HSCC/SES/PTTS/PGI/Neuro Science/2023 Date: 10.03.2023

All Bidders

Amendment-IV

Subject: Execution including Supply, Installation, Testing & Commissioning of Pneumatic Tube Transfer System (PTTS) for Advanced Neuro Science Centre at PGIMER, Chandigarh

Tender No: HSCC/SES/PTTS/PGI/Neuro Science/2023 Date: 02.02.2023

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.	**Page No. 01 of Vol-IV, Para No.2 - Scope of work** 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 Bends, Cables and other miscellaneous accessories, Diverters and Linear Coupler/Line Transfer zone etc. from BOQ. **Kindly clarify, as the tender BOQ is stated for complete system, and that devices from another make work with any other make.**	Bidder shall quote all items of the BOQ. PTTS Contractor should be responsible for Execution including Supply, Installation, Testing & Commissioning of Pneumatic Tube Transfer System.
2.	**Page. No. 01 of Vol-IV, Para No.3 - Scope of work** 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.	PTTS Contractor should be responsible for Execution including Supply, Installation, Testing & Commissioning of Pneumatic Tube Transfer System.

	Kindly clarify, and provide complete details of quantity of other items, as the tender BOQ is stated for complete system, and that devices from another make work with any other make.	
3.	**Page No. 02, Point No. e) of Vol-IV, Technical Specification- Main Control System** All components of the PTTS should be constantly monitored; the operating software has to be based on action-reaction control for any carrier. The status of each carrier should be checked by the master control unit/system. **Kindly clarify, what does action-reaction control mean - as our system is PC SW driven and controlled and what kind of document is required to be submitted with technical bid for this specific point.**	Tender terms & conditions prevail.
4.	**Page No. 04, Point No.5, Para No.4 of Vol-IV, Technical Specification** ….**I**t should be Microprocessor-controlled **Kindly Amend as follows:** "**I**t should be Microprocessor/ PC + Software controlled" **Remarks:** As every manufacturer has their own pattern design and technology, minor differences will always be there. You are requested to please amend the same for wider participation. Kindly revise the same for wider participation.	Tender terms & conditions prevail.
5.	**Page No. 36, Point No. 1.5** Dimensions: (60 x 50 x 50 cm) Approx. to occupy least possible **Kindly DELETE the dimensions, as every manufacturer has their own pattern, design and technology, minor**	Tender terms & conditions prevail.

	differences will always be there. You are requested to please amend the same for wider participation. Kindly revise the same for wider participation.	
6.	**Page No. 06, Point No.7, Point No. e) of Vol-IV, Technical Specification- Carrier with RFID** Standard 160mm Carrier Loading Dimensions are 330 x 160 mm. **Page No. 02, Point No.8 of Vol-V, BOQ** Standard 160mm Carrier Loading Dimensions are 330 x 160 mm. **Kindly Amend as follows:** Standard 160mm Carrier Loading Dimensions are 330 x 120 mm. **Remarks:** As in 160mm OD system carrier can only be 330x120mm OD. It must be a typing error.	Standard 160mm Carrier loading dimension may be read as Standard 160 mm Carrier Loading Dimensions are (324 - 330) mm x (120 - 151) mm.
7.	**Page No. 11 of Vol-IV, Technical Specification- Manufacturer's Authorization** ...quality certificates as per the standards mentioned in the tender documents i.e., BIS/US FDA/European CE Certified with 4 digit notified body number for the following equipment/item **Kindly Amend as follows** ..... quality certificates as per the standards mentioned in the tender documents i.e., conforming to DIN 6660/6663 EEC/EMC/EN/EU directives and EC declaration for conformity form OEM for the following equipment/item. **Remarks:** For PTIS, there is no 4 digit European CE certified notified body number & BIS/US FDA. OEM self-declaration for EC declaration of conformity is accepted	**Page No. 11 of Vol-IV, Technical Specification- Manufacturer's Authorization** ...quality certificates as per the standards mentioned in the tender documents i.e., BIS/US FDA/European CE Certified with 4 digit notified body number /DIN 6660/6663 EEC/EMC/EN/EU directives and EC declaration for conformity form OEM for the following equipment/item

	globally.	
8.	**Page No.3 of Vol-I, Estimated Cost** Estimated Cost (Rs.) - Rs. 1.80 Cr. **Kindly Amend the Budget to Rs 3.80 Crores.** **Remarks:** This tender's budget is insufficient. **It** appears that this is based on prices for PTIS from several years ago. Global prices have risen over the past several years and more-so post COVID and the Ukraine war volatility. The budget for this tender should be between **Rs 3.80- 3.90 Cr** as per given the BOQ.	Tender terms & conditions prevail.
9.	**Page No.3 of Vol-I, Period of Completion** **Period of Completion -** 4 months. **Kindly Amend Period of Completion to 9 months** **Remarks: There** is a global shortage of electronics and semi-conductors post COVD 19 and the war and other global factors. Standard completion period in the current situation is 6 - 9 months.	Tender terms & conditions prevail.
10.	The project estimated cost of Rs. 1.80 Cr. is insufficient in accordance with the BOQ specified in the tender. The project cost should be about Rs. 4.00 Cr. Therefore, we request you to kindly revise the estimated cost of the given relevant tender to enable us and others to participate.	Tender terms & conditions prevail.
11.	As per Vol-I, Prequalification Document, Page No. 3, Table Column Estimated Cost (Rs.) of Tender Document. Estimated Cost (Rs.) 1.80 Cr. To be read as Estimated Cost (Rs.) 3.5 Cr to 4.0 Cr	Tender terms & conditions prevail.

	Budget in this tender is absolutely inadequate. It seems this based on 5 year old P'Fl'S prices. Post Covid and Ukraine war the prices have been increased globally. Given the BOQ for this tender the budget should be around 3.5 Cr to 4 Cr.	
12.	As per Vol-I, Prequalification Document, Page No. 3, Table Column Period of Completion of Tender Document. Period of Completion: 4 Months To be read as Period of Completion: 6 - 9 Months 4 months is less time for SITC of PTTS. There is world wide shortage of electronics, chip boards. Hence we request you to kindly extend completion of SITC up to 6 to 9 months.	Tender terms & conditions prevail.
13.	As per Vol-IV, Technical Specification, Page No.1, Scope of Work, Para No.2 of Tender Document 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.	Bidder shall quote all items of the BOQ. PTTS Contractor should be responsible for Execution including Supply, Installation, Testing & Commissioning of Pneumatic Tube Transfer System.

	To be read as Please refer to BOQ. Since this is the fresh procurement all line items are mentioned in your tender document will be part of NOA. Kindly Clarify this point.	
14.	As per Vol-IV, Technical Specification, Page **No.1,** Scope of Work, Para No.3 of Tender Document PITS contractor should be responsible for connection and integration with installed pipelines, Diverters and Line Transfer zone/ Linear Coupler of PITS by some other vendor and make it fully functional. In case of incomplete installation of pipeline system of PITS is there at site by other vendor, the PITS contractor should complete is as per further order and approved SLD/Drawing and make it fully functional. Kindly Clarify? Kindly Clarify what are the other vendor materials if there are any materials at site. If so Please provide complete detail of same, if any. You are hereby also inform that equipment like diverter from other makes cannot work with equipment with another makes.	PTTS Contractor should be responsible for Execution including Supply, Installation, Testing & Commissioning of Pneumatic Tube Transfer System.
15.	As per Vol-IV, Technical Specification, Page No. 1-2, Main Control System, Point No. e) of Tender Document All components of the PITS should be constantly monitored; the operating software has to be based on action-reaction control for any carrier.	Tender terms & conditions prevail.

	PTS systems are software driven and controlled by PC by way of high speed communication and software program instruction Kindly clarify as what does this point mean as "action-reaction" and what documents are to be provided for this?	
16.	As per Vol-IV, Technical Specification, Page No.4, Multi Receive Station, 4th Line of Tender Document It should be Microprocessor- Controlled. To be read as It should be Microprocessor/ PC+ Software Controlled. Every manufacturer has its own design and technology. Our system is PC+ software driven based which is better. The same point was amended and accepted in NIT No.: HSCC/SES/PTTS/AIIMS/Raebareli/2020 Dated: 20.10.2020 You are requested to kindly dilute the specification for wider participation.	Tender terms & conditions prevail.
17.	As per Vol-IV, Technical Specification, Page No.5, Compact End Station, s'" Line of Tender Document 1. 7" touch screen display with multifunctional operation screens To be read as 1. 7" - 9" touch screen display with multifunctional operation screens. Every manufacturer has its own design and technology. Swiss log system offers 9" display based which is better.	Tender terms & conditions prevail.
18.	As per Vol-IV, Technical Specification, Page No.5, Compact End Station, Last Line of	Tender terms & conditions

	Tender Document Dimensions: (60 x 50 x 50cm) Delete You are requested to kindly dilute the specification for wider participation. This is too specific. Every manufacturer has its own design and technology. Kindly delete the specific dimensions.	prevail.
19.	As per Vol-IV Technical Specification, Page No.6, Carriers with RFID, Point No. e of Tender Document Standard 160mm Carrier Loading Dimensions are 330 x 160mm. To be read as Standard 160mm Carrier Loading Dimensions are 330X 120mm. There must be a typo error in writing the dimensions. Kindly amend the same.	Standard 160mm Carrier loading dimension may be read as Standard 160 mm Carrier Loading Dimensions are (324 - 330) mm x (120 - 151) mm.
20.	As per Vol-V, BOO Page No.2, Item No.8 of Tender Document Standard 160mm Carrier Loading Dimensions are 330 x 160mm. The same point was amended and accepted in NIT No.: HSCC/SES/PTTS/AIIMS/Raebareli/2020 Dated: 20.10.2020 and NOA issued to us for Raebareli.	Standard 160mm Carrier loading dimension may be read as Standard 160 mm Carrier Loading Dimensions are (324 - 330) mm x (120 - 151) mm.
21.	As per Vol-IV, Technical Specification, Page No.6, Diverters (Three-Way), s-s" line of Tender Document	Tender terms & conditions

	... with self-adjusting Teflon gasket providing airtight operation.... To be read as ... with self-adjusting Teflon gasket! Gear driven S-tube technology providing airtight operation .... Every manufacturer has its own design and technology. Swisslog system offers Diverter which is Gear-driven S-tube technology, air sealed based which is better.	prevail.
22.	As per Vol-IV, Technical Specification, Page No.7, Forwarding Tube (Grey & Transparent), 2nd Line of Tender Document PVC of 160 mm Outer Diameter and 153-154 mm (approx.) Inner Diameter To be read as PVC of 160 mm Outer Diameter and 153.6 mm (approx.) Inner Diameter (with tolerance of 1 mm) You are requested to kindly dilute the specification for wider participation. The World-Wide PITS Standard OD of U-PVC tube is 160mm with thickness of approx. 3.2mm. There by inner diameter of 153.6 mm considering 3.2mm in ID & OD. There is no PTTS U-PVC tube of 160mm OD with 153mm ID, there by giving the thickness of 7mm which will not accommodate / allow PTTS Carrier for 160mm System to travel through these tubes and bends. Kindly Correct the same.	Tender terms & conditions prevail.
23.	As per Vol-IV, Technical Specification, Page No. 11, Manufacturer's Authorization, 2nd - 3rd Line of Tender Document Quality certificates as per the standards	**Page No. 11 of Vol-IV, Technical Specification-Manufacturer's Authorization**

	mentioned in the in the tender document i.e., BIS/ US FDA/ European CE Certified with 4 digit notified body number for the following equipment/items • For all major equipment like Main Control System, Blower, Diverter, Carrier, Loading & Receiving stations, Tubes To be read as Quality certificates as per the standards mentioned in the in the tender document i.e., Declaration of Conformity i.e. EEC/EMC/EN ~~BIS/ US FDA/ European CE Certified with 4 digit notified body number for the following equipment/items~~ For all major equipment, like Main Control System, Blower, Blower, Diverter, Carrier, Loading & Receiving stations, Tubes Latest applicable technical directives are Confirming to 2014/30/EU EMV directive (Official journal C246 from 13.July 2018). 2006/42/EG Machine directive (Official journal L 157. S.24 - 09.June 2006) which are latest directives. No BIS/ US FDA/ European CE Certified with 4 digit notified body number for the PTS System. Self-declaration by OEM is accepted. Refer NIT No.: HSCC/SES/PTIS/ All MS/Raebarel i/2020 Dated: 20.10.2020 No Certification required for Central Control Unit & PC, For Blower, Diverter,	...quality certificates as per the standards mentioned in the tender documents i.e., BIS/US FDA/European CE Certified with 4 digit notified body number /DIN 6660/6663 EEC/EMC/EN/EU directives and EC declaration for conformity form OEM for the following equipment/item

	Stations - Declaration of Conformity i.e. EEC/EMC/EN is applicable. For Tubes & Bends - DIN Standard for B Classification for Flammability, Certificate applicable. Swisslog systems conforming to are Confirming to 2014/30/EU EMV directive (Official journal C246 from 13.July 2018). 2006/42/EG Machine directive (Official journal L 157. 5.24 -09.June 2006) which are latest directives. Kindly amend the same.	
24.	**Page no. 3 of Volume 4, Point no. 3, Technical Specification** **Side Channel Blower with Speed Control (VFD)** Independent Blowers of maximum power consumption of 5.5/6 KW, 3-phase 400v/50Hz each. Amendment Request Independent Blowers of maximum power consumption of min **2.2 - 2.6 max KW**, 3-phase 400v/50Hz. Exiting point is company specific and it has with one OEM only. Kindly amend the same for better productivity and durability and fair competition	Tender terms & conditions prevail.
25.	**Page no. 3 of Volume 4, Point no. 4, Technical Specification** **Top Load Station 160 mm** 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.	Tender terms & conditions prevail.

	Amendment Request **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. Kindly amend the same.	
26.	**Page no. 3 of Volume 4, Point no. 4, Technical Specification** **Top Load Station 160 mm** 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. Amendment Request Design – All Stations must have a modern front loading with a safety door and must be manufactured of moulded hygienic **closed cell steel.** Kindly amend the same for better productivity and durability	Tender terms & conditions prevail.
27.	**Page no. 4 of Volume 4, Point no. 5, Technical Specification** **Multi Receive Station** The Pneumatic Station should be able to send and receive containers from the same unit. Inserting a container into the pneumatic station and selecting a target number should be possible independent from system status. Amendment Request The Pneumatic Station should be able to send and receive containers. Inserting a container into the pneumatic station and selecting a target number should be possible independent from system status.	Tender terms & conditions prevail.

	Multi Send & Multi Receive both are different stations. Sending and receiving cannot be done from same unit. Kindly amend the same.	
28.	**Page no. 5 of Volume 4, Point no. 6, Technical Specification** **Compact End Station** 7'' touch screen display with multifunctional operation Amendment Request **5 to 7''** touch screen display with multifunctional operation Kindly amend the same for better productivity and durability	Tender terms & conditions prevail.
29.	**Page no. 5 of Volume 4, Point no. 6, Technical Specification** **Compact End Station** Dimensions: 60 x 50 x 50 cm Approx. to occupy least possible Amendment Request Dimensions: **56 x 48 x 49 cm** Approx. to occupy least possible Existing dimensions of the product in locking and a company specific. Kindly amend the same.	Tender terms & conditions prevail.
30.	**Page no. 6 of Volume 4, Point no. 6 E, Technical Specification** **Carriers with RFID** Standard 160mm Carrier Loading Dimensions are 330 x 160 mm Amendment Request Standard 160mm Carrier Loading Dimensions are **324 x 151 mm**	Standard 160mm Carrier loading dimension may be read as Standard 160 mm Carrier Loading Dimensions are (324 - 330) mm x (120 - 151) mm.

	Existing dimensions of the product in locking and a company specific. Kindly amend the same.	
31.	**Page no. 5, Point no. 1.2** **Completion Period** Completion Period: 4 Months from the date of order of commencement. Amendment Request Completion Period: **6 Months** from the date of order of commencement. As per on ground execution experience 4 months timeline is very less to execute the complete work in proper manner, hence kindly amend the same.	Tender terms & conditions prevail.
32.	**Page no. 3, Point no. 1.2** **Estimated Cost** PTTS Estimated Cost: Rs. 1.80 Cr. Amendment Request **It should be Rs. 4 Cr.** Having examined the BOQ and specification of the tender, estimated cost of the tender is very less as per requirement of the tender. Hence, Requested to kindly increase the budget	Tender terms & conditions prevail.
33.	**BOQ Point No. 2. Line Transfer Zone Mechanism/Linear Coupler:** "It should be 5 Zone, because the stations are only 23. As there is no need of 8 zone for 23 stations. Kindly amend as 5 zone instead of 8 zone".	Tender terms & conditions prevail.
34.	**Specifications Point No. 4. Top Load Station**: You have asked top load station in specifications but in BOQ you have asked front load also. Kindly do same as BOQ : Front load/ Top load	Tender terms & conditions prevail.
35.	**Page No. 11 Manufacturer's Authorization**: You have asked BIS/USFDA/European CE 4-digit notified body number. The European CE 4-digit notified body number is not relevant for	**Page No. 11 of Vol-IV, Technical Specification-Manufacturer's Authorization**

	PTTS.	...quality certificates as per the standards mentioned in the tender documents i.e., BIS/US FDA/European CE Certified with 4 digit notified body number /DIN 6660/6663 EEC/EMC/EN/EU directives and EC declaration for conformity form OEM for the following equipment/item
36.	**Budget is very low as per requirement. We request you to kindly increase the budget at least 25%.**	Tender terms & conditions prevail.

All other terms & conditions remain unchanged.

Chief General Manager
HSCC (India) Ltd.