

All Bidders

**Amendment-II**

Subject: Execution including Design, Supply, Installation, Testing & Commissioning of Special Services at Advance Neuroscience Centre, PGIMER-Chandigarh on Turnkey Basis

Tender No: HSCC/SES/ANS/PGIMER/2023 Date: 03.07.2023

This has reference to above tender.

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><b>Profit/loss:</b> The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive financial years ending FY-2021-22. Balance sheet (balance sheet in case of private/public limited company means its standalone financial statement and consolidated financial statement both), duly audited by the Chartered Accountant.</p> <p>Request for Amendment</p> <p><b>Profit/loss:</b> The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive financial years ending FY-2021-22. Balance sheet (balance sheet in case of private/public limited company means consolidated financial statement), duly audited by the Chartered Accountant.</p> <p>Please be informed that standalone financial statement is applicable for JV's / Subsidiaries / Associates companies. Hence, we request you to kindly delete the clause of "standalone financial statement" from the tender to avoid any confusion at a later date.</p>	Tender terms & conditions prevail.
2.	<p>Form "H"- Affidavit / Undertaking for engaging specialized agencies.</p> <p>Request for Amendment</p> <p>Form -H may please be deleted from the tender.</p>	Tender terms & conditions prevail.

As per prequalification condition of tender, Turnover and Work Experience of the Bidder will only be considered, however as per Form 'H'- the said condition is mentioned.

For Specialized works:

(i) Average Annual Financial Turnover during the last three financial years, i.e. FY-2019-20, 2020-20 & 2021-22, should be at least 50% of the estimated price of the works.

(ii) Experience of having successfully completed similar specialized works during last 7 years ending previous day of last date of submission of tenders should be either of the following:

(a) Three similar works each of value not less than 40% of the estimated cost put to tender

or

(b) two similar works each of value not less than 60% of the estimated cost put to tender

or

(C) one similar work of value not less than 80% of the estimated cost, put to tender, all amounts rounded off to a convenient figure.

Please be informed that the Form- H is in contradiction with the Work Experience and Turnover asked in the tender.

For what reason, turnover and performance of specialized agencies is asked in the tender, when the PQ for bidder is already mentioned.

Further tender estimate of each service is not mentioned, hence on what ground Experience will be evaluated.

We request you to kindly delete the said Undertaking from the tender, since tender is quoted by the bidder and their experience / turnover is already considered in the pre-qualification condition.

<p>3.</p>	<p><b>Volume: IV - Technical Specification Modular Operation Theatre</b></p> <p><b>TOUCH SCREEN CONTROL PANEL 20” or more</b></p> <p>h) Temperature and humidity control for the room connected to the AHU. (Adjustable from the panel) The controller should be capable of adjusting the temp adjustment of +/- 5 Deg with in 5Minutes wherever separate AHU is provided for each OT "</p> <p>Request for Amendment</p> <p>Temperature and humidity control for the room connected to the AHU. (Adjustable from the panel).</p> <p>Temperature and humidity control adjustment of +/- 5 Deg within 5 Minutes is not possible.</p> <p>It depends upon other dependancies like AHU, HVAC System and BMS System are efficient. Surgeon Control Panel can only show the display and can control based on the capacity and performance of AHU and Chiller along with BMS. Hence, we request for amendment.</p>	<p>Tender terms &amp; conditions prevail.</p>
<p>4.</p>	<p><b>Double Arm Moveable Pendant for Surgeon</b></p> <p>Request for Amendment</p> <p>Shelf – 3 Nos or more with two rails one on each side for hanging arrangement.</p> <p>Size of Shelf varies from one manufacturer to other, hence we request you to kindly delete the size mentioned for only Surgeon Pendant.</p>	<p>Tender terms &amp; conditions prevail.</p>
<p>5.</p>	<p><b>TECHNICAL SPECIFICATION OF MINOR OT HINGE DOOR –Double leaf door- SS-304 Both way opening- Size-2100 x 1500mm</b></p> <p>Both way opening double leaf door of 44 mm thick door shutters made with 0.8mm thick double skinned SS-304 sheets on both sides</p> <p>Request for Amendment</p> <p><b>HINGE DOOR –Double leaf door- SS-304 One way opening- Size-2100 x 1500mm</b></p>	<p>Tender terms &amp; conditions prevail.</p>

	<p><b>One</b> way opening double leaf door of 44 mm thick door shutters made with <b>0.5- 0.8 mm</b> thick double skinned SS-304 sheets on both sides</p> <p>One way Opening may please be considered instead of Both ways opening.</p> <p>One way Opening may please be considered instead of Both ways opening.</p> <p>Thickness of SS 304 may please be modified to 0.5 mm thick SS 304</p>	
6.	<p><b>HINGED DOOR –Single leaf door-SS-304 - Size-2100 x 1000mm</b></p> <p>0.8mm thick double skinned SS-304 sheets on both sides</p> <p>1.2 mm thick GPSP powder coated door frames</p> <p>Request for Amendment</p> <p>0.5 - 0.8mm thick double skinned SS-304 sheets on both sides</p> <p>2.5/1.2 mm thick Al/GPSP powder coated door frames</p> <p>Thickness of SS 304 may please be modified to 0.5 mm thick SS 304 Hinge Door comes with Aluminum Frame instead of GPSP powder coated. You are requested to kindly amend the same.</p>	As per Amendment -I
7.	<p><b>PERIPHERAL LIGHT</b></p> <p>Highly spectacular anodized Aluminum reflectors and optical antiglare system.</p> <p>The reflectors should be of high quality, cleanable and non-deteriorating.</p> <p>Request for Amendment</p> <p>We request you to kindly delete the same from the tender. Since the Peripheral Lights are LED based, it does not required reflectors. You are requested to kindly delete this line from tender specifications.</p>	Al reflector - Deleted
8.	<p><b>OT Light</b></p> <p>Operating Room Surgical Lighting System should provide an ideal combination of brightness, Maneuverability, and</p>	Operating Room Surgical Lighting System should provide an ideal

	<p>shadow resolution without sacrificing color accuracy through a consistent LED technology with a unique faceted reflector design technology Light head Diameter: 30-35/ 800mm × 720mm of size</p> <p>Request for Amendment</p> <p>Operating Room Surgical Lighting System should provide an ideal combination of brightness, Maneuverability, and shadow resolution without sacrificing color accuracy through a consistent LED technology with a unique faceted reflector design technology / <b>multi lens matrix design technology</b> Light head Diameter : 30-35/ 800mm × 720mm of size / 500 mm</p> <p>The technology used in OT Light may vary from one manufacturer to other. We request you to kindly add “<b>multi lens matrix design technology</b>” also.</p> <p>The size of Light Head diameter mentioned is company specific. You are requested to kindly add size: 500 mm also</p>	<p>combination of brightness, Maneuverability, and shadow resolution without sacrificing color accuracy through a consistent LED technology with a unique faceted reflector design technology / multi lens matrix design technology</p>
9.	<p><b>TECHNICAL SPECIFICATION OF MEDICAL GAS PIPELINE SYSTEM</b></p> <p><b>Fully Automatic Oxygen Control Panel</b> The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute.</p> <p>Request for Amendment</p> <p>To be deleted from the technical specification of tender.</p> <p>This paragraph is contradicting with tender BOQ and Flow rate mentioned in the tender. In case you require additional Control panel, same should be added in tender BOQ as it is invalid to ask for additional Control Panel in the cost of 1 no. Control Panel as mentioned in tender BOQ. Kindly delete this paragraph from technical specifications of tender documents.</p>	<p>Tender terms &amp; conditions prevail.</p>
10.	<p><b>LIQUID MEDICAL OXYGEN STORAGE TANK</b></p> <p>Product: The liquid medical oxygen (LMO) supplied at site should be of IP grade. The LMO supplied should comply with all relevant SMPV regulations and standards</p>	<p>Tender terms &amp; conditions prevail.</p>

	<p>under the preview of the Indian Drugs and Cosmetic Act rules. They should also satisfy the IP 2007 specifications.</p> <p>Request for Amendment</p> <p>To be deleted from the technical specification</p> <p>Since filling of Gas is not in the scope of MGPS Bidder in the LMO tank, hence we request you to kindly delete the said information from the technical specification of the tender, which is irrelevant for LMO tank supplier.</p>	
11.	<p><b>Fully Automatic</b></p> <p><b>Nitrous Oxide Control Panel</b></p> <p>The Automatic Control Panel should be installed in such a way to meet the peak flow requirement of the Hospital/Institute.</p> <p>Ref. Medical Gas Pipeline System Modular Operation Theatre</p> <p>Request for Amendment</p> <p>To be deleted from the technical specification To be deleted from the technical specification of tender. Please clarify and confirm the following:</p> <ol style="list-style-type: none"> <li>1) Whether Chinese make products are allowed to be quoted for Medical Gas Pipeline System or not.</li> <li>2) Whether Turkey make products for MGPS are acceptable for this tender.</li> <li>3) Whether Taiwan make products are allowed for Monitor in Modular OT or not.</li> </ol>	Tender terms & conditions prevail.
12.	<p><b>Responsibility of Bidder</b></p> <p>Bidder shall be responsible for free maintenance of all component of Gas pipeline system during warranty period including all filters &amp; consumables.</p> <p>Request for Amendment</p> <p>Kindly delete “including all filters &amp; consumables”.</p>	Tender terms & conditions prevail.

	<p>Consumables are those accessories which are consumed as per client usage / requirement and it is invalid to add the cost of consumable items like filters and other consumables in bidder scope, since actual requirement can't be / measured / considered at the time of tender. Hence the same must be deleted from bidders responsibility. However the same can be procured through bidder on chargeable basis by hospital as and when required.</p>	
13.	<p>Joining of MGPS should be done to meet the peak flow requirement with suitable back up arrangements for all services, if required</p> <p>Request for Amendment</p> <p>Joining of MGPS should be done to meet the peak flow requirement as per BOQ of tender.</p> <p>Back up arrangements for all services, if required should be clearly specified in the BOQ of tender, as it is on extra cost. Please clarify and confirm.</p>	Tender terms & conditions prevail.
14.	<p><b>TECHNICAL SPECIFICATION OF PNEUMATIC TUBE TRANSPORT SYSTEM</b></p> <p><b>LINE TRANSFER ZONE / LINEAR COUPLER:</b></p> <p>Request for Amendment</p> <p>d. Should be able to accommodate multiple carriers within the Line Transfer Zone Mechanism, so as to prevent stacking of carriers within the incoming lines.</p> <p>Should be able to accommodate carrier within the Line Transfer Zone Mechanism, so as to prevent stacking of carriers within the incoming lines No company / firm can store multiple carriers in each line. Each line is just dedicated to transport one carrier at the same time. Hence we request you to kindly delete the word “multiple” to avoid any confusion at a later date.</p>	Tender terms & conditions prevail.
15.	<p><b>SIDE CHANNEL BLOWER WITH SPEED CONTROL (VFD)</b></p> <p>a) Independent Blowers of maximum power consumption of 5.5/6 KW, 3-phase 400v/50Hz each, low noise</p> <p>Request for Amendment</p>	Tender terms & conditions prevail.

	<p>a) Independent Blowers of maximum power consumption of <b>4 KW</b>, must <b>equipped with VFD</b> 3-phase 400v/50Hz each, low noise, Power consumption of 5.5-6 KW in each Blower is high power consuming. We recommend low power consumption having high efficiency to achieve these parameters and equipped with VFD. Hence, we request for revision in the power consumption and also the blower must be equipped with VFD.</p>	
16.	<p><b>Compact End Station</b></p> <p>Compact End station with safety door and must be manufactured of moulded hygienic closed cell materials.</p> <p>Request for Amendment</p> <p>Compact End station must be manufactured of moulded hygienic closed cell materials.</p> <p>Compact End station doesn't have any safety door, this seems to be a typographical error or one company supporting feature. We request you to kindly delete the word "with safety door"</p>	Compact End station must be manufactured of moulded hygienic closed cell materials.
17.	<p><b>INTEGRATION AND DATA MANAGEMENT SYSTEM OF MODULAR OT (IOT)</b></p> <p><b>Medical Grade Monitors –</b></p> <p>a) Two 32-inch or more Full High Definition (1920X1080p) medical grade monitor mounted on ceiling suspended spring arm for each Integrated MOT.</p> <p>Request for Amendment</p> <p>Two 32-inch or more <b>4K Full Ultra High Definition (3840X2160p)</b> medical grade monitor mounted on ceiling suspended spring arm for each Integrated MOT.</p> <p>Full High Definition (1920X1080p) and 4K Full Ultra High Definition (3840X2160p) has no comparison in terms and quality and pricing both.</p> <p>Hence we once again request you to kindly amend as stated</p>	As per Amendment -I
18.	<p>b) One 55-inch FHD (1920X1080p) or more medical grade color monitor should be flush mounted on OT wall</p>	As per Amendment -I

	<p>with all necessary frames with glass should be provided by bidder for each integrated MOT</p> <p>Request for Amendment</p> <p>One 55-inch <b>4K Full Ultra High Definition (3840X2160p)</b> or more medical grade color monitor should be flush mounted on OT wall with all necessary frames with glass should be provided by bidder for each integrated MOT Full High Definition (1920X1080p) and 4K Full Ultra High Definition (3840X2160p) has no comparison in terms and quality and pricing both.</p> <p>Hence we once again request you to kindly amend as stated.</p>	
<p>19.</p>	<p><b>Audio Video Communication System</b></p> <p>b) The Audio-Video system should have minimum 8 x 8 Digital / 12 x 12 Digital with open architecture having compatibility of signals like SD, HD, FHD, 3D/4K signals like SD, HD, FHD, 3D/4K signal etc. (e.g. Room Camera/OT Light Camera/ Endoscopic Camera/ Recorded Videos/etc)</p> <p>The routing/Switch system should be able to integrate Full HD/HD/SD/3D/4Ksignal (e.g. Room Camera/OT Light Camera/ Endoscopic Camera/ Recorded Videos/Etc)</p> <p>Request for Amendment</p> <p>The Audio-Video system should have minimum 8 x 8 <b>fully IP based encoder decoder system with 10G network support fully digital system IP Based 10G encoders</b> should be able to integrate Full HD/HD/SD/3D/4Ksignal (e.g. Room Camera/OT Light Camera/ Endoscopic Camera/ Recorded Videos/Etc)</p> <p>You have asked for old technology product. We recommend to have a 8x8 fully IP based encoder decoder system with 10G network support fully digital system. We recommend for a IP based 10G encoders, which is latest / highly recommended feature for integrated OT.</p>	<p>Tender terms &amp; conditions prevail.</p>
<p>20.</p>	<p>e) The routing system should allow selection of multiple views for simultaneous transmission in QUAD or PIP format</p>	<p>Tender terms &amp; conditions prevail.</p>

	<p>Request for amendment</p> <p>The system should allow multiple video sources simultaneously min <b>9 video</b> sources on one screen. We request you to specify number of video sources to a min of 9 video source on one screen.</p>	
21.	<p><b>Control System cum Digital Documentation</b></p> <p>c) The full high-definition Medical Grade Digital Documentation System should be a high- end Computer system based on Windows 7/8 or better embedded platform (for security purposes) designed specifically for recording, managing, and archiving surgical images and video in native (full HD, HD, SD, 3D, 4K) resolution. The captured images &amp; videos can be accessed from the hard drive for printing or saving onto USB Flash Drive &amp; Hospital network.</p> <p>Request for amendment</p> <p><b>Definition Medical Grade Non-PC based standalone Digital Documentation System</b> should be a high- end computer system based on Windows 7/8 or better embedded platform (for security purposes) designed specifically for recording, managing, and archiving surgical images and video in native (full HD, HD, SD, 3D, 4K &amp; <b>4K-3D Signal</b>) resolution. The captured images &amp; videos can be accessed from the hard drive for printing or saving onto USB Flash Drive &amp; Hospital network.</p> <p>Full High Definition and Ultra High Definition has no comparison in terms and quality and pricing both. Hence we once again request you to kindly amend as stated.</p>	As per Amendment -I
22.	<p>It should have at least 500 GB or more internal Hard Disk Drive (HDD) for in-system archiving. Also, able to automatically transfer the data to storage server present Hospital Network. It should be able to preview and simultaneously record views from two video sources parallel and archive as single patient file. 5 TB network storage should be provided with each integrated OT, it should be kept within the integration rack.</p> <p>Request for amendment</p> <p>It should have at least 2TB or more internal Hard Disk</p>	Tender terms & conditions prevail.

	<p>Drive (HDD) for in-system archiving. Also, able to automatically transfer the data to storage server present Hospital Network. It should be able to preview and simultaneously record views from two video sources parallel and archive as single patient file. 5 TB network storage should be provided with each integrated OT, it should be kept within the integration rack.</p> <p>A minimum of 2TB Storage is recommended for each IOT instead of 500 GB. Hence, we request for amendment in the tender.</p>	
23.	<p>4. Page 7 of 97, 6. Touch Screen Control Panel , h) Temperature and humidity control for the room connected to the AHU. (Adjustable from the panel) The controller should be capable of adjusting the temp adjustment of +/- 5 Deg with in 5 Minutes wherever separate AHU is provided for each OT.</p> <p>Request for amendment</p> <p>We request AHU part should be deleted, from the Touch Screen Control Panel Specifications, as this is in scope of AHU Vendor. AHU is different agency. They will intervene in MOT Contractor Scope of work. There will be coordination problem with AHU contractor and in case of any problem, it will be difficult to identify that this is in who's scope of work.</p> <p>We therefore request AHU part should be deleted.</p>	Tender terms & conditions prevail.
24.	<p>Request for Amendment</p> <p>We had requested to change certifications for Wall &amp; Ceiling System (SMS) but our request is not considered in the amendment and the certifications are still same which is completely in favour of only two companies of the industries.</p> <p>The BIS/European CE Certified with notified 4 digit body no. / UL Listed certifications not applicable for Wall &amp; Ceiling Panels. You can ask CE/UL/ETL/US FDA/BIS/DIN 1.4301 certified/listed as it is mentioned in published specifications by the CPWD also.</p> <p>The same point was raised by us during prebid meeting also and some of other bidders had also pointed out that anybody doesn't have these certifications except one or two companies.</p>	Tender terms & conditions prevail.

	<p>In issued amendment more bidders have raised their queries, requesting to delete these certifications, please go through once again to their queries as mentioned below:-</p> <p>1.“There are no BIS standard for Modular OT. The leading manufacturer Like Dupont does not carry any certification for the same. UL Listing is only possible if there is any electrical component involved in the product, which is not the case with wall &amp; ceiling panels. European CE certification is also not possible as per MDR guidelines but it is mentioned only to favour few distributors of India. So, kindly remove the certification for the wall &amp; ceiling panels”</p> <p>1. “This clause may please removed because non on the Indian manufacturers have European CE or UL listing with this you are discouraging and rejecting Indian products and Indian manufacturing which contradictions government of India policy and one of your tender clauses itself”</p> <p>It can be envisaged here that it is being ignored intentionally to favour cartelized companies only. For your reference, we would like to draw your attention here that in previously called tenders wherein the same certifications were mentioned, the result of the same was in favour to a particular bidder from those both companies only.</p> <p>Therefore, we against requesting you to kindly amend the certifications for Wall &amp; Ceiling Panels for fair, better &amp; wider competition.</p>	
25.	<p>Medical and Surgical Air System</p> <p>Request for Amendment</p> <p>OEM company of India</p> <p>Atlas Copco / Gardner Denver / Ingersoll Rand / Becker / Busch Standards / Certifications CE Certified or CDSCO Registration complied with NFPA 99C/HTM 02-01/ISO 7396-1/DIN standards.</p>	Tender terms & conditions prevail.
26.	<p>Medical AGSS System</p> <p>Request for Amendment</p> <p>OEM company of India</p>	Tender terms & conditions prevail.

	Atlas Copco / Gardner Denver / FS Curtis / Anest-Iwata / Ingersoll-Rand Standards / Certifications CE Certified or CDSCO Registration complied with NFPA 99C/HTM 02-01/ISO 7396-1/DIN standards.	
27.	<p>Medical Gases Pipeline System including:</p> <ul style="list-style-type: none"> <li>▪ Fully Automatic Control Panels for Medical Gases</li> <li>▪ Manifold Supply System for Medical Gases</li> <li>▪ Oxygen Flow meter with Humidifier Bottle</li> <li>▪ Ward Vacuum Units</li> <li>▪ Theatre Vacuum Units</li> <li>▪ Gas Outlets</li> <li>▪ Area Valve Service Units</li> <li>▪ Master Alarm</li> <li>▪ Medical Gas Area Alarm</li> <li>▪ Horizontal Bed Head Panels</li> </ul> <p>High Pressure Tube for Medical Gases</p> <p>Request for Amendment</p> <p>OEM company of India PES / MPS / MDD / Aktiv / Draeger / Atlas Copco / Prenit</p> <p>Standards / Certifications CE Certified or CDSCO Registration complied with NFPA 99C/HTM 02-01/ISO 7396-1/DIN standards.</p>	Tender terms & conditions prevail.
28.	<p>Wall &amp; Ceiling System (SMS)</p> <p>Request for Amendment</p> <p>OEM company of India PES / MPS / Prenit / DuPont / Maquet / Draeger <b>Standards</b> / Certifications CE Certified or CDSCO Registration complied with NFPA 99C/HTM 02-01/ISO 7396-1/DIN standards.</p>	Tender terms & conditions prevail.
29.	<p>Anaesthetist and Surgeon Pendants</p> <p>Request for Amendment</p> <p>OEM company of India PES / MPS / MDD / Aktiv / Draeger / Altos</p> <p>Certifications</p>	Tender terms & conditions prevail.

	CE Certified or CDSCO Registration complied with NFPA 99C/HTM 02-01/ISO 7396-1/DIN standards.	
30.	Request for amendment Extend the date of tender submission	Due date of tender submission is 25.07.2023.

All other terms & conditions remain unchanged.

General Manager (Procurement)  
HSCC (India) Ltd.