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No. F-8 (9) RMSC/EPM/M-5/15-16/NIB-156/ 2379

Dated: 18/5/16

**CLARIFICATION/CORRIGENDUM/ADDENDUM**

**Subject :- Amended technical Specifications, date extension and other terms and conditions of Bid document for the Boyals Apparatus with Vaporizer and Safety Device under NIB No. F-8 (9) RMSC/EPM/M-5/15-16/NIB-156/1115 Dated 10.03.2016 and Amended No. 2007 Dated 26.04.16.**

In Reference to above cited subject and NIB-156, the technical specification of items are here by amended as below:-

**Revised Technical Specifications for Boyals Apparatus**

1. The Machine shall be suitable to be used for adult and paediatric patients.
2. It should be of perfect workmanship with rigid and robust structure of epoxy powder-coated or stainless steel material.
3. It should have rotameter with color-coded knobs for Oxygen and Nitrous Oxide.
4. It should have a back bar which is ISO-pin type to attach vaporizer easily.
5. It should have Close circle system with CO2 absorbent canister should be mounted on the machine. There should be facility to bypass closed system for changing soda lime while the machine is in use. There should be quick change over from open circuit to close circuit.
6. Should have NIST Inlets for piped medical gases for O<sub>2</sub>, and N<sub>2</sub>O.
7. International quality tubing's and leak proof connections in place of conventional copper tubes for easy serviceability and maintenance. Internal pipe work should be color coded as per ISO Standards.
8. Should have color coded, Gas specific, Pin Indexed yokes with sliding stainless steel clamping bars for Oxygen min. 2 Nos. and Nitrous Oxide min. 2 Nos. **and CENTRAL PIPELINE INLET FOR O<sub>2</sub> & N<sub>2</sub>O.**
9. Semi-open, semi-closed or closed circuit system.
10. Oxygen Flush at table level to give 35-75Lt/min.
11. Should have pressure relief valve, with auto reset feature, non return valves & oxygen flush.
12. Should have large roller bearing anti-static castors with front brakes & foot rest.
13. Stainless steel table top for writing, keeping syringes, drugs, instruments etc.
14. Wide Monitor shelf at eye level with securing provision for extra monitor.
15. Should have twin selectatec manifold made out of single piece design without connections to avoid leakages for mounting at least two agent specific vaporizers with interlocking facility.
16. Should be supplied with one agent specific vaporizer for **Isoflourane** (Calibration certificate should be submitted at the time of Installation for vaporizer)
17. **Should be supplied with two agent specific filler for isoflourane.**
18. **Supplier shall be responsible for Vaporizers Calibration.**
19. Should be supplied with necessary attachments for use of breathing circuit like Bains, Jackson- Rees, Magills etc.
20. **Machine should be CE Certified/ ISI MARK.**
21. **Vaporizer should be US- FDA approved/ EU CE from Notified Body.**
22. **Manufacturer should be ISO 9001/ISO 13485 certified.**
23. **Safety Features / Mechanisms:**
  - a) Hypoxic guard to ensure min 25% oxygen supply at all O<sub>2</sub>- N<sub>2</sub>O mixture supply flow.
  - b) Audible oxygen failure warning system with N<sub>2</sub>O cut off.
  - c) Self activated electro-pneumatic audio visual OFWD to activate an alarm when supply pressure of oxygen falls to 150 kPa-250 kPa
24. **Guarantee:** Two years on equipment from the date of installation.
25. **CMC:** CMC shall be given @ 5 % of net rate (inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of two years.
26. Autoclavable anesthetic circuits in all sizes for adult & pediatric (one each), complete set in all sizes of anesthetic face mask for adult & pediatric (one each) and operational/training manual (1 No.) as

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- per requirement of the equipment should be provided along with equipment at the time of installation / commissioning.
27. Installation will be done by supplier free of cost.
  28. Firm should mention all the pre-installation requirements in technical bid.
  29. Demonstration of machine is must for final approval.
  30. The service engineer should be based in Rajasthan.
  31. Maximum Permissible time for breakdown call services is 48 hours and call may be logged through phone, Fax, e-mail, or letter.
  32. During two years of Guarantee period, for each year, minimum three preventive visits for repair, maintenance and services are mandatory.
  33. The company should mention the make & model name/number of the quoted equipment and submit the technical brochure of the quoted model in the Technical bid along with compliance sheet as per technical specifications.

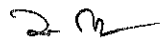
In Reference to above cited subject and NIB-156, the last date for sale of bid, receipt of bid and date of opening of technical bid is hereby extended as below:-

Existing Date			Extended date		
Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid	Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid
24.05.2016 11:00 AM	24.05.2016 01:00 PM	24.05.2016 03:00 PM	02.06.2016 11:00 AM	02.06.2016 01:00 PM	02.06.2016 03:00 PM

**Note: Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.**

**All other terms and conditions of bid shall remain the same.**

This bears the approval of M.D., RMSCL, Jaipur

  
 Executive Director (EPM)  
 RMSCL, Jaipur  
