

**All Bidders****Amendment -IV**

Project: Supply, Installation, Testing & Commissioning of Modular Operation Theatres (MOTs) and Mid End Modular Operation Theatres at PGI Satellite Centre for PGIMER at Village Ghabdan, Sangrur

Tender No: HSCC/SES/MOT /PGI/SANGRUR/2020 dated: 14.02.2020

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.

<b>Sr. No.</b>	<b>Bidders' Queries</b>	<b>Reply</b>
1.	<p>MOT</p> <p>Ceiling Filtration System/ Laminar Air Flow System</p> <p>Filter Frames and top plenum should be made of AISI -304 Stainless Steel.</p> <p>Amendment request:</p> <p>Filter Frames and top plenum should be made of AISI-304 Stainless Steel/ Aluminium.</p> <p>Filter Frames and plenum can either be manufactured of SS 304/ Aluminium. You are requested to kindly amend the same.</p>	<p>Filter Frames and top plenum should be made of AISI-304 Stainless Steel/ Aluminium.</p>
2.	<p>MOT</p> <p>Ceiling Filtration System/ Laminar Air Flow System</p> <p>The filtration should have flow equalizer for uniform &amp; constant air distribution over the whole surface.</p> <p>Amendment request:</p> <p>The filtration should have flow equalizer/ Diffuser for uniform &amp; constant air distribution over the whole surface.</p>	<p>The filtration should have flow equalizer/ Diffuser for uniform &amp; constant air distribution over the whole surface.</p>

	<p>The filtration system shall be provided with diffuser instead of flow equalizer. You are requested to kindly amend the same.</p>	
3.	<p>MOT</p> <p>Surgeon Control Panel</p> <p>Temperature and Humidity Indicator should indicate temperature and humidity of the theatre and the digital shall be digital and bright and the height not less than 30mm. The temperature and Humidity controller should be connected to the Air Conditioning System.</p> <p>Amendment request:</p> <p>Temperature and Humidity Indicator should indicate temperature and humidity of the theatre and the display shall be digital and bright and the height not less than 30mm. The temperature and Humidity Indicator should be connected to Air Conditioning system for On/OFF operations.</p> <p>Temperature and Humidity Indicator will be connected to Air Conditioning System for On/Off operations instead of controlling it. Request you to kindly amend the same.</p>	Tender terms & conditions prevail.
4.	<p>MOT</p> <p>Recording System</p> <p>Recording system shall be offered separately. Recording system should be full HD monitor LCD 19" touch screen or more.</p> <p>Amendment request:</p> <p>Recording system shall be offered separately. Recording system should be full HD monitor LCD 32" touch screen or more.</p> <p>For better visibility, size of Recording System must be revised to 32" touch screen or more.</p>	Tender terms & conditions prevail.
5.	<p>MOT</p> <p>Recording System</p> <p><b>Points to be added:</b></p>	Tender terms & conditions prevail.

	<p>Surgeon Control Panel, Digital Display Panel and Recording System should be of same make.</p> <p>For better compatibility and connectivity, kindly add the lines “Surgeon Control Panel, Digital Display Panel and Recording System should be of same make”</p>	
6.	<p><b>MOT</b></p> <p><b>Turnkey Works</b></p> <p><b>To be deleted from the specifications:</b></p> <p>Interior decoration, air conditioning duct, furniture and other related works.</p> <p><b>Electrical cabling</b> of IS : 1554 standard and wiring as per IS : 732 standard from MDB (Single point source) to Electric Distributional Panel and to the corresponding load points</p> <ul style="list-style-type: none"> <li>• <b>Earthing system</b> of Control panel and other electrical instrument and accessories in the OT area <b>as per standard guidelines of BIS(Latest edition)</b>. All cable trenches and railings should be made wherever required.</li> </ul> <p>Providing fixing of <b>Electrical Gadgets</b> like ELCB, MCB, Light Points, Power points, in the Modular OT room. • Number of fans, power point, bulbs/tube light. Apart from these supplies to the individual equipments with ELCB &amp; MCB for Modular OT • Installation of MCB, ACB, ELCB &amp; OCB of Havell/Siemens/L&amp;T/Schneider etc for Control Panel for Modular OT.</p> <p>Ref. Turnkey works, our work is confined to minor cutouts, demolition minor reconstruction work only and not interior decoration, air conditioning duct, furniture and other related works.</p> <p>You are therefore requested to kindly delete the same from technical specifications of tender.</p>	Tender terms & conditions prevail.
7.	<p>Mid End OT</p> <p><b>Surgeon Control Panel</b></p>	Tender terms & conditions prevail.

	<p>Temperature and Humidity Indicator should indicate temperature and humidity of the theatre and the display shall be digital and bright and the height not less than 30mm. The temperature and Humidity controller should be connected to the Air Conditioning system.</p> <p>Amendment Request:</p> <p>Temperature and Humidity Indicator should indicate temperature and humidity of the theatre and the display shall be digital and bright and the height not less than 30mm. The temperature and Humidity Indicator should be connected to the Air Conditioning system for On/ OFF Operations.</p> <p>Temperature and Humidity Indicator will be connected to Air Conditioning System for On/Off Operations instead of controlling it. Request you to kindly amend the same.</p>	
8.	<p>Mid End OT</p> <p><b>11a) Anesthetic Pendant (Type-I)</b></p> <p>One swivel arm of 1000 mm and another of 800 mm. The swivel arms move only horizontally and the length in fully stretched position is <math>(1000+800) = 1800\text{mm} \pm 10\%</math></p> <p>Kindly add more Arm size also, i.e</p> <p>900 + 800 mm / 1000mm + 800mm / 900mm + 900mm / 800mm + 800mm</p> <p>The size mentioned on 1000mm + 800mm is fixed type. Kindly add variation in the size of pendant as mentioned.</p>	Tender terms & conditions prevail.
9.	<p>Mid End OT</p> <p><b>Anesthetic Pendant (Type-II)</b></p> <p>One swivel arm of 1000 mm and another of 800 mm.</p> <p>The swivel arms move only horizontally and the length in fully stretched position is <math>(1000+800) = 1800\text{mm} \pm 10\%</math></p>	Tender terms & conditions prevail.

	<p>Kindly add more Arm size also, i.e</p> <p>900 + 800 mm / 1000mm + 800mm / 900mm + 900mm / 800mm + 800mm</p> <p>The size mentioned on 1000mm + 800mm is fixed type. Kindly add variation in the size of pendant as mentioned.</p>	
10.	<p>Mid End OT</p> <p><b>Surgeon Pendant (Type-1)</b></p> <p>Should have atleast 3 shelves of minimum 750mm size</p> <p>Should have atleast 3 shelves of minimum 750mm / 400 x 300 mm size</p> <p>The size of shelf mentioned is fixed type and not available with all the manufacturers. Request you to kindly amend the same.</p>	Size Shelf may vary.
11.	<p>Mid End OT</p> <p><b>Surgeon Pendant (Type-1)</b></p> <p>One swivel arm of 1000 mm and another of 800 mm.</p> <p>The swivel arms move only horizontally and the length in fully stretched position is (1000+800) = 1800mm±10%</p> <p>Kindly add more sizes also, i.e</p> <p>900 + 800 mm / 1000mm + 800mm / 900mm + 900mm / 800mm + 800mm</p> <p>The size mentioned on 1000mm + 800mm is fixed type. Kindly add variation in the size of pendant as mentioned.</p>	Tender terms & conditions prevail.
12.	<p><b>Mid End OT</b></p> <p><b>Surgeon Pendant (Type-II)</b></p> <p>One swivel arm of 1000 mm and another of 800 mm.</p> <p>The swivel arms move only horizontally and the length in fully stretched position is (1000+800) = 1800mm±10%</p>	Tender terms & conditions prevail.

	<p>Kindly add more Arm size also, i.e</p> <p>900 + 800 mm / 1000mm + 800mm / 900mm + 900mm / 800mm + 800mm</p> <p>The size mentioned on 1000mm + 800mm is fixed type. Kindly add variation in the size of pendant as mentioned.</p>	
13.	<p>Mid End OT</p> <p><b>Surgeon Pendant (Type-II)</b> Should have atleast 3 shelves of minimum 750mm size</p> <p>Should have atleast 3 shelves of minimum 750mm / 560 mm x 460 mm size</p> <p>The size of shelf mentioned is fixed type. Request you to kindly amend the same. The same is considered in Amendment No. II for Anesthesia Pendant.</p>	Size of shelf may vary.
14.	<p><b>Mid End OT</b></p> <p><b>Hatch Box</b></p> <p>610mmx610mm size</p> <p>Amendment request:</p> <p>600 mm x 600 mm size</p> <p>The size of Hatch Box mentioned is not as per standard requirement for MOT's. You are requested to kindly amend the same to "600 mm x 600mm"</p>	600 mm x 600 mm size
15.	<p>Mid End OT</p> <p><b>Turnkey Works</b></p> <p><b>To be deleted from the specifications:</b></p> <p>interior decoration, air conditioning duct, furniture and other related works.</p> <p><b>Electrical cabling</b> of IS : 1554 standard and wiring as per IS : 732 standard from MDB (Single point source) to Electric Distributional Panel and to the corresponding load points</p>	Tender terms & conditions prevail.

	<p>• <b>Earthing system</b> of Control panel and other electrical instrument and accessories in the OT area <b>as per standard guidelines of BIS(Latest edition)</b>. All cable trenches and railings should be made wherever required.</p> <p>Providing fixing of <b>Electrical Gadgets</b> like ELCB, MCB, Light Points, Power points, in the Modular OT room. • Number of fans, power point, bulbs/tube light. Apart from these supplies to the individual equipments with ELCB &amp; MCB for Modular OT • Installation of MCB, ACB, ELCB &amp; OCB of Havell/Siemens/L&amp;T/Schneider etc for Control Panel for Modular OT.</p> <p>Ref. Turnkey works, our work is confined to minor cutouts, demolition minor reconstruction work only and not interior decoration, air conditioning duct, furniture and other related works.</p> <p>You are therefore requested to kindly delete the same from technical specifications of tender.</p>	
16.	<p>Minor OT</p> <p><b>Swing Door</b></p> <p>Totally flush with the wall panels</p> <p>Amendment request:</p> <p>Flush at one end only</p> <p>Kindly amend the same</p>	Flushed at one end only
17.	<p>Minor OT</p> <p><b>Hinged Door</b></p> <p>Totally flush with the wall panels</p> <p>Amendment request:</p> <p>Flush at one end only</p> <p>Kindly amend the same</p>	Flushed at one end only
18.	<p>Minor OT</p> <p><b>Distribution Board Electrical Wiring,</b></p>	Tender terms & conditions prevail.

	<p><b>Conduiting With Fixtures Inside The Operation Theatre</b></p> <p>Transformers, Mains, Relays, Circuit protective equipment, for all circuits of Operation theatre shall be installed in the remote cabinet.</p> <p>Amendment request:</p> <p>Mains, Relays, Circuit protective equipment, for all circuits of Operation theatre shall be installed in the remote cabinet.</p> <p>Transformers are not installed in Electrical Distribution Panel for OT's. You are requested to kindly delete the same. This clause is considered in MID End and Modular OT's as per Amendment No. II. Request you to kindly consider the same in Minor OT also.</p>	
19.	<p><b>Minor OT Turnkey Works</b></p> <p><b>To be deleted from the specifications:</b></p> <p>Interior decoration, air conditioning duct, furniture and other related works.</p> <p><b>Electrical cabling</b> of IS : 1554 standard and wiring as per IS : 732 standard from MDB (Single point source) to Electric Distributional Panel and to the corresponding load points</p> <p>Providing fixing of <b>Electrical Gadgets</b> like ELCB, MCB, Light Points, Power points, in the Modular OT room. • Number of fans, power point, bulbs/tube light. Apart from these supplies to the individual equipments with ELCB &amp; MCB for Modular OT • Installation of MCB, ACB, ELCB &amp; OCB of Havell/Siemens/L&amp;T/Schneider etc for Control Panel for Modular OT.</p> <p>Ref. Turnkey works, our work is confined to minor cutouts, demolition minor reconstruction work only and not interior decoration, air conditioning duct, furniture and other related works.</p> <p>You are therefore requested to kindly delete the</p>	Tender terms & conditions prevail.



	same from technical specifications of tender.	
20.	<p>HVAC  <b>Tender BOQ –  OT AHUs</b></p> <p>Planning, Design, Supply, installation, testing and commissioning of sheet metal sectionalized construction draw thru type in double skin construction. Each Air Handling Units shall be with pre and fine filter section with pre and fine filters, mixing chamber, minimum 2 bend PVC eliminators, chilled water cooling coil, hot water coil (AHRI/ Eurovent certified) of copper tube &amp; Al fins construction, squirrel cage induction motor with VFD starters (IP-54/55) with bypass starter mounted on AHU/wall for supply and return air fans, motor efficiency class IE-3 suitable for 415+/- 10% V, 50 Hz 3 Phase AC supply suitably designed for variable frequency drives. Backward curved plug type direct driven supply air and return air fans. fine filters section, suitable pan type humidifier with humidifier section, suitable vibration isolation arrangement.</p> <p>Amendment request:</p> <p>Planning, Design, Supply, installation, testing and commissioning of sheet metal sectionalized construction draw thru type in double skin construction. Each Air Handling Units shall be with pre and fine filter section with pre and fine filters, mixing chamber, minimum 2 bend PVC eliminators, chilled water cooling coil, hot water coil (AHRI/ Eurovent certified) of copper tube &amp; Al fins construction, squirrel cage induction motor <b>with starter</b> with bypass starter mounted on AHU/wall for supply and return air fans, motor efficiency class IE-3 suitable for 415+/- 10% V, 50 Hz 3 Phase AC supply suitably designed for variable frequency drives. Backward curved <b>belt and pulley driven</b> supply air and return air fans. fine filters section, suitable vibration isolation arrangement.</p> <p>Kindly amend VFD starters to starters only, since the AHU's installed in Modular OTs are required with constant CFM (Air Flow),</p>	Tender terms & conditions prevail.

	<p>however incase of VFD Starters, Air flow Flow changes by the VFD. Hence, it needs amendment.</p> <p>Please note in plug type Fan, motor and Fan is a single unit, incase of faulty, complete needs to replaced, however in case of Backward curved fan with Pully and belt driven, incase of motor is faulty, only motor needs to replaced.</p> <p>PAN Type humidifiers are not recommended for Plain Areas as it is only required for Hilly Areas, where humidity is low. Kindly make necessary amendment.</p>	
21.	<p>HVAC</p> <p><b>Fan Section</b></p> <p>The fan shall be selected for a fan speed not exceeding 1000 rpm for fan dia of more than 350 mm and fan outlet velocity shall not exceed 1800 fpm.</p> <p>Amendment request:</p> <p>The fan shall be selected for a fan speed, have optimum fan selection for fan dia of more than 350 mm and fan outlet velocity shall not exceed 1800 fpm.</p> <p>Fan Speed may impact the size of AHU. If Fan Size increases, AHU size will increase around 1.5 times and may take more space. Hence it should be deleted.</p>	Tender terms & conditions prevail.
22.	<p>HVAC</p> <p><b>List of Approved Makes</b></p> <p><b>Air Handling Unit</b> - Carrier / Caryaire /ZECO / System air /VTS / Flaktwood / Unique /Waves / Edgtech</p> <p>Amendment request:</p> <p><b>Air Handling Unit</b> - Carrier / Caryaire /ZECO / System air /VTS / Flaktwood / Unique /Waves / Edgtech/ Ravi Aircon</p> <p>Kindly add one more reputed makes for the</p>	Tender terms & conditions prevail.

	AHU's , i.e Ravi Aircon	
23.	You are therefore once again requested to kindly consider the above changes for amendment and issue corrigendum along with time extension for at least 7 -10 working days from the date of amendment.	Last date of submission is extended to 20.03.2020.
24.	<p>Volume-II, Page 18, GCC Clause 21.0 Insurance of Works and Contractor's Equipment &amp; elsewhere in the tender</p> <p>The Contractor shall, without limiting his or the Employer's obligations and responsibilities under Clause 21.1 (a) to (b), insure:</p> <p>We request, the insurance of works and contractor's equipment should be upto Final Acceptance Certificate (FAC) only. Please appreciate once all the BOQ Items are received, installed, commissioned &amp; tested before you/end user, the insurance should end here. After FAC, the Defect Liability Period/warranty period starts which is guaranteed by bidder for its performance and against any manufacturing defect. During DLP/ warranty period the bidder shall rectify/replace the equipment without any cost for smooth functioning.</p> <p>In other words, Erection All Risks (EAR) Insurance can be provided upto FAC.</p> <p>So, we request the insurance should be upto Final Acceptance Certificate only and not beyond it.</p>	Tender terms & conditions prevail.
25.	<p>Volume-I, Pre-Qualification Criteria; Page no. 5 &amp; 6, Clause no. 2.2</p> <p>(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</p>	Tender terms & conditions prevail.

	<p>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>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 &amp; 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. Please refer to M/s HSCC Shimla Tender clarification papers taking the cognizance of this and had issued Amendment.</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>Kindly refer to HSCC AIIMS Rajkot Tender Page 3 Sr. 3, Minimum Eligibility Criteria</p> <p>"iii) The past experience in similar nature of work should be supported by certificates issued by the client's organisation. In case the work experience is of Private sector the completion certificate shall be supported with copies of Letter of Award and copies of Corresponding TDS Certificates. Value of work will be considered equivalent to the amount of TDS Certificates."</p> <p>We therefore request to kindly clarify regarding private works.</p>	
26.	Volume-III, Page no. 38 & 39 SCC Clause no.	1) 70% of the BOQ contract

	<p>21.0 Terms of Payment</p> <p>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"> <li>1) 70% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-rata basis.</li> <li>2) 20% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments.</li> <li>3) 10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client.</li> </ol> <p>We had submitted our request earlier also regarding the payment terms, where in Amendment-II you have not considered our request. We are re-submitting our request:</p> <p>Please appreciate, as soon as the work order is received , the contractor has to initiate necessary actions for successful execution of the work order. Among the very important, Contractor need to place order to the respective suppliers along with 100% payment because supplier will not wait till the completion of the project. Here it is worthwhile to say that contractor do not get 75% payment as 5% amount gets hold for Security from Running Bill; 1% towards Labour Cess; 10% towards Performance Bank Guarantee, 12% towards GST &amp; in case of delay in supply liquidated damages. After going through all this in the netshell a contractor gets approximately 50% amount at the initial stage. It is just a eye wash that 70% payment will be released on pro-rata basis. Initial payment is the lifeline to the contractors, which gives relief up to some extent.</p> <p>With regard to 20% payment, please be noted that commissioning and taking over has no difference. After commissioning by our experience, most of the sites are not ready for handover such as civil work is not complete, hospital staff is not available etc etc. Without</p>	<p>rates on delivery of equipments at site after inspection and passing on pro-rata basis.</p> <ol style="list-style-type: none"> <li>2) 20% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments.</li> <li>3) 10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client.</li> </ol>
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	<p>any fault of contractor, he need to wait for the payment till the handing over takes place. Therefore this payment should be at the time of erection, installation. We therefore request, the payment terms should be;</p> <p>1) 75% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-data basis.  2) 20% of BOQ contract rates on satisfactory installations by M/s HSCC.  3) 5% 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>	
27.	<p>Volume-I, Pre-Qualification Criteria; Page no. 5 &amp; 6, Clause no. 2.2</p> <p>Amendment no. V dated 01.03.2019</p> <p>(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.  or  Two similar* completed works costing not less than the amount equal to 50% of the estimated cost.  or  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 &amp; commissioning of Modular Operation Theatres &amp; AHU.</p> <p>We are surprised you have not included AHU in similar works.</p> <p>Sir based on some in-experienced bidder; you have not included "AHU" from similar work. You would appreciate 25% of the cost of the tender is of AHU. AHU is most important part of MOT. AHU is a central air conditioner</p>	Tender terms & conditions prevail.

	<p>station that handles the air that, usually, supplied into the buildings by the ventilation ductwork (connected to the AHU).</p> <p>Therefore for better planning, execution, ducting, co-ordination, completion and after sales service; Single Vendor for MOT &amp; AHU is appropriate, so that there shouldn't be any blame game later on when the fault/problem occurs. It will be the responsibility of single vendor.</p> <p>Please appreciate, Post Graduate Institute is one of India's Premier Government Institute. It will be a hassle free work on being a Single Vendor for MOT &amp; AHU.</p> <p>We therefore earnestly request M/s HSCC to kindly Amend and clarify that "Similar nature of works means successful completion of Supply, Installation, Testing &amp; commissioning of Modular Operation Theatres &amp; AHU" or else delete the AHU work from the tender if M/s HSCC do not term it as Similar nature of Work.</p>	
28.	<p>Common</p> <p>Estimated Cost Rs. 6.64 Crore.</p> <p>Kindly refer to Amendment-II, most of the amendment are related to Imported material which will escalate the estimated cost of the tender and on top there is AHU and Ducting work.</p> <p>We request to kindly increase the estimated cost of the tender by atleast 25%.</p>	Tender terms & conditions prevail.
29.	<p>Common</p> <p>Amendment-II Dated 09.03.2020 Tender Submission : 13.03.2020</p> <p>Please appreciate, you have incorporated/clarified too many changes in commercial &amp; technical part of the tender. The technical changes are directly related to foreign principal/manufacturer; we request kindly also give us time for discussions with our foreign manufacturer/principal for taking cognizance of the changes. Giving just 1 or 2 days are not sufficient as the amendment done will directly</p>	Last date of bid submission is extended till 20.03.2020.

	<p>effect the pricing part.</p> <p>We therefore request to kindly extend the tender submission date for atleast 1 week i.e. upto 20.03.2020, enabling us to submit competitive bid.</p>	
30.	<p>Page 6</p> <p>9. Surgeon Control Panel</p> <p>Please refer to the Amendment-II, item 21, "The Control Panel should comprise of following services in addition to Instruction board, Communication interfaces audio only".</p> <p>Kindly appreciate; any additional feature will lead to escalation of estimated cost. Already the budget allotted for the tender is on the lower side, we request these lines should be deleted to avoid further escalation.</p>	Tender terms & conditions prevail.
31.	<p>Page 7</p> <p>10. a. Equipment Boom System with boom suspension Surgeon Pendant- Double Arm</p> <p>Modular OT &amp; Mid End OT</p> <p>Kindly refer to the Amendment-II, Point 27 &amp; 68, Service of Service Head Coloumn: You have mentioned that the service coloumn should be minimum 1500 mm or above to accommodate Gas outlets and electricals.</p> <p>We request the service coloumn should be 1000 mm as it sufficient to meet the requirement. Please be noted that there are Vacuum Outlet x 2, Surgical Air (7 bar) outlet x2, CO2 outlet x 1 and 10 no. of standard duplex conditioned antibacterial Electrical switch and sockets 5/15Amps.</p> <p>If we take the length to 1500 mm it will be difficult to rotate the pendant in horizontal movement and it may hit the head &amp; chances are that an accident could occur. Therefore 1000 mm length is sufficient to meet the requirement. We are enclosing herewith drawing for your ready reference at Page 1.</p>	Service head column should be 1000 mm or above to accommodate Gas outlets and electrical.



	<p>We request to kindly amend the service head to 1000 mm.</p> <p>Secondly, kindly refer to the Amendment-II, point 27, item 4, Pendant 4) Pendant should have Anti-microbial Coating /Power coating." We assume it is typographical error it should be "Powder Coating"</p>	<p>Secondly Pendant should have Anti-microbial Coating / Power coating. In case of Antimicrobial coating, it shall also be coated through powder coating.</p>
<p>32.</p>	<p>Page 8</p> <p>c. Anaesthesia System (Double Arm)</p> <p>Modular OT &amp; Mid End OT</p> <p>Kindly refer to the Amendment-II, point 29 &amp;75, Service of Service Head Coloumn: You have mentioned that the service coloumn should be minimum 1500 mm or above to accommodate Gas outlets and electricals.</p> <p>We request the service coloumn should be 1000 mm as it sufficient to meet the requirement. Pleas be noted that there are Oxygen Outlets– 4, Nitrous Oxide Outlet - 2, Medical Air(4 bar) Outlet– 2, Vacuum Outlets– 4 AGSS-1 and Electrical Sockets –10 nos. Shelf with two rails one on each side – 2 no. Monitor input &amp; Output – 1no. Infusion pump pole – 1 IV pole with hooks – 1 RJ 45 /cat 5 for telephone communication and RJ 45 / cat 6 for data communication.</p> <p>If we take the length to 1500 mm it will be difficult to rotate the pendant in horizontal movement and it may hit the head &amp; chances are that an accident could occur. Therefore 1000 mm length is sufficient to meet the requirement. We are enclosing herewith drawing for your ready reference at Page 2.</p> <p>We request to kindly amend the service head to 1000 mm.</p> <p>Secondly, kindly refer to the Amendment-II, point 27, item 4, Pendant 4) Pendant should</p>	<p>Service head column should be 1000 mm or above to accommodate Gas outlets and electrical.</p> <p>Secondly Pendant should have Anti-</p>

	<p>have Anti-microbial Coating /Power coating." We assume it is typographical error it should be "Powder Coating"</p>	<p>microbial Coating / Power coating. In case of Antimicrobial coating, it shall also be coated through powder coating.</p>
33.	<p>Page 8 &amp; 9</p> <p>b) EXTRA (Type –II) SURGEON PENDANT (Optional)</p> <p>Mid End Modular OT Surgeon Pendant (Type-II)</p> <p>Kindly refer to the Amendment-II, point 73, The arms may be fitted with Electromagnetic brakes to prevent inadvertent movement".</p> <p>In all the Pendants, whether it is Modular OT or Mid End OT, you have mentioned Electromagnetic brakes/Pneumatic Brakes. Then why only electromagnetic brakes here.</p> <p>It seems it is typographical error, we request you to kindly make it electromagnetic/Pneumatic brakes, applicable for all the bidders.</p>	<p>Electromagnetic/Pneumatic brakes,</p>
34.	<p>Page 12 &amp; 13</p> <p>OT Light (LED)</p> <p>Modular OT &amp; Mid End OT</p> <p>Kindly refer to the Amendment-II, Point 40 &amp; 80: Light head diameter 30-35/800mm x 720 mm of size/679x708 mm</p> <p>Our Submission: "30-35/800mm×720mm of size / 679 x 708 mm" size is meaningless in amendment. If you wish to amend, we request to kindly define range 800 mm to 650 mm, for ease to all the bidders.</p>	<p>Light head diameter 30-35/650-800mm x 720 mm of size/679x708 mm</p>
35.	<p>Page 13</p> <p>Camera System</p> <p>Modular OT &amp; Mid End OT</p>	<p>3.0 W to 12 W</p>

	<p>Kindly refer to the Amendment-II, Point 43, 44, 83, 84:</p> <p>As per amendment, Power Supply: Through Light / max. 4.8 W, 84to 12W.</p> <p>We request it should 3.0 W to 12 W; as on lower watt also it works &amp; for ease to all the bidders.</p> <p>As per amendment, Video Output : Video Output : HDSDI, DVI, Y/C, F-BAS(PAL /NTSC)</p> <p>We request it should be HDSDI, as DVI, Y/C, F-BAS(PAL /NTSC) are outdated.</p>	<p>Tender terms &amp; conditions prevail.</p>
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All other terms & conditions remain unchanged.

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