

Amendment No. 3

Date: 10/08/2016

Sub: Amendment to the Tender Enquiry Document

Ref: NIT No.: HLL/PCD/PMSSY/Rohtak/04/16-17 dated 08-06-2016, Amendment no.1 dated 08/07/2016 and Amendment no.2 dated 08/08/2016

The following changes have been incorporated in the referred NIT.

SECTION - VI LIST OF REQUIREMENTS

1. For:

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

120 days from date of Notification of Award.60 days for installation and commissioning at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

b) For Imported goods directly from foreign:

120 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period). 60 days for installation and commissioning and training.

Read as:

a) For Indigenous goods or for imported goods if supplied from India:

Delivery period should be within 120 days from the date of Notification of Award. Installation, commissioning and training should be within 210 days from date of Notification of Award at consignee site. The date of delivery will be the date of delivery at consignee site. (Tenderers may quote earliest delivery period).

b) For Imported goods directly from foreign:

Delivery period should be within 120 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period). Installation, commissioning and training should be within 210 days from the date of opening of L/C.

Section – VII Technical Specifications

1. Existing Para:- RESPONSIBILITY OF BIDDER(Pg. No. 50)

Para:-12 Third party validator of the system should certify the entire installation.

Read as: - RESPONSIBILITY OF BIDDER

Third party validator of the system should certify the entire installation, **Bidder must ensure all quoted components of MGPS shall comply with the standards followed by bidder.**

2. Added Para (UNDER RESPONSIBILITY OF BIDDER):-

13. Mixing of standard not allowed, the MGPS system shall comply to One single standard. (Ventury type AGSS is not acceptable).

3. Existing Para: - 1.4 Oxygen Flow meter with Humidifier Bottle (Pg. No. 55)

C) The flow meter body should be made of brass chrome plated materials.

Read as:- 1.4 Oxygen Flow meter with Humidifier Bottle

C) The flow meter body should be made of brass chrome/**Equivalent** plated materials.

4. Existing Para: - 1.5 High pressure tube for O2, N2O, Compressed Air, CO2, & Vacuum

It should be colour coded for individual services i.e. white for Oxygen, Blue for N2O and Yellow for Vacuum, Black for air. Antistatic rubber tube should be as per ISO standards. **It should be CE marked/UL Listed imported.**

Read as: - 1.5 High pressure tube for O2, N2O, Compressed Air, CO2, & Vacuum

It should be colour coded for individual services i.e. white for Oxygen, Blue for N2O and Yellow for Vacuum, Black for air. Antistatic rubber tube should be as per ISO standards.

5. Existing Para: - 3. Carbon dioxide system (Pg. No. 54)

Para 3.1; Fully Automatic Control panel for CO2 System- All regulators should be protected from over-pressurization by relief valves which are vented to atmosphere. There should be a bypass valve fitted to the 2nd stage regulators to allow CO2 to be vented outside the manifold room during the commissioning stage. **Deleted "To simplify installation there should be an installation bracket attached to the wall with four screws; the main panel then should locate on to this bracket and be secured. The Control Panel should be housed in a single panel having a solid construction using epoxy technology in a glass reinforced polymer moulding for high strength, high chemical and corrosion resistance. The cover should hinge upwards but should remain facing outward for manual operation and maintenance accessibility. For added safety the voltage inside the panel should not exceed 12v dc. The mains supply transformer should be in its own housing in a moulded recess at the rear of the panel.**

There should be a fail-safe system in the event of power failure so that solenoid valves open and there is full continuity of supply pressure and flow. Upon power restoration the unit should revert back to the original bank of cylinders being used. To avoid inadvertent resetting of the "change cylinder alarm" the solenoid valves should be latched so that once changeover has occurred and the cylinders have been replaced, a reset button must be operated to cancel the alarm condition.

Read as:-

Para 3.1; Fully Automatic Control panel for CO2 System- All regulators should be protected from over-pressurization by relief valves which are vented to atmosphere. There should be a bypass valve fitted to the 2nd stage regulators to allow CO2 to be vented outside the manifold room during the commissioning stage.

There should be a fail-safe system in the event of power failure so that solenoid valves open and there is full continuity of supply pressure and flow. Upon power restoration the unit should revert back to the original bank of cylinders being used. To avoid inadvertent resetting of the "change cylinder alarm" the solenoid valves should be latched so that once changeover has occurred and the cylinders have been replaced, a reset button must be operated to cancel the alarm condition.

6. Existing Para: - 4. VACUUM SYSTEMS (Pg. No. 55)

It should be imported. It should be European CE certified or UL listed under Medical Devices Directive for use in medical vacuum and dual Medical/ Surgical applications.

4.1.2 Vacuum Receiver

It should be imported and from the same manufacturer.

The vacuum receiver shall be made of rust free corrosion resistant steel and fabricated as per IS:2825 for a vacuum pressure of 760mmHg. It should include bypass valves, manual drain valves, vacuum gauge. Vacuum reservoir shall have total volume of at least 100 % of plant output in one minute in terms of free air aspired at normal working pressure.

4.3 Theatre Vacuum unit (Pg. No. 57)

It must consist of the following: - 1no. Suction Regulator and 2nos. 1700ml or more polysulfone/ polycarbonate collection jar and both to be mounted on a trolley.

Read as: - 4. VACUUM SYSTEMS

It should be imported. It should be European CE certified or UL listed under Medical Devices Directive for use in medical vacuum and dual Medical/ Surgical applications. **(If NFPA complies system the Control Panel must be UL Listed).**

4.1.2 Vacuum Receiver

The vacuum receiver shall be made of rust free corrosion resistant steel and fabricated as per **ASTM/BS/ISO/DIN**, for a vacuum pressure of 760mmHg. It should include bypass valves, manual drain valves, vacuum gauge. Vacuum reservoir shall have total volume of at least 100 % of plant output in one minute in terms of free air aspired at normal working pressure.

4.3 Theatre Vacuum unit

It must consist of the following: - 1no. Suction Regulator and 2nos. **Capacity of each jar should be 1700ml or more polysulfone/ polycarbonate collection jar and both to be mounted on a trolley.**

7. Existing Para: - 5.1. Air Compressor (Imported)(Pg. No. 57)

Para:5.1.1:-Compressor Modules:

The medical air plant shall fully comply with the requirements of the HTM 02-01/ NFPA 99 C/EN/DIN. It should be European CE/ UL listed.

Each Compressor should be suitable for both continuous and frequent start/stop operation at a nominal plant pressure of 11 bar or more shall be provided."

Read as :-

5.1. Air Compressor (Imported)

Para:5.1.1:-Compressor Modules:

The medical air plant shall fully comply with the requirements of the HTM 02-01/ NFPA 99 C/EN/DIN. It should be European CE/ UL listed. **Final Air quality shall meet American pharmacopeia or European Pharmacopeia Standard. (In case of NFPA system control panel must be UL Listed)**

Each Compressor should be suitable for both continuous and frequent start/stop operation at a nominal plant pressure of **10 bar or more** shall be provided."

Clarification for Bidders

1. AGSS System

The AGSS outlets will be part of Pendant and shall be in the scope of MOT vendor. MGPS Vendor has to connect the AGSS pipeline to all OTs .

2. Para:1.1 Oxygen Supply System: Interconnection to the Existing/Proposed Liquid Oxygen System (Price should be quoted separately) :

Bidder should quote per meter rate. Inclusive of all charges. For evaluation purpose 30 mtr. Shall be considered.

3. Para 9: Horizontal/ Vertical Bed Head Panel

The quantities of outlets have already been mentioned in the BOQ section of the outlets in tender document. However it is clarified that the bed head panel shall supply pre-fitted and pre-piped with outlets.

All other contents of the tender enquiry including terms & conditions remain unaltered.

- Note:**
- i) Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.**
 - ii) The time and date of closing and opening of online bids remains same as mentioned in amendment no.2 dated 08.08.2016.**