGEN: 0 – 100% + 5%
  - d. Flow Measurement: hot wire anemometry based flow sensor with high flow range of 1 – 180 lpm and low flow range of 0.1 – 50 lpm
11. The system should be mounted on a mobile trolley and movable from bed to bed as per NICU requirement.
12. The system should have USFDA/European CE/ISO/BIS certificate and should be light weight (not more than 10 kg)
13. “MAKE IN INDIA” Product will be preferred.
14. The standard scope of supply should include the following:
  - a. Main Unit with integrated battery backup

- b. NO cylinder pressure reducer with WEGA connection for medical NO gas mixtures
- c. Gas supply hose made of stainless steel, length of 3 m
- d. Trolley for NO unit with wire basket and holder for two gas cylinders
- e. Accessories set as below:
  - i. Accessory set for neonatal use including 2x dosing tube neonate, 2x water trap neonate, 2x measuring tube neonate, 2x T-piece neonates OD10/ID10 – 50 sets each
  - ii. Calibration kit – 1 (if needed)
  - iii. Scavenging filters – 2 sets (if needed)
  - iv. Battery – 1 set
- f. External flow meter for using with ventilators of different brands
  
- g. Pre-filled light-weight aluminium cylinders of nitric oxide – 10 (ten), which must be easily refillable in india.
- h. All other accessories needed for smooth running of the equipment should be provided at the time of purchase.

15. The vendor should have local trained service personnel and offices. List of the same should be provided with names of service personnel.

16. Company should take responsibility of refilling of cylinders as and when necessary within a period of 1 week with pick up and drop back service to AIIMS Rishikesh.

Price of refilling should be frozen for a minimum period of 5 years.

17. Comprehensive warranty for at least 5 years from date of installation with at least 3-monthly visits for routine checking and whenever called for troubleshooting

18. Company should ensure the supply of consumables and accessories for the period of warranty and CMC.

19. Items covered under CMC: Prices of consumables and accessories should be quoted separately in the financial bid for the entire period of warranty and CMC. Company should ensure the supply of consumables and accessories for the period of warranty and CMC.

20. CMC price from 6 th to 10 th year should be quoted separately.

21. Onsite physical demonstration/training of the equipment to all the end users with all the requested facilities will be mandatory

22. Documentation

- o User/Technical/Maintenance manuals to be supplied in English

- o Certificate of calibration and inspection from factory

23. General requirement for Electrical safety of Medical Equipment

24. Should have local service facility

25. In case of technical snag/ failure the response time for Inspection within 24 Hour and repair within 5 days after providing a service machine. Failing which will attract penal action as per the decision of the Institute.

26. The service provider should have the necessary equipment's recommended by the manufacturer for installation and to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

27. The equipment should preferably be provided with Buy Back option.

28. The equipment should be upgradable with new updates and additional features if available.