

All Bidders**Amendment –IV**

Project: Supply, Installation, Testing & Commissioning of Medical Gas Manifold System for Hospital Block, All India Institute of Medical Sciences (AIIMS), Raebareli.

IFB No. HSCC/SES/MGMS/AIIMS/Raebareli/2019 dated 29.03.2019

This has reference to above IFB.

The following Amendment may be noted which shall be treated as part of the tender document and to be submitted duly signed & stamp along with tender.

Sr. No.	Bidder's Queries	Reply
1	<p>Completion Period</p> <p>5 Months from the date of order of commencement</p> <p>It is requested for Time for completion of work should be amended to 180 days from the date of approval of drawing, BOQ, Design Scheme approval, handing over of site in all respect whichever is later.</p>	<p>Tender terms & conditions prevail.</p>
2	<p>Payment Term</p> <p>65 % of the BOQ contract rates on delivery of equipments at site after inspection, passing and issue of dispatch clearance on pro-data basis.</p> <p>25% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments on pro-data basis.</p> <p>10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client on pro-data basis.</p> <p>Requested for You are requested to kindly amend the payment terms of tender as follows:</p> <p>85% on delivery of Material, 10% on installation and balance 5% of submission of FAC Or 80% on delivery of Material, 10% on installation and balance 10% of submission of FAC</p>	<p>Payment Term</p> <p>70 % of the BOQ contract rates on delivery of equipments at site after inspection, passing and issue of dispatch clearance on pro-data basis.</p> <p>20% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments.</p>

	<p>It is requested to kindly amend the payment terms of tender as follows: 85% on delivery of Material, 10% on installation and balance 5% of submission of FAC Or 80% on delivery of Material, 10% on installation and balance 10% of submission of FAC</p>	10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client.
3	<p>Page No.24 of Volume - IV</p> <p>Responsibility of Bidder</p> <p>Bidder shall execute all required civil, electrical, plumbing, lighting, fire safety, exhaust systems, false ceiling trap door/ cutout and repair(if any) and other works as maybe required for complete installation and trouble-free functioning as a part of the 'Civil Modification'.</p> <p>It is requested to Please elaborate all required civil, electrical, plumbing, lighting, fire safety, exhaust systems, false ceiling trap door/ cutout and repair (if any) and other works as maybe required for complete installation. Please specify the areas where these work has to be executed. Please mention quantity of all additional work required to be carried out by MGPS Vendor in tender BOQ</p>	Tender terms & conditions prevail.
4	<p>Page No.25 of Volume – IV, Point No.6</p> <p>Bidder will be responsible for trenching or other associated work related to installation and commissioning of complete MGPS system.</p> <p>It is requested to Since this work is costly, you are requested to kindly mention the same in tender BOQ as extra works.</p>	Tender terms & conditions prevail.
5	<p>Point No.9</p> <p>Medical gas pipe line inside the minor operation theatre has to be done by the MGPS bidder. MGPS bidder shall cooperate with the MOT bidder for associated works.</p> <p>It is requested to Only outside MGPS work should be in scope of MGPS bidder instead of inside OT work. Kindly amend the same to Medical gas pipe line outside the minor operation theatre has to be done by the MGPS bidder.</p>	Deleted
6	<p>Point No.24</p> <p>Bidder should submit the MGPS plant and Manifold equipment loading design with footprint of all components as per their offered plant along with bid within the area of 200 sq.m bidder may keep tanks inside. Bidder has to consider proper sitting space for technicians, cylinder storage space for filled and empty including Plant room equipment. The height of tanks should be maximum 3.5 m.</p>	Height of tank shall be as per standard recommendations

	<p>It is requested to Any drawings related to MGPS work will be designed only after issuance of NOA. Hence it is not possible to submit the same at the time of submission of bid. You are requested to kindly delete the lines stating "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 200 sq m. bidder may keep the tanks inside, only when their offered plant and manifold are coming within the 200 sq m area along with proper sitting space for technicians, cylinder storage space for filled and empty".</p> <p>Further kindly also delete height of tanks should be maximum 3.5 m, since height of tank is as per standard recommendations.</p>	
7	<p>TECHNICAL SPECIFICATION</p> <p>It is requested to Kindly add the below line in tender technical specifications “All the items must be from the same make, same standard and same country of origin excluding Liquid Medical Oxygen, Copper Pipes, Cylinders and Electrical Control Panel.</p>	Tender terms & conditions prevail.
8	<p>Item No.1.1, Fully Automatic Oxygen Control Panel</p> <p>The Manifold Control Panel should be Digital / Analogue</p> <p>It is requested to Since Analogue is outdated technology and have no comparison with Digital Technology, we recommend amending it to “The Manifold control panel should have 10” LCD Digital Display”. Kindly amend the same accordingly</p>	Tender terms & conditions prevail.
9	<p>Instruction for changing the cylinders should be clearly identified on the front of the control panel.</p> <p>It is requested to Kindly amend it to Instruction / indication for changing the cylinders should be clearly identified on the front of the control panel.</p>	Instruction / indication for changing the cylinders should be clearly identified on the front of the control panel.
10	<p>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.</p> <p>It is requested to Since the Primary Source for Oxygen is Liquid Medical Oxygen and Secondary source is Automatic Control Panel. Can you please confirm why there is a requirement of an additional Automatic control panel. You are requested to kindly delete invalid line from tender specifications.</p>	Tender terms & conditions prevail.
11	<p>Control Panel should have Alarm reset switch / mute / acknowledgement switch to control and monitor the alarm indications by the operator</p> <p>It is requested to Ref. the alarm conditions inside the fully automatic control panel, operators</p>	Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master

	are not allowed to mute / switch / acknowledgement the alarm, the front panel only shows the status of the Manifold and controlling alarm indications can be done through Master alarm. Hence this line may please be amended as "Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm" or the line may please be deleted from tender technical specifications.	alarm
12	<p>Item No.1.2, OXYGEN MANIFOLD SUPPLY SYSTEM</p> <p>Manifold shall consist of two high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies.</p> <p>It is requested It is not necessary to have two header bars. Manifold can be facilitated by providing single header bar also. We therefore recommend amending the line to "Manifold shall consist of high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies".</p>	Tender terms & conditions prevail
13	<p>Oxygen Manifold should consist of 2 rows of respective numbers of class D-type bulk oxygen cylinders.</p> <p>It is requested to As mentioned above, It is not necessary to have two header bars. Manifold can be facilitated by providing single header bar also. We therefore recommend amending the line to "Oxygen Manifold should consist of 1/2 rows of respective numbers of class D-type bulk oxygen cylinders."</p>	Tender terms & conditions prevail.
14	<p>The Manifold should be hydraulically tested at 3500 psig.</p> <p>It is requested to please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same and mention "The Manifold should be hydraulically tested at3000 psig".</p>	Should be as per standard mentioned in the technical specification
15	<p>Item No.1.3 EMERGENCY OXYGEN MANIFOLD</p> <p>Manifold shall consist of two high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies.</p> <p>It is requested to As per Standard recommendation, one high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies is provided instead of two header bar assemblies. You are requested to kindly amend the same and mention "Manifold shall consist of high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies"</p>	Tender terms & conditions prevail.
16	<p>The Manifold should be hydraulically tested at 3500 psig.</p> <p>It is requested to Please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same</p>	Should be as per standard mentioned in the technical specification

	and mention "The Manifold should be hydraulically tested at 3000 psig ".	
17	<p>Item No.1.4 OXYGEN FLOW METER WITH HUMIDIFIER BOTTLE</p> <p>Point No. I) – Should be BIS / CE Certified / UL Listed</p> <p>It is requested to Kindly amend it to European CE Marked with 4 Digit Notified Body No / USFDA Certified / UL Listed / ETL Listed</p>	European CE Marked with 4 Digit Notified Body No / USFDA Certified / UL Listed / ETL Listed/BIS
18	<p>Item No.1.5 LIQUID MEDICAL OXYGEN</p> <p>Safety Fitting Vessel Low Liquid level alarm</p> <p>It is requested to In Safety Fitting, Vessel Low Liquid level alarm is not required since low pressure alarm will be provided. Kindly delete Vessel Low Liquid Level Alarm from tender technical specifications.</p>	Tender terms & conditions prevail.
19	<p>Item No.2.1 FULLY AUTOMATIC NITROUS OXIDE CONTROL PANEL</p> <p>The Control Panel shall include two pressure relief valves, one high pressure approx.200psi and one low pressure approx.75 psi.</p> <p>It is requested to 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.</p>	One high pressure approx 200 / 350 psi and one low pressure approx 75 psi
20	<p>Control Panel should have Alarm reset switch / mute / acknowledgement switch to control and monitor the alarm indications by the operator</p> <p>It is requested to Ref. the alarm conditions inside the fully automatic control panel, operators are not allowed to mute / switch / acknowledgement the alarm, the front panel only shows the status of the Manifold and controlling alarm indications can be done through Master alarm. Hence this line may please be amended as "Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm" or the line may please be deleted from tender technical specifications.</p>	"Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm"
21	<p>Item No.2.2 NITROUS OXIDE MANIFOLD</p> <p>Manifold shall consist of two high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies.</p> <p>It is requested to As per Standard recommendation, one high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies is provided instead of two header bar assemblies. You are requested to kindly amend the same and mention "Manifold shall consist of high pressure header bar assemblies to facilitate connection of primary and secondary cylinder supplies".</p>	Tender terms & conditions prevail.

22	<p>The High pressure header bar shall be designed in such a manner that it can be extended to facilitate additional cylinder connections.</p> <p>It is Requested to Kindly delete this line since extending the header bars at a later stage will void the warranty of installed system.</p>	Tender terms & conditions prevail.
23	<p>The Manifold should be hydraulically tested at 3500 psig.</p> <p>It is requested to Please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same and mention "The Manifold should be hydraulically tested at3000 psig".</p>	Should be as per standard mentioned in the technical specification
24	<p>Item No.2.3 EMERGENCY N2O MANIFOLD</p> <p>The High pressure header bar shall be designed in such a manner that it can be extended to facilitate additional cylinder connections.</p> <p>It is requested to Kindly delete this line since extending the header bars at a later stage will void the warranty of installed system.</p>	Tender terms & conditions prevail.
25	<p>The Manifold should be hydraulically tested at 3500 psig.</p> <p>It is requested to Please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same and mention "The Manifold should be hydraulically tested at3000 psig".</p>	Should be as per standard mentioned in the technical specification
26	<p>Item No.3 MEDICAL AND SURGICAL AIR SYSTEM</p> <p>Air Compressor Modules - It is mentioned that the Compressor shall be supplied and installed in such a way after cooler with a quiet running fan to maximize cooling and efficiency.</p> <p>It is requested to Kindly delete company specific lines from tender technical specifications</p>	Tender terms & conditions prevail.
27	<p>It is mentioned that each desiccant dryer shall be provided with a dew point sensing switch that shall provide an alarm on the plant control panel.</p> <p>It is requested to As per NFPA-99C standard, only one dew point sensor is provided for the entire system. The sample air for the dew point sensor shall take sample from the final line prior to delivery to facility. You are requested to kindly amend and mention "Desiccant dryer shall be provided with a dew point sensing switch that shall provide an alarm on the plant control panel".</p>	Should be as per standard mentioned in the technical specification
28	<p>Pressure Reducing Station - Padlocks available to allow locking of the valves in both open and closed positions and must have easy to read pressure gauges.</p> <p>It is requested to Please note as per NFPA standard, no locking valves are provided due to danger of accidental shut off. You are therefore requested to kindly amend and mention</p>	Should be as per standard mentioned in the technical specification

	Padlocks (if applicable to standard) available to allow locking of the valves in both open and closed positions and must have easy to read pressure gauges.	
29	<p>The compressor should have - Intake filter Check valve Delivery pipe</p> <p>It is requested to Please note as per NFPA Standard, intake filter does not have Check Valve, since Check valve causes backpressure to the pump which decreases its life expectancy. Hence, the word "Check Valve" should be deleted and mention "Intake filter Deliver Pipe".</p>	Should be as per standard mentioned in the technical specification
30	<p>System Control – The control include individual self-protected combination motor controls with short circuit protection, single phase and thermal overload protection, individual control circuit transformers with fuseless primary and secondary protection.</p> <p>It is requested to As per NFPA Standard, transformers used are fused instead of fuseless. You are therefore requested to kindly amend the same accordingly.</p>	Should be as per standard mentioned in the technical specification
31	<p>Capacity of Vertical Air Receiver</p> <p>It is requested to Capacity of Air Tank should be as per recommended Standard requirement. Kindly revise the same accordingly.</p>	Should be as per standard mentioned in the technical specification
32	<p>Item No.4 VACUUM SYSTEM</p> <p>System Control – The control include individual self-protected combination motor controls with short circuit protection, single phase and thermal overload protection, individual control circuit transformers with fuseless primary and secondary protection.</p> <p>It is requested to As per NFPA Standard, transformers used are fused instead of fuseless. You are therefore requested to kindly amend the same accordingly.</p>	Should be as per standard mentioned in the technical specification
33	<p>Capacity of Vertical Vacuum Receiver</p> <p>It is requested to Capacity of Vacuum Receiver should be as per NFPA Standard. Kindly revise the same accordingly.</p>	Should be as per standard mentioned in the technical specification
34	<p>Item No.5 WARD VACUUM UNIT</p> <p>It is mentioned that 1 No. of 1000 ml polysulphone / polycarbonate collection jar.</p> <p>It is requested that size of jar mentioned is very less. Kindly increase the size of Jar from 1000 ml to minimum 2000 ml collection jar.</p>	size of Jar 1000 ml to 2000 ml collection jar
35	<p>Should have vacuum levels: 0-760 mm of Hg or more</p> <p>It is requested to The vacuum levels mentioned are specific to one company. Kindly amend the same and mention "Should have vacuum levels: 0-750 mm of Hg or more"</p>	Should have vacuum levels: 0-750 mm of Hg or more"

<p>36</p>	<p>Must have central adjustment knob with a color coded for 0-760 mm of Hg or more</p> <p>It is requested to The vacuum levels mentioned are specific to one company. Kindly amend the same and mention "0-750 mm of Hg or more"</p>	<p>Should have vacuum levels: 0-750 mm of Hg or more"</p>
<p>37</p>	<p>Item No.6 LOW FLOW WARD VACUUM UNIT</p> <p>Should have vacuum levels: 0-250 mm of Hg or more (+/-10%)</p> <p>It is requested to The vacuum levels mentioned are specific to one company. Kindly amend the same and mention "Should have vacuum levels: 0-150 mm of Hg or more"</p>	<p>Should have vacuum levels: 0-150 mm of Hg or more.</p>
<p>38</p>	<p>It is requested to Technical Specifications of Low Flow Unit is given in tender, while the same is not considered in BOQ for pricing. You are requested to kindly add Low flow ward vacuum unit in BOQ of tender.</p>	<p>Tender terms & conditions prevail</p>
<p>39</p>	<p>Item No.7 THEATRE VACUUM UNIT</p> <p>It is mentioned that 2 No. of 1500 ml or more polysulphone / polycarbonate collection jar.</p> <p>It is requested to The size of jar mentioned is less. Kindly increase the size of Jar from 1500 ml to minimum 2000 ml collection jar or more.</p>	<p>Size of Jar from 1500 ml to minimum 2000 ml collection jar or more.</p>
<p>40</p>	<p>Should have vacuum levels: 0-760 mm of Hg or more</p> <p>It is requested to The vacuum levels mentioned are specific to one company. Kindly amend the same and mention "Should have vacuum levels: 0-750 mm of Hg or more"</p>	<p>Should have vacuum levels: 0-750 mm of Hg or more.</p>
<p>41</p>	<p>Must have central adjustment knob with a color coded for 0-760 mm of Hg or more</p> <p>It is requested to The vacuum levels mentioned are specific to one company. Kindly amend the same and mention "0-750 mm of Hg or more"</p>	<p>Should have vacuum levels: 0-750 mm of Hg or more.</p>
<p>42</p>	<p>Item No.11 AREA VALVE SERVICE UNIT</p> <p>The Area Valve Service Unit should incorporate a ball valve with NIST/else connectors either side mounted in a lockable box.</p> <p>It is requested that NFPA Standard AVSU's provided with pressure guage instead of NIST connectors. Further the valve boxes are not lockable type in NFPA Standard.</p> <p>We therefore request you to kindly amend and mention "The Area Valve Service Unit should incorporate a ball valve with NIST connectors / pressure guage either side mounted in a box".</p>	<p>Should be as per standard mentioned in the technical specification</p>

43	<p>The box shall be made from extruded aluminum to prevent corrosion.</p> <p>It is requested to as per NFPA Standard AVSU box shall be constructed of 18 guage steel complete with a baked white enamel finish instead of extruded aluminum. You are requested to kindly amend and mention “The box shall be made from extruded aluminum / 18 guage steel complete with a baked white enamel finish.”</p>	Should be as per standard mentioned in the technical specification
44	<p>Item No.11.1 MASTER ALARM</p> <p>The emissions from alarms should conform with EMC standard</p> <p>It is requested to 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.</p>	Should be as per standard mentioned in the technical specification
45	<p>Each Panel shall display and / or input up to forty points</p> <p>It is requested to The display of alarm mentioned is specific to one company. Kindly amend the same to “Each Panel shall display and / or input up to 30 - 40 points”.</p>	Each Panel shall display and / or input up to 30 - 40 points”.
46	<p>It is requested to Kindly add the following Lines in the Master Alarm:</p> <ul style="list-style-type: none"> • It should have LCD Display of 10" • Alarm should be connected with WIFI. • It should have sensor for Gas Specific detection. • LCD Sensor operating pressure range - Mid-Pressure: (0 psi to 99 psi) - OXY, AIR, N2O, CO2 • High Pressure: (0 psi to 249 psi) - IAR, NIT. Vacuum: (0 to 30 inHg) - VAC, WAGD, AGSS • Input power to the alarm shall be 115-220 VAC, 50-60 HZ. 	Tender terms & conditions prevail.
47	<p>Item No.11.2 MEDICAL GAS AREA ALARM</p> <p>It is requested to Kindly add the following Lines:</p> <ul style="list-style-type: none"> • It should have LCD Display of 10" • Alarm should be connected with WIFI. • It should have sensor for Gas Specific detection. • LCD Sensor operating pressure range - Mid-Pressure: (0 psi to 99 psi) - OXY, AIR, N2O, CO2 • High Pressure: (0 psi to 249 psi) - IAR, NIT. Vacuum: (0 to 30 inHg) - VAC, WAGD, AGSS • Input power to the alarm shall be 115-220 VAC, 50-60 HZ. 	Tender terms & conditions prevail

48	<p>Item No.13 LINE ISOLATION VALVES</p> <p>It is requested to Kindly add Lines stating:</p> <ul style="list-style-type: none"> • "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. <p>Valves should be Single Port for 12mm to 76 mm and for 108mm, it should be dual port.</p>	Tender terms & conditions prevail
49	<p>Item No.16 HORIZONTAL / VERTICAL BED HEAD PANEL</p> <p>Should have per unit as under: Lamp with flexible lighting-1 Nos</p> <p>It is requested to please note LED Light can in built in the panel or can be provided with rail clamp which will be mounted on the rail. You are requested to kindly amend the same to "Built-in light feature -1 No.".</p>	Should have "Built-in light feature or Light clamped with rail-1 No"
50	<p>Should have per unit as under:</p> <p>Holder for vacuum collection Jar – 01 Infusion pump mount pole with adaptor for mounting at least two infusion pump Two spares spaces Monitor Bracket</p> <p>It is requested to Kindly note all the below mentioned accessories are not required for Bed Head Panel. Kindly delete the following Accessories from tender technical specifications:</p> <p>Holder for vacuum collection Jar – 01 Infusion pump mount pole with adaptor for mounting at least two infusion pump Two spares spaces Monitor Bracket</p>	Tender terms & conditions prevail
51	<p>Item No.20 SITE MODIFICATION</p> <p>Bidder should be responsible for antistatic rubber flooring in the manifold room and thickness of flooring not less than 1inch</p> <p>It is requested to 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 Ironiteflooring with minimum thickness of 5 mm. You are requested to kindly amend the same.</p>	Ironiteflooring with minimum thickness 5mm instead of antistatic rubber flooring in manifold room.
52	<p>EXTRA WORKS</p> <p>It is requested at Page No.20 of Volume –IV Technical specifications, Extra works to be done by bidder (in optional) is mentioned. While no BOQ for Extra works is given in tender. You are requested to kindly add BOQ for each Extra work to be done by bidder so that rates for the same maybe quoted in the tender.</p>	Payment for extra works(if required) shall be paid additionally as per applicable Scheduled rate with measurement.

53	<p>Ref. Bill of Quantity</p> <p>You are requested to kindly provide Breakup with required quantities of Site Modification / Turnkey work to be carried out by bidders at each site. For Example:Civil work details, Electrical work, Plumbing work, False Ceiling work, Dismantling work, Electrical wiring work etc.</p>	Tender terms & conditions prevail.
54	<p>It is requested for all the below mentioned items, please confirm whether you require the same indigenous make or imported?</p> <ol style="list-style-type: none"> 1) Oxygen Manifold Supply System 2) Emergency Oxygen Manifold 3) Oxygen Flowmeter with Humidifier Bottle 4) Nitrous Oxide Manifold 5) Emergency N2O Manifold 6) Ward Vacuum Units 7) Low flow ward vacuum unit 8) Theatre Vacuum Unit 9) Area Valve Service Unit 10) Line Isolation Valves 11) Horizontal / Vertical Bed Head Panel 12) CO2 Manifold 	Tender terms & conditions prevail

56	<p>1.1 Pg. 19 & 20 of Volume -IV Technical Specifications Fully Automatic Oxygen Control Panel 2.1 Fully Automatic Nitrous Oxide Control Panel 19 Fully Automatic Control panel for CO2 System</p> <p>The Manifold control panel should be digital/Analogue, fully automatic type and switches from “Bank in Use” to “Reserve bank “ without fluctuation in delivery supply line pressure. Changeover should be performed by electrically/pneumatically operated valves contained in the control cabinet.</p> <ul style="list-style-type: none"> a. It is requested Clarity needed on whether digital/ analogue control panel is required b. Change over should be either electrical or pneumatic. Kindly amend the same <p>Above points have huge price disparity and does not allow fair playing field for bidders.</p>	Tender terms & conditions prevail.
57	<p>Pg. 14 of Vol. IV Technical Specifications 5. Ward Vacuum Units 6. Low flow ward Vacuum Unit- 7. Theatre Vacuum unit for OT</p> <p>No description on quality certification</p> <p>It is requested to add “ It should be US FDA/European CE certified with 4 digit notified body number or American ETL/UL listed</p>	It should be US FDA/European CE certified with 4 digit notified body number or American ETL/UL listed
58	<p>Completion Date</p> <p>It is requested that it is not possible to complete the work in the stipulated time, so kindly increase the time line to 8 months from five months.</p>	Tender terms & conditions prevail.
59	<p>Payment terms in the tender document are 65%,25%,10% and 5%,</p> <p>It is request to kindly amend it to 80% on supply of the material,10% on installation and remaining 10% on sucesseful , completion, trial run and handing over of the entire system as we have to pay GST on100% value and also we have to pay Custom duty @28% on imported products.</p>	<p>Payment Term</p> <p>70 % of the BOQ contract rates on delivery of equipments at site after inspection, passing and issue of dispatch clearance on pro-data basis.</p>

		<p>20% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments.</p> <p>10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client.</p>
60	<p>On page no 10, of TS point no 3,</p> <p>It is request that the stand by for the Air plant asked in the BOQ for should be as per standards followed by the Bidder, In you BOQ you have given 4000-5000 LPM with 2250-2500 LPM.</p> <p>as stand by, i.e 50% of Plant capacity where as different standards have different protocols for Backup of the plants. Similarly in Air Receivers the capacity should be as per the standard followed.Also a range of +/- of 10% be given for plant capacities as different companies may have different plant capacities.</p>	Should be as per standard mentioned in the technical specification
61	<p>Similarly in the BOQ for Vacuum plants, the back up asked for is 100% where as different standards have different protocols for back up, so it should be asked as per the standards followed by the bidder for the Vacuum plant.Similarly in Vacuum Receivers the Volume should be as per the standard followed.Also kindly give the range of +/- of 10% for the plant capacities as different companies have different plant capacities.</p>	Should be as per standard mentioned in the technical specification
62	<p>On page no17 of TS, point no 11,</p> <p>It is requested to please clarify whether the AVSU are with Valves or Without Valves, otherwise it will have effect in the Quantities of the Valves.</p>	Tender terms & conditions prevail

63	<p>On page no 21, you have asked MAF certificate for 11, items</p> <p>It is requested that Ward Vacuum Unit,Low flow ward Vacuum unit and Theatre Vacuum unit for OT should also be included in the list so that you get products of a good standard.</p>	Tender terms & conditions prevail
64	<p>On page 25 of TS,point no 15 where it is written that The following systems/items must be from the same principal company/Manufacturer.</p> <p>It is requested that Ward Vacuum Unit, Theatre suction Unit,Low flow Ward Vacuum unit should also be from the same manufacture so that there are no compromise on the Quality of the product and also there is no issue with the compatability among the products.</p>	Tender terms & conditions prevail
65	<p>It is also request that you should ask for Touch Screen Alarms , as this is the latest technology which the world is following and also it will give you a bigger display and historical data.</p>	Alarms shall be equipped with Touch Screen
66	<p>It is also request to extend the dates of the tender atleast by 15-20 days from the day of uploading of the amendments.</p>	Mentioned at the bottom of this amendment
67	<p>Volume-I, Pre-Qualification Criteria; Page no. 5 & 6, Clause no. 2.2, (ii) Experience of having successfully completed similar work during last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following :</p> <p>Three similar* completed works costing not less than the amount equal to 40% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>Two similar* completed works costing not less than the amount equal to 50% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>One similar* completed work costing not less than the amount equal to 80% of the estimated cost.</p> <p>*Similar nature of works means successful completion of supply, Installation, testing and commissioning of Medical Gas Manifold System in India.</p>	<p>The documentary proof will be a certificate from the consignee/end user with cross reference of order no. and date in the certificate for completion of work(s) must be submitted along with application.</p> <p>In case the end user certificate is from a private hospital, it should be supported with a proof for receipt of payment/LC document/ TDS certificate.</p>

	<p>We request the clause of the tender should be further clarified as following :</p> <p>“In case, the qualifying experience certificate is from Private sector/ Charitable Hospital, the vendor should submit the TDS certificate as a proof of having executed the said work.”</p> <p>We are enclosing herewith the snippets for your kind reference & duly marked at Page no. 1 to 5 from Government Agencies NBCC (India) Ltd. and Project Implementation Unit, Gujarat about the TDS Certificate, which is clearly defined.</p> <p>The TDS certificate should be of same value as supporting document which will prove the authenticity of Private work completed. There should not be any room that any bidder plays with the private works, therefore the TDS Certificate should be made mandatory for the justification of the order value against the experience of similar nature of work.</p>	<p>Own works/ Certification of agencies shall not be considered for prequalification.</p>
68	<p>Performance of the Company</p> <p>We request, to kindly ensure that the bidder who has executed the similar nature of work who has worked in Government Hospital through Government Agencies such as M/s HSCC (India) Ltd., M/s HLL Lifecare Ltd, UPRNN, NBCC etc., the performance of the company should be satisfactory.</p>	<p>Tender terms & conditions prevail</p>
69	<p>Volume-3, SCC, Page no. 12, 12.3 Bid Security, Document Fee and EMD are exempted for NSIC registered Firm.</p> <p>As you are aware, to promote Micro Small & Medium Enterprise, Government of India had given the facility of NSIC Certification to the manufacturing firm. This may please be noted that this clause is only applicable for manufacturing of goods in India and not for procurement of Imported goods. If we go through the tender Specifications, there are imported items such OT Light, Pendant etc.</p> <p>“In case, the qualifying experience certificate is from Private sector/ Charitable Hospital, the vendor should submit the TDS certificate as a proof of having executed the said work.” We are enclosing herewith the snippets for your kind reference & duly marked at Page no. 1 to 5 from Government Agencies NBCC (India) Ltd. and Project Implementation Unit, Gujarat about the TDS Certificate, which is clearly defined. We are also enclosing herewith</p>	<p>Document Fee and EMD is not exempted for procurement of Imported goods.</p>

	<p>M/s HSCC clarification papers taking the cognizance of this and had issued Amendment M/s HSCC MOT Shimla Tender.</p> <p>The TDS certificate should be of same value as supporting document which will prove the authenticity of Private work completed. There should not be any room that any bidder plays with the private works, therefore the TDS Certificate should be made mandatory for the justification of the order value against the experience of similar nature of work.</p> <p>We request this clause should be suitably amended so that NO Bidder could take undue advantage of NSIC Certification and all the bidders should be treated on single platform.</p>	
70	<p>Volume-III, Page no. SCC-38, Clause no. 21.0 Terms of Payment For purposes of estimating the contract value of works executed for certificate of payment, the following norms shall be followed:</p> <ol style="list-style-type: none"> 1) 65% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-data basis. 2) 25% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments on pro-data basis. 3) 10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client on pro-data basis. <p>We request, the payment terms should be amendmend as:</p> <ol style="list-style-type: none"> 1) 75% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-data basis. 2) 15% of BOQ contract rates on satisfactory take over certificate by M/s HSCC after Installation. 3) 10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client on pro-data basis. <p>Please appreciate, as soon as the work order is received , the contractor has</p>	<p>Payment Term</p> <p>70 % of the BOQ contract rates on delivery of equipments at site after inspection, passing and issue of dispatch clearance on pro-data basis.</p> <p>20% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments.</p> <p>10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client.</p>

	<p>to initiate necessary actions for successful execution of the work order. Among the very important, Contractor need to place order to the respective suppliers, LC opening etc and as soon as the material arrives, necessary payment has to paid to the supplier because supplier will not wait till the completion of the project. After delivering the finished goods to the site, by our experience, most of the sites are not ready for installation, such as civil work is not complete, hospital staff is not available etc etc. Without any fault of contractor, he need to wait for the payment till the supply, installation and commissioning work [as mentioned in tender]. Initial payment is the lifeline to the contractors, which gives relief up to some extent.</p> <p>You will appreciate GST tax regime has been implemented since 1st July 2017 by Govt. of India. With the implementation of this system vis-a-vis in current payment structure, most of the projects gets delayed or handing over not taken by the Hospital/Institute/Department; because of this the balance payment gets stuck for longer duration. This way the liquidity get blocked and input credit is lost.</p>	
71	<p>USFDA/European CE Certified with 4 digit notified body number or American ETL/UL Listed.</p> <p>We understand these certification means Imported, the place from where the goods are mined, cultivated, grown, manufactured, produced or processed and Outside India.</p> <p>Accordingly the certification of the product applies i.e. if it is UL Listed certification same shall be applicable to American Manufacturer only and European CE Certification same shall be applicable to European Manufacturer only. We request this criteria should be strictly applied and maintained.</p> <p>It is further requested that the European CE Certified/UL listed Criteria for NFPA-99 STANDARD or ANY OTHER STANDARD SHOULD BE "CERTIFICATION, WHEREVER APPLICABLE FOR ALL THE ITEMS of MEDICAL GAS".</p>	Tender terms & conditions prevail
72	<p>Page no. 1 & 2, 1.1 Fully Automatic Oxygen Control Panel (Imported): Control panel should have Alarm resetswitch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator.</p> <p>It is requested that Fully Automatic Oxygen Control Panel is defined as Automatic whereas at the bottom para it is mentioned "reset switch". Both</p>	"Control panel should have Alarm reset switch/Mute /acknowledgement switch tocontroland monitor the alarm indications by the operator" – Deleted for both

	<p>the statements are contradicting to each other. Once the system is Automatic the reset word does not apply. The system will be automatic.</p> <p>We request, "Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator" should be deleted.</p> <p>Page no. 9 & 10, 2.1 Fully Automatic Nitrous Oxide Control Panel (Imported): Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator.</p> <p>It is requested to Fully Automatic Nitrous Oxide Control Panel is defined as Automatic whereas at the bottom para it is mentioned "reset switch". Both the statements are contradicting to each other. Once the system is Automatic the reset word does not apply. The system will be automatic.</p> <p>We request, "Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator" should be deleted.</p>	<p>Oxygen and Nitrous Control panel.</p>
<p>73</p>	<p>Page no. 10, 3. Medical and Surgical Air System (Package Unit - Imported)</p> <p>- Variation of + 10% is missing</p> <p>It is requested to please appreciate throughout the world (Indian or Imported), the Models and the Capacity (LPM) of Air System are Pre-Defined by Manufacturers. Air System is not manufactured as per the requirement. Based on the Pre-Defined Air System, the Models are selected as per the requirement. Like in M/s HSCC (India) Ltd. Tender no. HSCC/SES/MGMS/2018 Amendment no. IV dated 02.02.2018 +5% variation is given and M/s HLL Tenders such as SIX AIIMS for MGPS etc, + 10% variation is given. This + 5% or 10% variation is mentioned for ease in procurement.</p> <p>We therefore request, the Air Compressor plant capacity should be defined with variation of + 10% and same should be as per Standard.</p>	<p>Air Compressor plant capacity with variation of + 10% and same should be as per Standard</p>

74	<p>Page no. 11, Stage 3: Bacteria filter for removing particles down to 0.01 micron.Purity should betested as per the American Pharmacopeia / European Pharmacopeia standard.</p> <p>We request the testing should be American Pharmacopeia/ European Pharmacopeia/Third Party such as TUV etc, will be more appropriate.</p>	Tender terms & conditions prevail
75	<p>Page no. 12, 3. Medical & Surgical Air System (Package Unit - Imported) 3.2 Vertical Air Receiver Capacity shall be atleast 50% (+ 5%)</p> <p>This is requested to see The Medical & Surgical Vertical Air Receiver as per Tender Specifications is atleast 50% (+ 5%). Please recall Tender no. HSCC/SES/MGMS /SSB/Shimla/2019, wherein as per Amendment-II dated 08.03.2019, it is mentioned "Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ISO-7396-1/EN/ DIN standards". The same is done AIIMS Jai PrakashNarayan Apex Trauma Center Medical Gas Pipeline tender.</p> <p>We therefore request the Vertical Air Receiver Capacity should be as per standard.</p>	Should be as per corresponding standards quoted by the bidder and to meet the system requirement.
76	<p>Page no. 12, 4. VACUUM SYSTEMS (Package unit – imported)- Variation of + 10% is missing</p> <p>It is requested to Please appreciate throughout the world (Indian or Imported), the Models and the Capacity (LPM) of Vacuum System are Pre-Defined by Manufacturers. Vacuum System is not manufactured as per the requirement. Based on the Pre-Defined Vacuum System, the Models are selected as per the requirement. Like in M/s HSCC (India) Ltd. Tender no. HSCC/SES/MGMS/2018 Amendment no. IV dated 02.02.2018 +5% variation is given and M/s HLL such as SIX AIIMS Tender no. HLL/PCD/PMSSY/AIIMS-II/14-RT-01/15-16 dated 31.12.2015 for MGPS etc, + 10% variation is given. This + 10% variation is mentioned for ease in procurement.</p> <p>We therefore request, the Vacuum plant capacity should be defined with variation of + 10% and same should be as per Standard.</p>	Vacuum plant capacity should be with variation of + 10% and same should be as per Standard

77	<p>Page no. 12, 4. VACUUM SYSTEMS (Package unit – imported) 4.4 Bacterial Filters</p> <p>It is requested to Bacteria Filters does not come in NFPA-99 Standard. The Bacteria Filter is in built in the vacuum system. Bacteria Filters comes in HTM Standard. We therefore request to kindly take a note of it and issue necessary amendment.</p>	Should be supplied as per relevant standard and standard will prevail.
78	<p>4. Vacuum System 4.2 Vertical Receiver Capacity shall be atleast 50% (+ 5%)</p> <p>It is requested to The Vacuum Receiver as per Tender Specifications is atleast 100% (+ 5%) of primary plant capacity. Please recall Tender no. HSCC/SES/MGMS /SSB/Shimla/2019, wherein as per Amendment-II dated 08.03.2019, it is mentioned "Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ISO-7396-1/EN/ DIN standards". The same is done AIIMS Jai Prakash Narayan Apex Trauma Center Medical Gas Pipeline tender.</p> <p>We therefore request the Vertical Air Receiver Capacity should be as per standard.</p>	Vertical Air Receiver Capacity should be as per standard.
79	<p>Page no. 10, 12, 3. Medical and Surgical Air System (Package Unit - Imported) and 4. VACUUM SYSTEMS (Package unit – imported)</p> <p>We understand this tender is like HITES PMSSY-IV Medical Gas Tenders. The Medical and Surgical Air System and Vacuum System plants are on higher side.</p> <p>The Medical and Surgical Air System plant should be 4000 LPM Primary and 1000 LPM as standby and similarly Vacuum System plant should be 3000 LPM as Primary and 3000 LPM as standby.</p> <p>We request you to kindly amend.</p>	Tender terms & conditions prevails.
80	<p>Page no. 14, 5. Ward Vacuum Units</p> <p>We request, Ward Vacuum Unit should be Imported European CE with 4 digit no./UL Listed for better quality product.</p>	Ward Vacuum Unit should be European CE with 4 digit no./UL Listed for better quality product.

81	<p>Page no. 14, 6. Theatre Vacuum Unit</p> <p>We request, Theatre Vacuum Unit should be Imported European CE with 4 digit no. /UL Listed for better quality product.</p>	<p>Theatre Vacuum Unit should be European CE with 4 digit no. /UL Listed for better quality product</p>
82	<p>Page no. 15, 8. DISTRIBUTION PIPING 8.1 Piping specifications</p> <p>We request the Medical Grade Copper Pipe should be Kite Mark. Here, Lloyd is 3rd party Inspection Agency whereas Kite Mark product and service quality certification mark which is owned and operated by the British Standards (BSI Group). It is a voluntary mark of manufacturers and service industries use to demonstrate safety and reliability. The product has been proven to meet the agreed high standard.</p>	<p>Tender terms & conditions prevails.</p>
83	<p>Page 25, 15. The following systems/items must be from the same principal company/Manufacturer:</p> <ul style="list-style-type: none"> a. Control Panels & Manifold for O2, N2O & CO2 b. Medical air plant c. Medical Vacuum Plant d. AGSS Plant e. Area & Master Alarm f. All types Outlets g. Oxygen flowmeter h. AVSU i. Line Isolation valves j. High Pressure tubes <p>As per clause 15, 10 items should be from same manufacturer. It is requested that these items should be as per same standard.</p> <p>This is totally resulting in restricting the competition so it should be deleted . The tenders from AIIMS [Copy enclosed of recently evaluated & AIIMS MGMS Jai Prakash Narayan, Delhi at Page 1 to 3], Ministry of Health and Family Welfare, M/s HSCC (India) Ltd. one of the biggest procurement agency, such a Clause of same principal is never there. We are also referring</p>	<p>These items should be as per same standard and major items (Air Compressor, Vacuum System Components such as Plant , Control Panel, Tank, Filter)should be from the same manufacturer” .</p>

M/s NBCC, UPRNN, PWD Haryana, Municipal Corporation of Greater Mumbai etc. this clause is never there in any Tenders. You can mention that Air Compressor, Vacuum System Components such as Plant , Control Panel, Tank, Filter from Single Source, otherwise it will lead to restrictions for bidders, so please, it is requested that it should be deleted.

Secondly, please appreciate worldwide, NO Single Manufacturer, Manufactures Complete Medical Gas Items. One Manufacturer Specialize in Certain Medical Gas Items and Second Manufacturer Specialize in other Medical Gas Items; by Combining together, bidders supply the Complete Medical Gas Items as per Standard. The same applies in other Medical Equipments.

For your kind information, as soon as we will send the MAF, to our foreign principal, he will straight away refuse to provide the same as they do no manufacture all the items. Out of the 10 items, some of these are sourced items from other manufacturers. The sourced items will not have European CE/UL Certified in the name of same manufacturer. You are well aware that that these things contradicts each other and are wrong. Please appreciate, No foreign principal will share any other kind of documentation to correlates the things. No other manufacture will issue certificate which contradicts with the Certification of these 10 items. Even if any bidder submit MAF from Foreign Principal for the desired 10 items, at the time of evaluation of the tender, will fails to provide the European CE/UL/ETL certification, because those certification belongs to other principal not principal manufacturer and will get straight away rejected or will be asked to provide the documents as per tender terms, which the bidder will not be able to provide. Keeping in view all these constraints M/s HITES in PMSSY-Phase-III Tender for Hospitals Getting Upgraded changed the Criteria through Clarification. Same is enclosed herewith at Page no. 4 ;AIIMS JPNATC deleted this criteria through corrigendum. Same is enclosed herewith at Page no. 2.

We also like to draw your kind attention that added Para "Certain items should be from the same manufacturer" will have cost implications. As you have mentioned in Paragraph of "Same principal company/Manufacturer"; you are very well aware that no one is manufacturer for all the 10 items. The principal company will procure equipments from original manufacturer thereby the Principal will add his margin and the bidder will add his margin. In this way the cost of item will escalate.

	<p>Sir, we have tried and explain the above from our years of experience. This clause is Added to restrict other bidders, in other words monopolistic. The criteria should be liberal enough so that equal opportunity for all bidders should be there, which results in more participation and ultimately better pricing to the Ex-Chequer. Also, we have never come across or nowhere in the CVC Guidelines or Govt. of India Procurement Policy, it is mentioned that all items should be from same principal. We have executed/ completed Super Speciality Safdarjung Medical Gas Pipeline Project and are presently executing PMSSY MGPS Projects in various hospitals in India, but never came across such clause. In one way Govt. of India is asking for Competitive pricing & equal opportunity to all and in other way restricting the bidder to submit competitive price.</p> <p>Therefore we strongly suggest that the Medical Gas Pipeline System must follow Single Standard; same is Understandable and acceptable.</p> <p>We therefore request you to kindly Amend the Added Para "Certain items should be from the same manufacturer".</p>	
84	<p>Page no. 25, 12. The Medical Gas Pipe Line System must follow Single Standard any one only from: NFPA 99c/HTM02-01/ ISO 7396-1/DIN/EN.</p> <p>As mentioned the products should of one standard only; kindly note rest of the medical gas items are Engineering Products. Items such as Ward Vaccum Unit, Theatre Vaccum Unit, Flowmeter with Humidifier bottle are Accessories and are not part of Medical Gas Pipeline System. The Standard applies from Pipe Distribution to Gas Outlets Worldwide and all the Companies, this methodology is adopted.</p>	Mentioned in the Page-1 of technical specification
85	<p>Technical specification : Page No. 15 Point no. 8 in Volume IV</p> <p>Anesthesia Gas Scavenging System (Imported)</p> <p>There is 2 different technologies i.e. Rotary Vane / Claw type mentioned in NIT specs which meets only NFPA99 guidelnes. Where as HTM/ISO allows "Blower" technology which is Oil Free produce better output with less energy consumption. Request you to please add "Oil Free Blower Technology".</p>	Tender terms & conditions prevail.

86	<p>Technical specification : Page No. 3 Point no. 1.4 in Volume IV</p> <p>Flow meter with Humidifier C. The flow meter body should be made of brass chrome plated materials.</p> <p>It is request to please add "Brass Nickle Chrome plated" along with "Brass Chrome plated."</p>	Tender terms & conditions prevail.
87	<p>The area alarm should have a digital display of pressures</p> <p>LED display of pressure is allowed under HTM standard. The main purpose of the alarms is to have an audio visual display in case pressure goes out of the prescribed limits So, LED display can be visualized from distance and helpful for the nursing staff. So, kindly allow it.</p>	Tender terms & conditions prevail.
88	<p>Technical specification : Page No. 14 Point no. 5 in Volume IV</p> <p>Ward Vacuum Units : Digital Suction Regulator</p> <p>It is requested for Analogue suction regulator is widely used in India and manufactured by all the reputed Indian Manufacturer. There is no additional advantage of having digital suction regulator. So, kindly allow analogue suction regulator</p>	Tender terms & conditions prevail.
89	<p>Technical specification : Page No. 14 Point no. 6 in Volume IV</p> <p>Low \Ward Vacuum Units : Digital Suction Regulator</p> <p>It is requested for Analogue suction regulator is widely used in India and manufactured by all the reputed Indian Manufacturer. There is no additional advantage of having digital suction regulator. So, kindly allow analogue suction regulator</p>	Tender terms & conditions prevail.
90	<p>Technical specification : Page No. 14 Point no. 5 in Volume IV</p> <p>Theatre Suction Trolley for OT : Digital Suction Regulator</p> <p>It is requested for Analogue suction regulator is widely used in India and manufactured by all the reputed Indian Manufacturer. There is no additional advantage of having digital suction regulator. So, kindly allow analogue suction regulator</p>	Tender terms & conditions prevail.

91	<p>Technical specification : Page No. 18 Point no. 13 in Volume IV</p> <p>Line Isolation Valves</p> <p>It is requested for Line Isolation Valves should be with copper stud pipes at both end at manufacture factory level. The metal to copper brazing should not be allowed at site. We request Isolationvalves shall be with copper stud pipes at both end and CE certified under Medical Directive as Class II from notified body.</p>	Tender terms & conditions prevail.
92	<p>Payment terms: Page no. 38 Point 21.1 in Volume III</p> <p>Payment terms are 65%, 25% and 10% as per tender terms</p> <p>It is request to payment terms to be 70%, 20% and 10%</p>	<p>Payment Term</p> <p>70 % of the BOQ contract rates on delivery of equipments at site after inspection, passing and issue of dispatch clearance on pro-data basis.</p> <p>20% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments.</p> <p>10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client.</p>
93	<p>Completeion Period: Page No.5 Point 1.2 in Volume I</p> <p>5 months from the date of order of commencement.</p> <p>It is requested to increase it to 9 months from the date of order of commencement.</p>	Tender terms & conditions prevails.

All other terms & conditions remain unchanged.

Sr. Chief General Manager -I, HSCC (I) Ltd.
For and behalf of Director, AIIMS, Raebareli