

Response To Pre-Bid Queries (Pre-Bid date: 05.11.2019)

NIB Ref: HITES/PCD/PMSSY-IV/06/MGPS/19-20 dated 24-10-2019

Tender Page & Para	TENDER SPECIFICATION	REPRESENTATION RECEIVED FROM THE FIRMS	COMMITTEE RECOMMENDATION	JUSTIFICATION
Para 16 Page 51	<p>The following systems/Items must be from the same principal company/Manufacturer</p> <p>1 Control Panels & Manifold for O2, N2O & CO2</p> <p>2 Medical Air Plant</p> <p>3 Medical Vacuum Plant</p> <p>4 AGSS Plant</p> <p>5 Area & Master Alarm</p> <p>6 All types Outlets</p> <p>7 AVSU</p> <p>8 Line Isolation Valves</p> <p>9 High Pressure Tubes.</p>	<p>Your tender demand for same Principle company/Manufacturer is biased to favor cartel companies & companies of your choice only this unwanted clause may be removed immediately. We strongly object this approach to favor only proven cartel companies.</p>	No Change	
		<p>We request you to kindly delete the sentence The following systems/items must be from the same principal company/Manufacturer: , and allow bidders to select the best possible supplier options, as long as all the MGPS Products being offered are from the same single MGPS Standard (HTM / ISO / NFPA) for which the bid is submitted.</p> <p>It may be kindly noted that there are only a few and limited suppliers who can actually manufacture / outsource all the MGPS products.</p> <p>On the other hand, there are many manufacturers who are having exceptionally good experience and reputation in their respective domain like for; MGPS Plant Source Equipments (Medical Air Plant, Vacuum & AGSS Plants), and there are other's who can offer MGPS Distribution System Equipment and similarly for Architectural Systems (Bed Head panels etc), SOT Products (Oxygen Flowmeter, Ward Vacuum Units, Theatre Vacuum Units etc). Hence, we request you to kindly allow bidders to select best possible supplier options, as long as they fulfill the technical specifications of the particular product.</p> <p>In this case, Linde shall take the single point responsibility for all the equipment supplied by the respective domain experts. Moreover, Manufacturers Authorisation Letter shall be also arranged from the OEM Suppliers.</p>	No Change	
		<p>Our submission is that AVSU ,Line isolation and AGSS plant should be removed from this list.As in AGSS blower technology is also acceptable as per tender documents.</p>	No Change	

		<p>We had raised this query in earlier Tender No.HITES/PCD/AIIMS-IV/14/MGPS/18-19 dated 14.02.2019 for AIIMS Gorakhpur, AIIMS Bhatinda Tender. This was never mentioned in any Govt Tender for AIIMS or PMSSY etc, that 09 items should be from same Principal Company/manufacturer. It is requested that these items should be as per same standard except copper pipe, Ward Vacuum Unit, Theatre Vacuum Unit, Bed Head Panel and Columns as these are accessories and are not part of Medical Gas System which was clarified.</p> <p>We strongly suggest that the Medical Gas Pipeline System must follow single standard; same is understandable and acceptable. Therefore request you to kindly DELETE the Para "The following systems/Items must be from the same principal company/Manufacturer"</p>	No Change	
<p>Para 3.1 Page 56</p>	<p>Air Compressor Modules:- It should be Oil-Less Screw Compressors /Scroll Compressors to produce the plant output of {minimum Liters Per Minutes(LPM) Plant capacity } as mentioned in BOQ of respective institute as primary and same capacity as standby. Medical quality air shall be delivered at a nominal pressure of 400 kPa (4 bar) and 700kPa(7 bar) gauge for supply of the hospital medical air and surgical air. Compressor plant should be designed in such a way that compressors will switch on in a sequential manner as per flow demand. The compressors should be standalone ones with independent power supply.Each Compressor should be suitable for both continuous and frequent start/stop operation at a nominal plant pressure of 10bar or more. The duty compressors shall be automatically rotated by the plant control system to ensure even wear. Compressors shall be supplied and installed. Desiccant dryer shall be provided with a dew point sensing switch that shall provide an alarm on the plant control panel and central hospital alarm system when the water concentration in the delivered air rises above the limit. Duplex desiccant dryer and filtration modules shall be</p>	<p>Please remove the word oil-less compressors from Air Compressor Modules because as per HTM which is mentioned in your tender does not require oil-less compressors because all the UK manufacturers who are producing Air plants as per HTM are using oil-flooded screw compressors (because their efficiencies are many times higher than oil-less compressors) and all UK hospitals and even in Europe as per ISO:7396 and Middle east hospitals are using oil-flooded air compressors.</p> <p>Once you are demanding HTM standard / recommendations then it is the responsibility of manufacturer to design and manufacture the air plants with medical air quality by using any types of air compressors but by using this oil-less word you are only inviting NFPA standard / recommendations and mentioning of HTM is an eye We strongly object this approach to favor only proven cartel companies.</p>	No Change	

Para 1.2 Page 54	Oxygen Manifold Supply System (without Cylinders)	The Technical Specification does not mention about any CE certification / UL Listing requirement for this product, which implies that a Indigenous system can also be offered. However, in Page 51, SI No 16, it is stated that these items should be supplied from same principal company / manufacturer. We request you to delete the words manifolds for O2, N2O & CO2 in page 51, sl no 16.1, to eventually enable bidders supply indigenous products.	No Change	
Para 1.3 Page 54	Emergency Oxygen Manifold (without Cylinders)	Please confirm if any Pr Regulating System is required to be offered along with the Emergency Oxygen Manifold? If YES, what is the flow capacity & other technical requirement? Is this Imported or Indigenous? The Technical Specification does not mention about any CE certification / UL Listing requirement for this product, which implies that a Indigenous system can also be offered. However, in Page 51, SI No 16, it is stated that these items should be supplied from same principal company / manufacturer. We request you to delete the words manifolds for O2, N2O & CO2 inpage 51, sl no 16.1, to eventually enable bidders supply indigenous products.	Added Para under the Heading "Emergency Oxygen Manifold (without Cylinders)" : Necessary pressure regulating system should be supplied along with the Emergency Oxygen Manifold.	For better clarity.
Para 1.4 (C) page 54	The flow meter body should be made of brass chrome plated materials.	Since some of the manufacturers prefer Nickel plating over Chrome plating due to potential health hazards of chromium, we request you to reframe the point C) as : The flow meter body should be made of brass chrome / nickel plated materials.	Amended as: The flow meter body should be made of brass chrome/Nickel plated materials.	For wider participation.
Para 1.2 Page 54	Oxygen Manifold Supply System (without Cylinders)	The Technical Specification does not mention about any CE certification / UL Listing requirement for this product, which implies that a Indigenous system can also be offered. However, in Page 51, SI No 16, it is stated that these items should be supplied from same principal company / manufacturer. We request you to delete the words manifolds for O2, N2O & CO2 in page 51, sl no 16.1, to eventually enable bidders supply quality indigenous products.	No Change	

Para 2.3 Page 56	Emergency N2O Manifold (Without Cylinders)	<p>Please confirm if any Pr Regulating System is required to be offered along with the Emergency Oxygen Manifold? If YES, what is the flow capacity & other technical requirement? Is this Imported or Indigenous?</p> <p>The Technical Specification does not mention about any CE certification / UL Listing requirement for this product, which implies that a Indigenous system can also be offered. However, in Page 51, Sl No 16, it is stated that these items should be supplied from same principal company / manufacturer. We request you to delete the words manifolds for O2, N2O & CO2 in page 51, sl no 16.1, to eventually enable bidders supply quality indigenous products.</p>	<p>Added Para under the Heading "Emergency N2O Manifold (Without Cylinders)" :</p> <p>Necessary pressure regulating system should be supplied along with the Emergency N2O Manifold.</p>	For better clarity.
Para 7 Page 61	Installation should be on roof top/suitable location. Piping, Non-Return-Valves (NRVs), and inlet nozzle should be suitably placed. Connecting hose suitable to fit with anesthesia workstation should be provided.	<p>There are different types of connecting hoses available for different types / makes of Anaesthesia machines. The MGPS bidder will not be aware of what kind of Anaesthesia machine the institute will eventually procure, and therefore it is not possible to estimate the cost of connecting hoses.</p> <p>The connecting hoses of Anaesthesia machine are normally provided by the Anaesthesia machine manufacturers.</p> <p>Hence, we request you to kindly delete the sentence, Connecting hose suitable to fit with Anesthesia workstation should be provided.</p>	No Change	
Para 11 (11.1) Page 63,64	<p>Master Alarm (Digital)</p> <p>The master alarm must be able to monitor the following source alarm conditions.</p> <ul style="list-style-type: none"> · Oxygen Source Empty/Fault · Oxygen Cylinder Bank Empty/Fault · Oxygen Emergency Bank Empty/Fault · Air Compressor Faulty/Operation · Vacuum Pump Faulty/Operational · Vacuum Deficiency Vacuum Reservoir - And Other MGPS Signals & Alarms 	Please specify what are the other MGPS Signals & Alarms which are required to be monitored.	<p>Clarified as :</p> <p>There are minimum 40 points to be monitored as per given specification. Alarms additional to these will be decided by respective consignees.</p>	For better clarity.
Para 19, Page 66,67	Interconnection to LMO Tank (Optional Price should be quoted):- Price should be quoted per meter basis for inclusive of all installation, material (Copper Pipes, fittings, etc), trenches and labour etc. charges as per site condition. The payment will be made on actual meter consumption for interconnection from LMO tank to Gas Manifold room.	Kindly specify the Copper Pipe Size & Trench Size.	No Change	

Common	UL/ETL/USFDA/CE Certification in case of NFPA-99 Standard	We request that the US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed Criteria SHOULD BE "WHEREVER APPLICABLE FOR ALL THE ITEMS".	No Change	
Para 17 Page 51	The third party compliance certification after installation to be done for the standard followed i.e HTM 02-01/NFPA 99C/DIN/EN/ISO-7396-1 except copper pipe from the authorised agency. The cost for the same will be borne by the bidder.	At Page no. 33, Sr.No. 8.8, it is mentioned that Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, Bureau Veritas, TUV prior to despatch then at Page 51, Point 17 it is mentioned third party certification after installation. Why inspection again and again. This point should be looked upon as this leads to un-necessary expenses and time of contractor. One time inspection should be considered, either before shipment or after. We request this should be included in the BOQ Cost for more clarity.	No Change	
Para 20 Page 52	Bidder should be responsible for suitable arrangement of heat dissipation and Air-Conditioning as per offered MGPS plant requirement / recommendations from the Manufacturer and as per local site condition. Bidder should also take care of backup arrangement for AC and Exhausts as the MGPS Plant may run 24x7 as per the requirement. Minimum 20TR AC (ductable with exhausts) will be considered for ranking purpose and price to be quoted separately.	We request AC and Exhausts should be included in Extra Works of BOQ as this is the responsibility of MOT Bidder.	No Change	
Para 5(2) Page 60	Suction Regulator(Digital/Analogue): Suction regulator should be supplied with a safety jar, including and antibacterial filter and an anti-overflow safety device. Should have wide membrane continuous suction controller. In case of digital suction regulator, battery should be replaced by the bidder during warranty & CMC period	The Ward Vacuum Unit and Theatre Vacuum unit in earlier tenders were Digital. Why it is Digital/Analogue. What are the reasons for lowering the specs?? You are aware that analogue is old technology and inaccurate. World is moving forward and by re-introducing analogue technology, you are moving backward. We request Digital Technology should only be adopted and Amended in Tender.	No Change	
Para 6(1) Page 60	Suction Regulator (Digital/Analogue) and 2nos. 1500ml or more polysulfone/ polycarbonate collection jar and both to be mounted on a trolley. In case of digital suction regulator, battery should be replaced by the bidder during warranty & CMC period		No Change	
Para 3.2 Page 57	Vertical Air Receiver:- Total air receiver capacity shall be at least 50% (+/- 5%) of the primary plant capacity (capacity as mentioned in the tender) in 1 minute in terms of free air delivered at normal working pressure. Each air receiver shall be protected by a pressure relief valve, a fusible plug and include a pressure gauge with isolating valve and a drain cock.	This had been discussed during earlier pre-bid meetings in AIIMS, PMSSY Tenders and representation thereafter for Medical & Surgical and Vacuum reservoir, that the reservoir should be as per standard which is sufficient to cater the requirement. Huge tanks requires more space and incurs more cost. To meet the requirement you may opt for Indigenous Reservoir.	No Change	

Para 4.2 Page 59	Vacuum Receiver:- The vacuum receiver shall be made of rust free corrosion resistant steel and fabricated as per ASME/BS/ISO 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 primary plant output (+/- 5%) (capacity as mentioned in the tender) in one minute in terms of free air aspired at normal working pressure.	We wish to inform that Tender from M/s HSCC IGMC Shimla & AIIMS Delhi for MGPS is also from the market wherein Medical Air & Surgical, Vacuum System Receivers are as per Standard. Whereas in HITES MGPS Tenders, the receivers are 50% & 100% of primary plant capacity, which in comparison is on the higher side. We therefore request to amend the requirement of reservoirs.	No Change	
Para 3 Page 56	Medical and Surgical Air System:- The medical air plant shall fully comply with the requirements of the HTM 02-01/ NFPA 99 C/EN/DIN/ISO 7396-1. It should be US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed (Incase of NFPA 99c the control panel of plant must be UL/ETL Listed and Undertaking from manufacturer for this tender reference must be submitted for using the same control panel in the system offered)	We request American ETL/ American UL listed (In-case of NFPA 99c the control panel of Plant must be UL/ETL Listed and Undertaking from manufacturer must be submitted for using the same control panel in the system offered)and should comply with HTM 0201/NFPA 99 C / EN /DIN/ISO 7396-1, should be maintained as we had notice that in MGPS Najafgarh Tender you are asking certification for complete system which as per NFPA-99 standard does not come.	No Change	
Para 4 Page 58	VACUUM SYSTEMS:- It should be US FDA / European CE Certified with 4 digit notified body number or American ETL/ American UL listed (In-case of NFPA 99c the control panel of Plant must be UL/ETL Listed and Undertaking from manufacturer must be submitted for using the same control panel in the system offered)and should comply with HTM 0201/ NFPA 99 C / EN /DIN/ISO 7396-1.		No Change	
Para 7 Page 61	AGSS (Anesthetic Gas Scavenging System) Plant - The package should consist of duplex rotary vane/claw type vacuum pumps or blower as applicable to standards, a control panel with automatic changeover, and mounted on a common base frame.	Blower type AGSS is never installed in any of the reputed Hospital in India and there is huge costing difference between AGSS System with Blower Technology. In comparison to Rotary Vane/Claw Technology, Blower Technology costs 6 times lower in cost comparison costs and has inferior quality & not at par to the Rotary Vane/Claw Technology. In Tender no. HITES/AIIMS-Guwahati/2018, AGSS is Rotary Vane/Claw Technology only. There should not be any compromise on quality of material. We request blower type should be deleted.	No Change	
Para 11 Page 63	ALARM SYSTEM:-Master Alarm (Digital) The box material should be of gauge steel of requisite thickness and equipped with mounting brackets. The emissions from alarms should conform with EMC standards.	EMC Standard applies to HTM standard. It does not apply to NFPA-99 Standard. Therefore, EMC Standard should not be applicable to NFPA-99 Standard. Kindly make necessary amendments. We also request the Panel should be Touch Screen Type as it is latest upgraded technology and nowadays is in use.	No Change	

		As per NFPA standard, Alarms are considered to complies with FCC Part 15 Class A and ICES -003 Class A instead of EMC Standard. Kindly amend the same accordingly	No Change	
Para 15 Page 64	Horizontal/ Vertical Bed Head Panel:- Segregation of services i.e. Low voltage supplies, High Voltage supply and Medical gases should be maintained with minimum 3 tier/3 channel arrangements with built-in LED Lighting/flexible light (with ON/OFF control)	We suggest 2 tier/2 channel arrangement is sufficient and 3 tier/3 channel will increase cost. 2 tier/2 channel arrangement is sufficient to meet the requirement. In earlier HITES tender such as PMSSY-III, it is 2 tier/2 channel arrangement. Therefore it is requested to amend it to 2 tier/2 channel.	Amended as : Segregation of services i.e. Low voltage supplies, High Voltage supply and Medical gases should be maintained with minimum 3 tier/3 channel arrangements with built-in LED Lighting/flexible light (with ON/OFF control). Sample drawing of the bedhead panel to be submitted along with technical bid.	For better clarity.
Para 21(a) Page 69	Construction of Operator Room and Toilet (Optional)	Please appreciate, we are not aware about the room size, so what size, we should imagine to quote the price as Lumpsum. It should be m (meter) so that appropriate rate could be quoted. Detailed scope of work should be clarified as costing is involved in it.	No Change	
Para 23 Page 69	Interconnection from Local alarm panels to master alarm panel	Please appreciate, the length size of wire is measured in m (meters). We request, it should be m (meter).	No Change	
Para 13 Page 51	All Gas Outlets in MOT (i.e. O2, N2O, MA4, MA7, Vacuum, CO2(if required), etc.) will come with OT Pendants(Under MOT Tender) Bidder has to provide pipe lines upto all MOTs.	All Gas Outlets in MOT (i.e. O2, N2O, MA4, MA7, Vacuum, CO2(if required), etc.) will come with OT Pendants(Under MOT Tender) Bidder has to provide pipe lines upto exterior walls of all MOTs.	No Change	
Para 22 Page 52	Bidder should be responsible for dedicated earthing (Chemical type) for MGPS Plant room(If required)	Chemical Earthing is not asked in tender BOQ. Kindly mention the same.	Clarified as : Chemical Earthing would be added in BOQ.	For better clarity.
		Our submission is that it should be provided either by the hospital or it should be in the scope of construction company.	Clarified as : Chemical Earthing would be added in BOQ.	For better clarity.
Para 1(1.1) Page 54	Fully Automatic Oxygen Control Panel:- The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute (If the requirement is more than flow capacity requirement automatic control panel the bidders has to supply O2 numbers of Automatic Control Panel and design the system in such a way to meet the flow requirement of respective institute).	This statement is contradictory to the flow rate mentioned in the tender. If department wants two numbers of control panel then the same should be clearly mentioned in the BOQ. You are requested to kindly delete this clause from technical specifications of tender.	Amended as : The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute (If the requirement is more than the specified flow capacity requirement of automatic control panel, the bidder has to supply appropriate Automatic Control Panel and design the system in such a way to meet the flow requirement of respective institute) The bidder should quote optional price for Oxygen Control panel of capacity 500LPM. (To be added in BOQ)	For better clarity.

Para 1.2 Page 54	Oxygen Manifold Supply System (without Cylinders):- Each header bar assembly shall be provided with a high pressure shut off valve. Oxygen Manifold should consist of respective numbers of class D-type bulk oxygen cylinders. The manifold should be hydraulically tested to atleast 3000 psig. The manifold should be so designed that it shall suit easy cylinder changing and positioning. The system should have non – return valves for easy changing of cylinders without closing the bank. The cylinder should be placed with the help of cylinder brackets and fixing chains which should be galvanized.	Cylinder brackets and fixing chains vary from standard to standard. The same does not apply to NFPA Standard. You are requested to kindly delete it from tender technical specifications.	No Change	
Para 1.3 Page 54	Emergency Oxygen Manifold (without Cylinders):- Oxygen Manifold should consist of 2/1 rows of respective numbers of class D-type bulk oxygen cylinders. The manifold should be hydraulically tested to atleast 3000 psig. The manifold should be so designed that it shall suit easy cylinder changing and positioning. The system should have non – return valves for easy changing of cylinders without closing the bank. The cylinder should be placed with the help of cylinder brackets and fixing chains which should be galvanized.	Cylinder brackets and fixing chains vary from standard to standard. The same does not apply to NFPA Standard. You are requested to kindly delete it from tender technical specifications.	No Change	
Para 1.4(g) Page 55	The humidifier bottle is made of unbreakable & reusable polycarbonate /polysulfone material autoclavable at 121 degree centigrade .	Point No.G) - The humidifier bottle is made of unbreakable & reusable polycarbonate /polysulfone / Polypropylene material autoclavable at 121 degree centigrade. Request you to kindly add Polypropylene material for Humidifier Bottle, which is high quality, longlasting and highly recommended. Also note Polysulfone and Polypropylene material are autoclavable at 134 Deg C, however polycarbonate is autoclavable at 121 deg c.	No Change	
Para 2(2.1) Page 55	Fully Automatic Nitrous Oxide Control Panel:- The Control Panel shall include two pressure relief valves, one high pressure approx.200psi and one low pressure approx.75 psi.	Same as Oxygen Fully Automatic Control Panel, the control panel shall include two pressure relief valves, one high pressure approx 200 / 350 psi and one low pressure approx 75 psi - since High pressure relief valve are rated at 350 psi (High Pressure) and cannot be set at 200 psi.	Amended as: The Control Panel shall include two pressure relief valves, one high pressure approx. 200psi/350psi and one low pressure approx.75 psi.	For wider participation.

Para 2(2.1) Page 55	Fully Automatic Nitrous Oxide Control Panel:- The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute (If the requirement is more than flow capacity requirement automatic control panel the bidders has to supply 02 numbers of Automatic Control Panel and design the system in such a way to meet the flow requirement of respective institute)	This statement is contradictory to the flow rate mentioned in the tender. If department wants two numbers of control panel then the same should be clearly mentioned in the BOQ. You are requested to kindly delete this clause from technical specifications of tender.	Amended as : The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute (If the requirement is more than the specified flow capacity requirement of automatic control panel, the bidder has to supply appropriate Automatic Control Panel and design the system in such a way to meet the flow requirement of respective institute) The bidder should quote optional price for N2O Control panel of capacity 500LPM. (To be added in BOQ)	For better clarity.
Para 2(2.2) Page 55	Nitrous Oxide Manifold (Without Cylinders):- Manifold shall consist of two high-pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies. Each header bar shall be provided with respective number of cylinder pigtail connections to suit cylinder valves as per IS.3224/ BS/ ASME incorporating a check valve at the header connection. Each header bar assembly shall be provided with a high pressure shut off valve. The manifold should be hydraulically tested to atleast 3000 psig. The manifold should be so designed that it shall suit easy cylinder changing and positioning. The cylinder should be locked with the help of cylinder brackets and fixing chains which should be galvanized.	Cylinder brackets and fixing chains vary from standard to standard. The same does not apply to NFPA Standard. You are requested to kindly delete it from tender technical specifications.	No Change	
Para 12 Page 64	Line Isolation Valves:-	Kindly add Lines stating " Line Isolation Valves should be 3" Piece ball type with Bronze body Lockable with Stuffed Pipes. Each Valve should be Separately packed as per the standard.	No Change	
		Ref. Thickness of Isolation Valves, kindly add all the valves should be Single Port except 108mm ball Valve. For 108mm- It should be dual Port.	No Change	
Para 20(i) Page 66.	Site Modification – Bidder should be responsible for antistatic rubber flooring in the manifold room and thickness of flooring not less than 1inch.	This is not ideally required in Manifold room. Taking into A/c the fact that transportation of Cylinders & loading / unloading is lightly to damage the floor. We therefore recommend using Ironite flooring with minimum thickness of 5 mm. You are requested to kindly amend the same.	Amended as: Bidder should be responsible for heavy duty flooring such as ironite/Kota Stone in the manifold room and thickness of flooring not less than 1inch.	For better clarity.

Common	Copper Pipes:- 76mm OD X 1.2mm thick	8.2 - 76mm OD X 1.5mm thick The thickness available for 76 mm OD is 1.5mm instead of 1.2mm. Kindly correct the same.	Amended as : 76mm OD X 1.5mm thick	For better clarity.
Para 27 Page 52	Bidder should submit the MGPS Plant and Manifold equipment loading design with foot print of all component as per their offered plant along with bid within the area of 120 sq m. bidder may keep the tanks inside, only when their offered plant and manifold are coming within the 120 sq m area alongwith proper sitting space for technicians, cylinder storage space for filled and empty, also height of tanks should be maximum 3.5m in case of installation within the MGPS plant room.	Our submission is that the capacity asked for air and vacuum plant sin this tender are on the higher side and also the vessel size for air plant and the vacuum plant are also not as per standard.So it is not possible to fit all the palnts along with their vessels in the area of 120 Sqm,So request to kindly change the capacity of the air and vacuum plants accordingly and the vessels size shouls be as per the standard followed by the bidder.The vessels sizes makes the transportation difficult.	No Change	
Para 21 Page 66	Extra Works (Optional)	Please clarify will these extra works which are optional will be considered for ranking of L1 bidder.	Clarified as : It is clarified as Optional Price for Extra works would be considered for price ranking.	For better clarity.
Common	IN BOQ of three sites the capacity asked for Air plants is 6000lpm plus 2000 lpm and in one site you have asked for 5000lpm and 2000lpm and the capacity for Air receiver is 50%(±5%)	Our Submission is that the capacities of the Air plant are on the higher side and the capacity for Air receiver should be amended to as per the standard followed by the bidder.	No Change	
Common	Similarly in BOQ of vacuum plants for all the four sites you have asked 4000	Our Submission is that the capacity of the vacuum plants are on the higher side if we compare with the BOQ of other sites of PMSSY Ph3 ,and the capacity of the vacuum receiver should be as per the standard followed by the bidder.	No Change	
Para 11(11.2) Page 63	ALARM SYSTEM:-	You have not asked for the touch screen master and area alarm. Our Submission is that the master alarm and area alarm specification be amended to Touch Screen with screen size of minimum 5 inches as this is the latest technology and it gives us the Historical data which is very important keeping in view the safety of the patients.	No Change	