

All Bidders**Amendment – I**

Project: Supply, Installation, Testing & Commissioning of Pneumatic Tube Transport System for Hospital Block at All India Institute of Medical Sciences (AIIMS), Raebareli

IFB No. HSCC/SES/PTTS/AIIMS/Raebareli/2020 Date: 08.10.2020

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.

Sr. No.	Bidders' Queries	Reply
1.		
2.	<p>As per Vol-III, SCC page No.15 , Point No-12.2 of Tender Document]</p> <p>The Bid Security shall be in the form of a Demand Draft/Pay Order/Bank Guarantee.</p> <p>Please provide IFSC Code of Your Bank.</p> <p>Bank require IFSC Code for preparing Bank Guarantee Please provide IFSC Code of Your Bank</p>	<p>IFSC code of the Bank – PUNB 0272600</p>
3.	<p>As per Vol-IV, Technical Specification, Page No-1, Scope of Work ,Para No-2. of Tender Document]</p> <p>Bidder shall quote all items of the BOQ. At the time of Notification of Award (NOA) bidder may be entrusted to execute SITC of PTTS by supplying all items as per BOQ OR NOA may be issued after dropping some of the items like Pneumatic tubes 160mm dia. with Bents, Cables and other miscellaneous accessories, Diverters and Linear Coupler/Line Transfer zone etc from BOQ.</p> <p>Kindly Clarify this point as we are unable to Understand this clause.</p>	<p>These queries were explained in the Pre-bid meeting. Tender terms & condition prevails.</p>
4.	<p>As per Vol-IV, Technical Specification, Page No-1, Scope of Work ,Para No-3. of Tender Document]</p>	<p>These queries were explained in the Pre-bid meeting.</p>

	<p>PTTS contractor should be responsible for connection and integration with installed pipelines, Diverters and Line Transfer zone/ Linear Coupler of PTTS by some other vendor and make it fully functional. In case of incomplete installation of pipeline system of PTTS is there at site by other vendor, the PTTS contractor should complete is as per further order and approved SLD/Drawing and make it fully functional.</p> <p>Kindly Clarify if there are any material at site by any other vendor. If so Please provide complete detail of same</p> <p>Kindly Clarify if there are any material at site by any other vendor. If so Please provide complete detail of same, if any.</p>	Tender terms & condition prevails.
5.	<p>As per Vol-IV, Technical Specification , Page No-1, System Requirement , Point No-2. of Tender Document] & As per Vol-IV, Technical Specification, Page No-3, Point No-3 Side Channel Blower Point No- 3b of Tender Document]</p> <p>Supply of Pneumatic Tube Transport System (PTTS) of 160mm pipe (outer diameter) Network, with transfer speed ranging from a minimum transfer rate of 4 m/s to maximum rate of 6 m/s; as per specifications</p> <p>The carrier for transferring sensitive laboratory samples at lower transfer speed of 3m/s.</p> <p><u>To be read as</u> Supply of Pneumatic Tube Transport System (PTTS) of 160mm pipe (outer diameter) Network, with transfer speed ranging from a minimum transfer rate of 3 m/s - 4 m/s;</p> <p>The World-wide standard and clinically accepted speed is 3-4 mps.</p> <p>We request you to kindly amend.</p>	Supply of Pneumatic Tube Transport System (PTTS) of 160mm pipe (outer diameter) Network, with transfer speed ranging from a minimum transfer rate of 3 m/s - 4 m/s
6.	As per Vol-IV, Technical Specification , Page	Carriers shall carry 3-4 kg

	<p>No-1, System Requirement , Point No-4. of Tender Document]</p> <p>The Carrier or Container should be able to carry loads weighing upto 7 kg...</p> <p><u>To be read as</u> The Carrier or Container should be able to carry loads weighing up to 3 kg.</p> <p>The standard pay load 160mm PTS carrier with 5.5 to 6 KW blower is approx 3 kg against the stated 7Kg, which is neither the norm nor possible with the specified blower capacity.</p> <p>Also, Carrier Loading capacity of 160mm system is approx 330X120 mm, which can accommodate Hospital materials such as drugs / lab samples, documents that are transportable with PTTS system of Approx 3 Kg.</p> <p>Kindly amend the clause as able to carry loads weighing up to 3 kg.</p>	
7.	<p>As per Vol-IV, Technical Specification, Page No-3, Point No-2, Line Transfer Zone, Point No- 2C of Tender Document]</p> <p>Should have the provision to keep the storage units vacant for the transit of Emergency carriers.</p> <p><u>To be read as</u> Should have Provision for transporting of emergency Carrier on Priority</p> <p>Every manufacturer has its own technology & design, Swisslog uses linear zone transfer system and for WIDER PARTICIPATION, this point should be replaced with:</p> <p>“Should have Provision for transporting of emergency Carrier on Priority” Kindly amend.</p>	Should be equipped for transporting of emergency carrier on priority.
8.	<p>As per Vol-IV, Technical Specification, Page No-3, Point No-3, Side Channel Blower, Point No- 3b of Tender Document]</p> <p>and</p> <p>As per Vol-IV, Technical Specification , Page</p>	Same as Sl. No.-5

	<p>No-1, System Requirement , Point No-2. of Tender Document]</p> <p>Independent Blowers of maximum power consumption of 5.5/6 KW, 3-phase 400v/50Hz each, low noise, unidirectional rotation with electronic air switch to switch between compressed air and vacuum. Each blower should be provided with a system to Control frequency of the blower which will further control the speed of the carrier for transferring sensitive laboratory samples at lower transfer speed of 3m/s.</p> <p>Supply of Pneumatic Tube Transport System (PTTS) of 160mm pipe (outer diameter) Network, with transfer speed ranging from a minimum transfer rate of 4 m/s to maximum rate of 6 m/s; as per specifications</p> <p><u>To be read as</u></p> <p>Independent Blowers of maximum power consumption of 5.5/6 KW, 3-phase 400v/50Hz each, low noise, unidirectional rotation with electronic air switch to switch between compressed air and vacuum. Each blower should be provided with a system to Control frequency of the blower which will further control the speed of the carrier for transferring sensitive laboratory samples at lower transfer speed of 3-4m/s.</p> <p>Supply of Pneumatic Tube Transport System (PTTS) of 160mm pipe (outer diameter) Network, with transfer speed ranging from a minimum transfer rate of 3-4 m/s; as per specifications</p> <p>The World-wide standard and clinically accepted speed is 3-4 mps.</p> <p>Kindly amend.</p>	
9.	<p>As per Vol-IV, Technical Specification, Page No-3, Point No-4, Top Load Station 160mm ,Para No-1 of Tender Document]</p>	<p>Full multi line Display with minimum 3 Line/5 Line and minimum 16 Characters per Line or more.</p>

	<p>NW 160 mm front load Stainless steel station, pass through type having LCD display, backlit, soft membrane touch buttons, 5 line display with 16 characters on each line including RFID reader circuit board and optical sensors built-in pneumatic pressure trough passage for sample safety.</p> <p><u>To be read as</u> Full multi line Display with minimum 3 Line and minimum 16 Characters per Line</p> <p>Every manufacturer has its own technology & design.</p> <p>Swisslog Control Panel have backlit graphic LCD monitor with soft membrane touch button with telephone style Keypad and 240X64 PX with 3 display areas and 30 characters per line Request, Kindly Amend:</p> <p>“Full multi line Display with minimum 3 Line and minimum 16 Characters per Line“</p>	
10.	<p>As per Vol-IV, Technical Specification, Page No-4, ,Point No-5, Automatic Unload Station 160mm ,Clause No-5A, of Tender Document]</p> <p>The system must be configured to prevent Normal Carriers from choosing the Auto Unload Station as its destination</p> <p><u>To be read as</u> To be deleted</p> <p>Every manufacturer has its own technology & design.</p> <p>With Swisslog technology we are able to use normal carrier in top load station and Automatic Unload Stations, thereby avoiding unnecessary purchase of expensive additional Auto Unload Carriers.</p> <p>As discussed during Pre-bid Auto Unload Carriers to be deleted from the BOQ & correspondingly increase the quantity of standard carriers which can also be used in all stations including Auto Unload Stations.</p> <p>We request, kindly delete this line and amend</p>	Automatic Unload carriers and Auto unload station deleted.

	the BOQ.	
11.	<p>As per Vol-IV, Technical Specification, Page No-4, ,Point No-5, Automatic Unload Station 160mm ,Clause No-5B, of Tender Document]</p> <p>When the carrier comes into the Auto Unload Pneumatic station, the carrier should decelerate within the line and it should automatically open inside the stations (without exiting the station) and the sample bags / containers should slide out of the carrier, drop safely out of the station onto a soft-landing basket. The carrier, after unloading the samples, should automatically return to its origin pneumatic station based on RFID transponder technology.</p> <p><u>To be read as</u> When the carrier comes into the Auto Unload Pneumatic station, the carrier should decelerate within the line and it should automatically open inside the stations (without exiting the station) and the sample bags / containers should slide out of the carrier, drop safely out of the station onto a soft-landing basket / platform. The carrier, after unloading the samples, should automatically return to its origin pneumatic station based on RFID transponder technology.</p> <p>Every manufacturer has its own technology & design some use receiving basket for labs and some use horizontal receiving platform.</p>	Deleted
12.	<p>As per Vol-IV, Technical Specification, Page No-4, ,Point No-5, Automatic Unload Station 160mm ,Clause No-5K, of Tender Document]</p> <p>Should be provided with OEM carrier rack to store minimum 10 nos. Carriers.</p> <p><u>To be read as</u> Should be provided with OEM Carrier racks to store 5 to 10 nos. Carriers</p> <p>Every manufacturer has its own technology & design some use receiving basket for labs and some use horizontal receiving platform.</p> <p>Standard OEM Carrier racks can Store up to 5 Carriers</p>	OEM Carrier racks to store 5 – 10 nos. Carriers

	<p>We request kindly amend.</p> <p>“Should be provided with OEM Carrier racks to store 5 – 10 nos. Carriers”</p>	
13.	<p>As per Vol-IV, Technical Specification, Page No-4, ,Point No-6, Auto Unload Carrier with RFID , Clause No-6A, of Tender Document]</p> <p>...sealed load chamber to prevent contamination of tubing in the unlikely event</p> <p><u>To be read as</u> To be deleted</p> <p>Every manufacturer has its own technology & design.</p> <p>A Swivel top mechanism can never be sealed and without a Swivel Top there cannot be an Auto Unload Carrier.</p> <p>We request kindly delete this line</p>	Deleted.
14.	<p>As per Vol-IV, Technical Specification, Page No-6, Multi Receiving Station ,Point No-7secound Last Line , of Tender Document]</p> <p>It should be built in a way that after a power failure it is self-examining and if necessary self-repairing</p> <p><u>To be read as</u> Kindly Clarify / Delete This Point</p> <p>We request you kindly Clarify / delete this point.</p> <p>As No station in the world has this feature, kindly delete this point.</p>	In case of power failure carriers in the transit will be stopped in the tubes. During power failure, Online UPS with PTTS will keep its Computer system and its program alive and the carriers will move as per its predesignated destinations as soon as the power will be restored in the Blowers and Pneumatic tube system.
15.	<p>As per Vol-IV, Technical Specification, Page No-6, Multi Receiving Station, Point No-7, Last Line, of Tender Document]</p> <p>It should have Air cushioned soft landing facility for arriving containers to protect samples. It should be provided with container rack & PVC Slide bend, sliced from the top for soft landing of the samples.</p> <p><u>To be read as</u> It should have Air cushioned soft landing facility for arriving containers to protect samples. It</p>	It should have Air cushioned soft landing facility for arriving containers to protect samples. It should be provided with container rack & PVC Slide bend/ Stainless steel receiving Platform/Bend, sliced from the top for soft landing of the samples.

	<p>should be provided with container rack & PVC Slide bend/ Stainless steel receiving Platform/Bend, sliced from the top for soft landing of the samples.</p> <p>Swisslog material receiving platform is made of Stainless steel.</p> <p>We request kindly include Stainless steel receiving Platform/Bend.</p>	
16.	<p>As per Vol-IV, Technical Specification, Page No-6, Carriers With RFID ,Point No-9, Carriers With RFID Clause - 9D of Tender Document]</p> <p>The carriers must be provided with an easily visible wear and tear resistant colour coding system, which must be changeable also on site by the user without damage and not requiring special tools.</p> <p><u>To be read as</u> The Carrier must be Provided with easily Visible wear and tear resistant Colour Coding System</p> <p>Every manufacturer has its own technology & design.</p> <p>Swisslog uses different colour caps for colour coding system.</p> <p>We request you to kindly amend the clause:</p> <p>“Carrier must be Provided with easily Visible wear and tear resistant Colour Coding System with caps/ bands/stickers“</p>	<p>Carrier must be Provided with easily Visible wear and tear resistant Colour Coding System with caps/ bands/stickers.</p>
17.	<p>As per Vol-IV, Technical Specification, Page No-7, Point No-12 Forwarding Tube of Tender Document]</p> <p>PVC of 160 mm Outer Diameter and 153 mm (approx.) Inner Diameter</p> <p><u>To be read as</u> PVC of 160 mm Outer Diameter and 153-154 mm (approx.) Inner Diameter</p> <p>The World-Wide PPTS Standard OD of U-PVC tube is 160mm with thickness of approx 3.2 mm.</p>	<p>PVC of 160 mm Outer Diameter and 153-154 mm (approx.) Inner Diameter with thickness of approx. 3.2mm.</p>

	Kindly amend.	
18.	<p>As per Vol-IV, Technical Specification, Page No-8, Point No-17 Tests after Completion Clause – 17(i) of Tender Document]</p> <p>As per SCC-VOL-3 Clause No-21 Payment Terms of TENDER Document</p> <p>Running of equipment and system as a whole to a minimum of 15 days.</p> <p>30 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client on pro-rata basis.</p> <p><u>To be read as</u> Please Clarify</p> <p>At one location in the tender document it states 15 days and at another point it says 30 days.</p> <p>Kindly Clarify.</p>	30 days from the date of takeover.
19.	<p>As per Vol-IV, Technical Specification, Page No-9,Clause -m Turn Key Work of Tender Document]</p> <p>Bidder has to specify its electrical load including equipment, air-conditioning, peripherals load, etc for Pneumatic Tube Transport System</p> <p><u>To be read as</u> Please Clarify</p> <p>Whether Air Conditioner of this room will be provided by the employer or bidder?</p> <p>Kindly Clarify.</p>	<p>Air conditioner and electrical wiring/data cable wiring for PTTS to be provided by the vendor as works on turnkey basis.</p> <p>Electric supply at single point to be provided by HSCC/AIIMS.</p>
20.	<p>As per Vol-IV, Technical Specification, Page No-9,Clause -m Turn Key Work of Tender Document]</p> <p>Power Supply</p> <p><u>To be read as</u> Please Confirm</p> <p>Kindly confirm whether power during installation and testing and commissioning of operation of system will be provided by employer free of cost.</p>	<p>Power may be available at site but payment to be made by the vendor for consumption of electricity. In case power supply is not available at site, vendor has to arrange of its own.</p>

	Power back up for Blower and Air Conditioner by Generator	
21.	<p>As per Vol-V, BOQ, Page No-2, Clause -10 of Tender Document]</p> <p>Specifications Volume it is stated in Point No9E page 7</p> <p>Carrier 160 mm: In load 400mm</p> <p>Carrier 160 mm: minimum 300mm</p> <p><u>To be read as</u> to amend carrier loading dimensions to 330x120mm</p> <p>Standard 160mm Carrier Loading Dimensions are 330x160mm; making it easier for generally small hands of the nurses in the hospitals – world wide.</p> <p>Kindly correct the same.</p>	Standard 160mm Carrier Loading Dimensions are 330x160mm.
22.	<p>As per Vol-V, BOQ,</p> <p>Page No. __</p> <p>S. No 6.0</p> <p>S. No 7.0</p> <p>S. No 8.0</p> <p>S. No 10.0</p> <p>S. No 11.0</p> <p>Auto Unload Stations of 160 mm Qty. - 02</p> <p>Multi Receiving Stations of 160 mm Qty. -03</p> <p>Multi Send Stations of 160 mm Qty. - 03</p> <p>Auto Unload Carrier of 160 mm</p>	<p>S. No.-6 Auto Unload station - deleted</p> <p>S. No.-7 Multi Receive station – 1 No.</p> <p>S. No.-8 Multi Send station - 1 No.</p> <p>S. No.-10- Auto Unload Carrier - deleted</p> <p>S. No. 11 – Carrier 160 mm- 330mm -240 Nos</p>

	<p style="text-align: center;">Qty. – 80</p> <p>Carrier 160 mm:Inload 400 mm Qty. – 160</p> <p>To be Amended to</p> <p>Auto Unload Stations of 160 mm - Qty. - 01</p> <p>Multi Receiving Stations of 160 mm - Qty. – 01</p> <p>Multi Send Stations of 160 mm - Qty. – 01</p> <p>Auto Unload Carrier of 160 mm - Qty. – 01</p> <p>Carrier 160 mm:Inload 330 mm- Qty. – 240</p> <p>You are Kindly requested to amend the BOQ, as per the Pre-bid meeting discussions.</p>	
23.	<p>Addition Specific Conditions of Contract</p> <p>Point 21.1 Payment Terms page No.—</p> <p>As stated in the tender</p> <p>For Imported equipment payments by way of LC in f/o Foreign OEM / Principal payable 100% at sight.</p> <p>Since the entire PTTS System equipment and tubes bends etc. are imported we request you to kindly amend the payment terms. As due to current COVID 19 Pandemic Situation, No OEM is willing to extend credit. THIS WILL SAVE VITAL DELIVERY TIME, AS NECESSARY FOR THIS TIME BOUND PROJECT.</p>	<p>Payment through LC for imported items to be provided. Revised BOQ & payment terms will be uploaded.</p> <p>For purposes of estimating the contract value of works executed for certificate of payment, the following norms shall be followed:</p> <p>A) Payment for Domestic Goods Or Foreign Origin Located Within India. Payment shall be made in Indian Rupees as specified in the contract in the following manner:</p> <p>a) On delivery:</p> <p>Seventy (70%) payment of</p>

		<p>the delivered goods price shall be paid on receipt of goods in good condition and upon the submission of the following documents:</p> <ul style="list-style-type: none"> (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount; (ii) Consignee Receipt Certificate in original issued by the authorized representative of the consignee; (iii) Two copies of packing list identifying contents of each package; (iv) Inspection certificate issued by the nominated Inspection agency, if any. (v) Insurance Certificate as per tender terms and documents also to be submitted for payment confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours; (vi) Certificate of origin. (vii) Manufacturers warranty certificate <p>b) Twenty (20%) payment of the delivered goods price shall be paid on installation and commissioning upon submission of following document:- Installation and commissioning certificate in original issued by the consignee/HSCC.</p> <p>c) On Acceptance:</p> <p>Balance Ten (10%) payment of the delivered goods value</p>
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		<p>would be made against 'Final Acceptance Certificate'(FAC)/handover certificate as issued by the client subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.FAC need to be issued by the designated consignee after installation, commissioning, testing and one month of successful trial run of the equipment.</p> <p>B) Payment for Imported Goods: Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner:</p> <p>a) On Shipment: Seventy (70)% of the CIP price of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:</p> <p>(i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;</p> <p>(ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;</p> <p>(iii) Four Copies of</p>
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		<p>packing list identifying contents of each package;</p> <p>(iv) Insurance Certificate as per tender terms and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;</p> <p>(v) Manufacturer's/Supplier's warranty certificate;</p> <p>(vi) Manufacturer's own factory inspection report and</p> <p>(vii) Certificate of origin by the chamber of commerce of the concerned country;</p> <p>(viii) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd, BUREAU VARITUS and TUV prior to despatch.</p> <p>b) Twenty (20)% of the CIP price of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of the following document</p> <p>i) Installation and commission certificate issued by the end user/HSCC</p> <p>c) On Acceptance:</p> <p>Balance payment of 10% of CIP price of goods would be made against 'Final Acceptance Certificate'(FAC) /hand</p>
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		over certificate to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any. FAC need to be issued by the designated consignee after installation, commissioning, testing and one month of successful trial run of the equipment.
24.	<p>Performance Security of 10% of Contract Value</p> <p>Request to amend the same to: Performance Security of 5 % of Contract Value</p> <p>Due to current fiscal situation and ongoing pandemic, you are requested to kindly take this into consideration.</p>	Performance security is amended to 5% of contract value.
25.	<p>Bid Submission Date 23.10.2020</p> <p>Amend to: 23.11.2020</p> <p>Due to ongoing Pandemic and upcoming festive session. you are kindly requested to extend the Bid submission date.</p>	Extension of date of submission of bid mentioned below.
26.	<p>As per Vol-IV, Tech Specs page No. 12, Point No-7 of Tender Document</p> <p>Third party quality certification of the imported PTTS equipment from SGS/TUV/Llyods/Bureau Veritas should be submitted as “Certifies that the PTTS equipment meets the technical specification and BOQ of the tender document.”</p> <p>Kindly delete this point</p> <p>Third party inspection will consume almost 15 days to complete process. Request this to be deleted please to avoid the delays and for timely execution of the project.</p>	Tender terms and conditions prevail.
27.		
28.	Bidder shall quote all items of the BOQ. At the	BOQ shall prevail.

	<p>time of Notification of Award(NOA) bidder may be entrusted to execute SITC of PTTS by supplying all items as per BOQ OR NOA may be issued after dropping some of the items like Pneumatic tubes 160mm dia. with Bents, Cables and other miscellaneous accessories, Diverters and Linear Coupler/Line Transfer zone etc. from BOQ</p> <p>We want detailed clarification above this point. Pneumatic tube system is complete system based on the designed.</p> <p>BOQ should clarify the details requirement. We found SLD & BOQ is contradicting. SLD does not show any Auto unloading stations.</p>	
29.	<p>PTTS contractor should be responsible for connection and integration with installed pipelines, Diverters and Line Transfer zone/ Linear Coupler of PTTS by some other vendor and make it fully functional. In case of incomplete installation of pipeline system of PTTS is there at site by other vendor, the PTTS contractor should complete is as per further order and approved SLD/Drawing and make it fully functional.</p> <p>PTTS specialized product and all company have their own development, production and Installation team and all the projects covers all disciplines from developing, designing, prototyping, manufacturing and servicing the complete system.</p> <p><i>So how it is possible the contractor should responsible for connections and integration with installed pipelines, diverters and line transfer by some other vendor? Contradictory point</i></p> <p>Kindly clarify the pipe line work / existing installation details as on date. We are not sure the quality of the installation, warranty is completely depending on this. If installation not done as per the guideline then recurring cost will be high. In general PTS contractor have their own installation team and guide lines.</p>	Tender terms and conditions prevail.
30.	<p>Page no - 1 point no -2</p> <p>Supply of Pneumatic Tube Transport System (PTTS) of 160mm pipe (outer diameter)</p>	Same as Sl. No.-5

	<p>Network, with transfer speed ranging from a minimum transfer rate of 4 m/s to maximum rate of 6 m/s; as per specifications.</p> <p>In general System speed is 5 to 6m/sec but controlling speed for sensitive samples is very important for quality of the samples.</p> <p>To be read as -- High risk samples - slow speed sending - station should have the slow speed control facility for sensitive sample sending, the station can reduce the carrier transport speed to an acceptable level. This is available on the control unit and on the station itself by selecting a button, or it automatically predefined by selecting a certain address that requires a slow speed transfer</p>	
31.	<p>Page no - 1 point no -4</p> <p>The Carrier or Container should be able to carry loads weighing up to 7 kg.</p> <p>Carrying weight up to 7kg is impossible for any manufacturer. Standard weight is 3 kg to 4 Kg</p> <p>To be read as - The carrier container should be able to carry load up to 4 kg.</p>	Same as Sl. No.-6
32.	<p>Page no - 2 point no -j.</p> <p>Main Control System should include the following: - Main Control Unit Hardware for Main Control System with power supply. - Software package for main controller includes the following:- 1.Licensed Software for the system including extension lines, as required. 2. Licensed Software for Code-Tag System/Transponder System/RFID. 3. Licensed Software for Visualization & Editor. 4. Licensed Software for History & Evaluation.</p> <p>Control system should have 2 types of software - operating and analysis. Given specification for software is too much complicated & ask all kind of software license.</p> <p>To be read as -- Control unit: The system is fully automatic computer control and supervising</p>	<p>Control unit: The system is fully automatic computer control and supervising center that controls and monitors all transmissions within the whole system on a continuous basis. The control unit should be connected to HMIS/BMS to report system failures. The control unit is provided with licensed software that: a) enables configuration of the whole system (b) Controls and monitors the operation of the whole system (c) Enables fully analyses based on self-creating log files. (d) Graphical display is provided to display the</p>

	<p>center that controls and monitors all transmissions within the whole system on a continuous basis. The control unit should be connected to building management system (BMS) by a potential -free contact (hard) to report system failures. The control unit is provided with software that: a) enables configuration of the whole system (b) Controls and monitors the operation of the whole system (c) Enables fully analyses based on self-creating log files. (d) Graphical display is provided to display the system schematics together with the operating status of all components. (e) The control unit has a simulation mode for training and testing. (f) the control unit log all transactions in the system to the hard disk's).</p>	<p>system schematics together with the operating status of all components. (e) The control unit has a simulation mode for training and testing. (f) the control unit log all transactions in the system to the hard disk.</p>
<p>33.</p>	<p>Page no – 2, point no -2 . LINE TRANSFER ZONE/LINEAR COUPLER:</p> <p>Linear coupler is generally used in hospitals with multiple lines combined with high send frequency. Therefore hospital needs to add some more important points.</p> <p>To be read as -- Maximizes system capacity: up to 500 carriers per hour. * Integrates all priority and slow speed transactions * Smart multi storage system * Silent and shockproof transport, suitable for blood transport and other bio hazard materials * Designed for intensive use * Long lifespan * Easy installation * Service and maintenance friendly, requires a minimum of service * Low energy consumption * Meets the CE guideline 2006/42/EC for mechanical engineering and the EMC standard 2004/108/EG</p>	<p>Integrates all priority and slow speed transactions. Adequate capacity to cater AIIMS work load. Smart multi storage system. Silent and shockproof transport, suitable for blood transport and other bio hazard materials. Designed for intensive use. Long lifespan. Easy installation. Service and maintenance friendly, requires a minimum of service. Low energy consumption. Meets the CE guideline 2006/42/EC for mechanical engineering and the EMC standard 2004/108/EG</p>
<p>34.</p>	<p>Page no - 3 point no -4 Top Load station 160mm.</p> <p>NW 160 mm front load Stainless steel station, pass through type having LCD display, backlit, soft membrane touch buttons, 5 line display with 16 characters on each line including RFID reader circuit board and optical sensors built-in pneumatic pressure trough passage for sample safety. The Pneumatic Station should be designed as a fully automatic dispatch and receiving unit and used as pass- through station. Operations, contact less censoring of the unit positions. There</p>	<p>1. Design – All Stations must have a modern front loading/Top loading design with a safety door and must be manufactured of moulded hygienic closed cell materials. 2. The station should be capable of detecting strange object this ensures stuff cannot send anything other than Pneumatic capsules. 3. The</p>

	<p>should not be any air exiting at the pneumatic station. Front load stations should be equipped with RFID Readers for container ID and inventory, which should ensure automatic container redistribution to its home address & also non-acceptance of any items than authorized container. The Pneumatic Station should have Air cushioned soft landing facility for arriving container to protect samples. Provided with container rack and receiving basket with cushion. The Pneumatic Station should be able to send and receive containers. The conveying direction of the containers should be both sided (single tube reversing principle). Inserting a container into the Pneumatic Station and selecting a target number should be possible independent from system status. The container should be loaded on the top side of the Pneumatic Station. The Pneumatic Station should be Steel made, maintenance free mechanism, with self-adjusting optical switches, with self-adjusting maintenance free gaskets for noise less</p> <p>Stations are main important part of the project. Top loading stations are not acceptable in Health care premises. Each and every Manufacturer has Front loading stations. Request to delete the points asking for Front loading stations with acryl transparent door stations.</p> <p>To be read as ---- 1. Design – All Stations must have a modern front loading design with a transparent acryl safety door and must be manufactured of molded hygienic closed cell materials. 2. The station should be capable of detecting strange object this ensures stuff cannot send anything other than Pneumatic capsules. 3. The stations are designed to comply with the latest health and safety regulations. Access to the station mechanism is protected by the interlocked guard door. This ensures no person, including the mentally ill, elderly confused or children can reach hazardous mechanisms. 4. All PTS end stations specially those areas with increased air exchange, areas to be protected from contamination; areas causing potential contamination should use of filters at the end of the tube is must for sensitive clinical areas in which a a pneumatic dispatch end – Air filter for inlet air transport Class H 14. 5. Return to sender</p>	<p>stations are designed to comply with the latest health and safety regulations. Access to the station mechanism is protected by the interlocked guard door. This ensures no person, including the mentally ill, elderly confused or children can reach hazardous mechanisms. 4. In the case, the PTS End stations are placed in the areas with increased air exchange, areas to be protected from contamination; areas causing potential contamination should use of filters at the end of the tube is must for sensitive clinical areas in which a pneumatic dispatch end – Air filter for inlet air transport Class H 14. 5. Return to sender – The stations must have the capability of automatically returning the carrier to the sender once the receiving party removes the items, he/she receives and places the carrier back in the station.</p>
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	<p>– The stations must have the capability of automatically returning the carrier to the sender once the receiving party removes the items, he/she receives and places the carrier back in the station.</p>	
35.	<p>Page no - 4 point no -5 Automatic Unloading station for core Laboratory.</p> <p>a. The Auto Unload Station is a dedicated Receiving station, should be provided with a dedicated line. This station should be exclusively used for receiving Auto Unload carriers. The system must be configured to prevent Normal Carriers from choosing the Auto Unload Station as its destination.</p> <p>Specification are not clear about the functions. Why normal carriers to prevent. Very confusing. Special carrier cost is too high for the institutions. Auto unloading stations specifications are very confusing and the purpose of the stations are not going to be solved - reason because with this specifications Laboratory lines are always being waiting. Problems can be resolved only Stations to be connected via "DUAL CHANNEL"</p> <p>To be read as ---Laboratory Auto unloading stations – Stations should in 3rd generation automatic unloading stations, featuring A DUAL CHANNEL connections and a pushing plunger. It should be works automatically received carriers in channel 1, opens both lids, pushes out all content, closes both lids and auto-returns empty carriers to their home address via channel 2. No manual actions are allowed, all carriers needs to be automatically processed. It should be designed to handle large amounts of carriers with sensitive content, this should be guarantees a fast but soft arrival in laboratory. The station should be ready to harmonize with existing analyzers and workflows, reducing the total turnaround time to provide patients with a diagnose.</p>	Same as Sl. No-10
36.	<p>Page no - 4 point no -5 Automatic Unloading station for core Laboratory.</p> <p>b. When the carrier comes into the Auto Unload Pneumatic station, the carrier should decelerate</p>	Same as Sl. No-10

	<p>within the line and it should automatically open inside the stations (without exiting the station) and the sample bags / containers should slide out of the carrier, drop safely out of the station onto a soft landing basket. The carrier, after unloading the samples, should automatically return to its origin pneumatic station based on RFID transponder technology.</p> <p>To be read as ---- Dual Channel: more capacity by connecting 2 channels, receiving + returning carriers simultaneously.</p>	
37.	<p>Page no - 4 point no -5 Automatic Unloading station for core Laboratory.</p> <p>c. The Auto Unload Station at Hospital's Core-Laboratory should be programmed into the System, so as to direct all Auto Unload Carriers to it automatically.</p> <p>To be read as -- Pushing Plunger: the plunger guarantees that all carrier content is delivered, preventing stuck items.</p>	Same as Sl. No-10
38.	<p>Page no - 4 point no -5 Automatic Unloading station for core Laboratory.</p> <p>d. The Auto Unload Station should be maintenance free gear mechanism, with self-adjusting optical switches, with self-adjusting maintenance free gaskets for noise less operations, contact less of the unit positions.</p> <p>Soft Arrival: handling sensitive samples and preventing hemolysis by its advanced breaking method.</p>	Same as Sl. No.-10
39.	<p>Page no - 4 point no -5 Automatic Unloading station for core Laboratory.</p> <p>e. There must be RFID readers for carrier ID and inventory, which should ensure automatic carrier distribution to its home address & also non-acceptance of any items than authorized carrier.</p> <p>To be read as -- Auto-Homing: through RFID, the stations returns empty carriers to their home stations: preventing an overflow of carriers at the laboratory while simultaneously preventing a</p>	Same as Sl. No.-10

	shortage at all other stations. Hygienic: all station surfaces are	
40.	<p>Page no - 4 point no -5 Automatic Unloading station for core Laboratory.</p> <p>f. System should not accept an open carrier.</p> <p>To be read as --- Carrier Compatibility: carriers are compatible with the whole system STATIONS.</p>	Same as Sl. No.-10
41.	<p>Page no - 4 point no -6</p> <p>AUTO UNLOAD CARRIERS WITH RFID:</p> <p>No special carrier to be allowed. It is costly compare to normal carriers. It is being a huge recurring cost for the institutions in near future.</p> <p>To be read as --- Carrier Compatibility: carriers are compatible with the whole system STATIONS. NO SPECIAL CARRIERS allowed for Auto-unloading stations</p>	Same as Sl. No.-10
42.	<p>Page no - 5 point no -7</p> <p>Multi Receive station & Multi send station</p> <p>It is very confusing -- 1. You already ask 2 Auto unloading stations in Core Laboratory area then why another 3 + 3 Multi sends and multi receiving stations. No use of that.</p> <p>This stations needs to be deleted.</p>	<p>Multi send station -1 No</p> <p>Multi receiving station– 1</p> <p>No</p> <p>in Core Laboratory</p>
43.	<p>Page no - 6 point no -8</p> <p>Compact End Station</p> <p>We recommended whole system -- Stations must have a modern FRONT LOADING DESIGN WITH TRANSPARENT ACRYL SAFETY DOOR and must be manufactured of moulded hygienic closed cell materials. This is only way to avoid Healthcare-associated infection (TAI), it is a most common complications in health care institutions.</p>	<p>Front loading station/Top loading/Compact End station with safety door and must be manufactured of moulded hygienic closed cell materials..</p>

44.		
45.	<p>Bidder shall quote all items of the BOQ. At the time of Notification of Award(NOA) bidder may be entrusted to execute SITC of PTTS by supplying all items as per BOQ OR NOA may be issued after dropping some of the items like Pneumatic tubes 160mm dia. with Bents, Cables and other miscellaneous accessories, Diverters and Linear Coupler/Line Transfer zone etc from BOQ.</p> <p>We want detailed clarification above this point. Pneumatic tube system is complete system based on the designed. Tenderer can't order just dropping some items from the BOQ.</p> <p>BOQ should clarify the details requirement. We found SLD & BOQ is contradict. SLD does not show any Auto unloading stations. We strongly proposed that SLD needs to be revised based on the site conditions.</p>	Tender terms & Conditions prevail
46.	<p>Page no - 1 point no -2</p> <p>Supply of Pneumatic Tube Transport System (PTTS) of 160mm pipe (outer diameter) Network, with transfer speed ranging from a minimum transfer rate of 4 m/s to maximum rate of 6 m/s; as per specifications.</p> <p>In general System speed is 5 to 6m/sec but controlling speed for sensitive samples is very important for quality of the samples.</p> <p>To be read as -- High risk samples - slow speed sending - station should have the slow speed control facility for sensitive sample sending, the station can reduce the carrier transport speed to an acceptable level. This is available on the control unit and not the station itself by selecting a button, or it automatically predefined by selecting a certain address that requires a slow speed transfer</p>	Same as Sl. No. 5
47.	<p>Page no - 1 point no -4</p> <p>The Carrier or Container should be able to carry loads weighing upto 7 kg.</p> <p>carrying wait up to 7kg is impossible any manufacturer. Standard weight is 3 to 4Kg</p>	Same as Sl. No.6

	To be read as - The carrier container should be able to carry load up to 4kg.	
48.	<p>Page no - 2 point no -j.</p> <p>Main Control System should include the following:</p> <ul style="list-style-type: none"> - Main Control Unit Hardware for Main Control System with power supply. - Software package for main controller includes the following:- <ol style="list-style-type: none"> 1.Licensed Software for the system including extension lines, as required. 2.Licensed Software for Code-Tag System/Transponder System/RFID. 3.Licensed Software for Visualization & Editor. 4.Licensed Software for History & Evaluation. <p>Control system should have 2 type of software - operating and analysis. Given specification for software is too much complicated & ask all kind of software licence.</p> <p>To be read as -- Control unit: The system is fully automatic computer control and supervising centre that controls and monitors all transmissions within the whole system on a continuous basis. The control unit should be connected to building management system (BMS) by a potential -free contact (hard) to report system failures. The control unit is provided with software that: a) enables configuration of the whole system (b) Controls and monitors the operation of the whole system (c) Enables fully analyses based on self creating log files. (d) Graphical display is provided to display the system schematics together with the operating status of all components. (e) The control unit has a simulation mode for training and testing. (f) the control unit log all transactions in the system to the hard disk's).</p>	Same as Sl. No. 32
49.	Page no - 2 point no -2 . LINE TRANSFER ZONE/LINEAR COUPLER:	Same as Sl. No.33

	<p>Linear coupler is generally used in hospitals with multiple lines combined with high send frequency. Therefore hospital need to add some more important points.</p> <p>To be read as --</p> <p>a. Compact CTU is need for high transportation. b. NEED TO BE DELETED / THIS FEATURES ARE ONELY ONE COMPANY c. Carrier Transport must be channelled at each CTU entry.</p> <ul style="list-style-type: none"> * Designed for intensive use * Long lifespan * Easy installation * Service and maintenance friendly, requires a minimum of service * Low energy consumption * Meets the CE guideline 2006/42/EC for mechanical engineering and the EMC standard 2004/108/EG 	
50.	<p>Page no - 3 point no -4 Top Load station 160mm.</p> <p>Page No -3 point no – 3</p> <p>Side channel blower power consumption 5.5/6KW - 3phase</p> <p>To be read as - 3.0/4.0 KW - 3 phase</p>	Tender terms & conditions prevail
51.	<p>Page no - 4 point no -6</p> <p>AUTO UNLOAD CARRIERS WITH RFID:</p> <p>No special carrier to be allowed. It is x3 cost high compare to normal carriers. It is bearing a huge recurring cost for the institutions in near future.</p> <p>To be read as --- Carrier Compatibility: carriers are compatible with the whole system STATIONS. NO SPECIAL CARRIERS allowed for Auto-unloading stations</p>	Same as Sl. No.10
52.	<p>Page no - 5 point no -7</p> <p>Multi Receive station & Multi send station</p> <p>It is very confusing -- 1. You already ask 2 Auto unloading stations in Core Laboratory area then why another 3 + 3 Multi sending and multi receiving stations. No use of that.</p>	Same as Sl. No.42

	This stations needs to be deleted.	
53.	<p>Page no -6 point no – 8</p> <p>Sl no 3 to 5 are seems for particularly one company so specifications are need to be more generalised.</p> <p>to be read as 1 - display with multifunctional operation screens same as Top loading. (2) Needs to be deleted (3) Needs to be deleted (4) Needs to be deleted. (5) Needs to be deleted (6) Needs to be deleted</p>	Tender terms & conditions prevail.
54.	We should be allowed to quote in Foreign Currency and get a letter of Credit in the favour of our Foreign Principle.	Same as Sl. No.23
55.		
56.	<p>Page No. 1 of Volume 04 – Technical Specification</p> <p>4. The Carrier or Container should be able to carry load weighing upto 7 kgs.</p> <p>Page No. 1 of Volume 04 – Technical Specification</p> <p>4. The Carrier or Container should be able to carry load weighing upto 3 kgs.</p> <p>Remarks: This should be amended as 3 kgs carrier is sufficient.</p>	Same as Sl. No.-6
57.	<p>Page No. 3 of Volume 04 – Technical Specification</p> <p>3. Side Channel Blower with Speed Control (VFD)</p> <p>3. b. Independent Blowers of maximum power consumption of 5.5/6 KW, 3-phase 400v/50Hz.</p> <p>Page No. 3 of Volume 04 – Technical Specification</p> <p>3. Side Channel Blower with Speed Control (VFD)</p> <p>3. b. Independent Blowers of maximum power consumption of min 2.2 - 2.6 max KW, 3-phase 400v/50Hz.</p> <p>Remarks: This point is company specific and it has with one OEM only, therefore it should be</p>	Same as Sl. No.50

	deleted.	
58.	<p>Page No. 3 of Volume 04 – Technical Specification</p> <p>3.c. It should be provided with all the mounting accessories and soundproof enclosure.</p> <p>Page No. 3 of Volume 04 – Technical Specification</p> <p>Should be deleted</p> <p>Remarks: This point is company specific and it has with one OEM only, it should be deleted.</p>	To be provided with all accessories and mounted on vibration proof arrangement.
59.	<p>Page No. 4 of Volume 04 – Technical Specification</p> <p>4. TOP LOAD STATION160mm</p> <p>Para 1: NW 160 mm front load Stainless steel station, pass through type having LCD display, backlit, soft membrane touch buttons, 5 line display with 16 characters on each line including RFID reader circuit board and optical sensors built-in pneumatic pressure trough passage for sample safety.</p> <p>Para 7: Front load stations should be equipped with RFID Readers for container ID and inventory, which should ensure automatic container redistribution to its home address & also non-acceptance of any items than authorized container.</p> <p>Page No. 4 of Volume 04 – Technical Specification</p> <p>4. TOP LOAD STATION160mm</p> <p>Para 1: NW 160 mm top load Stainless steel station, pass through type having LCD display, backlit, soft membrane touch buttons, 5 line display with 16 characters on each line including RFID reader circuit board and optical sensors built-in pneumatic pressure trough passage for sample safety.</p>	<p>Same as Sl. No.43</p> <p>Same as Sl. No. 34 & 43</p> <p>Same as Sl. No.9</p>

	<p>Para 7: Top load stations should be equipped with RFID Readers for container ID and inventory, which should ensure automatic container redistribution to its home address & also non-acceptance of any items than authorized container.</p> <p>Kindly amend the same</p>	Same as Sl. No. 34 & 43
60.	<p>Page No. 4 of Volume 04 – Technical Specification</p> <p>5 (k) Should be provided with OEM carrier rack to store minimum 10 nos. carriers.</p> <p>Page No. 4 of Volume 04 – Technical Specification</p> <p>It should be deleted.</p> <p>Remarks: In automatic unload station, there is no carrier rack is required as it doesn't exit, therefore carrier bag is not required.</p>	Same as Sl. No.12
61.	<p>Page No. 4 of Volume 04 – Technical Specification</p> <p>6.a. Auto Unload Carriers for hospital-laboratory use should be with easy to operate, with swivel top mechanism, sealed load chamber to prevent contamination of tubing in the unlikely event of spill of transported goods. Auto unload carriers should be such that no manual handling be required during unloading.</p> <p>Page No. 4 of Volume 04 – Technical Specification</p> <p>6.a. Auto Unload Carriers for hospital-laboratory use should be with easy to operate, to prevent contamination of tubing in the unlikely event of spill of transported goods. Auto unload carriers should be such that no manual handling be required during unloading.</p> <p>Remarks: Standard carriers are of swivel tops. For auto unload carriers, there is no need of swivel tops, therefore it should be deleted.</p>	Same as Sl. 10
62.	<p>Page No. 5 of Volume 04 – Technical Specification</p> <p>6.j. The carrier should be minimum 300mm, compatible with the 160mm transfer line system.</p>	Same as Sl. No.21

	<p>Page No. 5 of Volume 04 – Technical Specification</p> <p>6.j. The carrier should be minimum 240mm, compatible with the 160mm transfer line system.</p> <p>Remarks: The standard size of carrier is 240mm, therefore it should be amended as 240mm.</p>	
63.		
64.	Completion in 3 months is too less. Kindly extend it.	Tender terms & Conditions prevail
65.	Request you to kindly reconsider L.D clause.	Tender terms & Conditions prevail
66.	Performance security 10%- Request you to kindly reduce it to 5 %.	Same as Sl. No.24
67.	Is security money and performance security different or same? Please clarify.	There are two security money requirements for the tender. One is Bid security(EMD) to be submitted before the date & time at the venue of submission of tender as per the tender document. Another Performance security which is required to be provided after finalisation of tender and issue of the Notification of award by HSCC.
68.	BID SUBMISSION DATE EXTENSTION REQUEST- Due to Covid-19 situation we have several limitations so, request you to please extend the last bid submission date by <u>9th November 2020.</u>	Extension of date of submission of bid mentioned below.
69.	Kindly accept quote in foreign currency (Euro) through L.C for imported material and Installation commissioning & CMC in INR.	Same as Sl. No.23
70.	Kindly make warranty/DLP for 2 years and CMC for 8 years. In this case also total DLP stands 10 year.	Tender terms & conditions prevail
71.	Civil work including core cut, wall breaking etc. in whose scope? Kindly clarify.	All such works are in the scope of PTTS vendor.
72.	Space for material storage in lock & key at site will be provided by institute? Please clarify.	PTTS vendor has to find out at site.

73.	Aerocom GmbH do not make top loading station. We supply front loading station which is latest technology and user friendly and bottom loading station as end station. Kindly make it Top loading/Front loading. Please also allow us to use 6 bottom loading station as end station as per design requirement.	Same as Sl. No.43
74.	One multi send & multi receive station for lab in hospital block and 2 Auto unload station in two labs of teaching block. Kindly change in BOQ. Accordingly.	Same as Sl. No.42
75.	Our all carriers are compatible for all stations including auto unload station. No separate carriers are required for AUTO UNLOAD STATION which is advantage to customer.	Same as Sl. No.10
76.	We can only integrate with tube items of other vendor not electronic items.	Tender terms & conditions prevail
77.	We use linear coupler for zone transfer.	Line Transfer zone/Linear Coupler for zone transfer
78.	Kindly amend system speed as 3-8 mtr/sec.	Same as Sl. No.5
79.	We supply standard carrier length having 330 mm.	Same as Sl. No.21
80.	We supply different colour carrier for colour code not colour band. Kindly make colour band or different colour carrier in tech specs.	Same as Sl. No.16
81.	We supply PVC tube thickness 3.2 mm.	Same as Sl. No.17
82.	Bidder shall have service Centre at Raebareli. Request Bidder must declare that they have local service engineer and they shall further establish service centre in Raebareli upon successful award of contract prior to commission of the PTTS system.	Bidder must declare that they have local service engineer to attend within the down time during DLP and CMC as per tender and they shall further establish service centre in Raebareli/Lucknow/Delhi upon successful award of contract prior to commission of the PTTS system.

The bid submission date is extended from 23.10.2020 to **02.11.2020** and bid security should be valid for 180 days from the date of original bid submission i.e. from 23.10.2020.

All other terms & conditions remain unchanged.

Chief General Manager, HSCC (I) Ltd.
As Executing Agency of Ministry of Health & Family Welfare