



CORRIGENDUM - TENDER NO. SCT/IMP/2017-18/P5329/GS - Upgradation of PACS to Enterprise PACS with VNA &
Universal Enterprise Viewer

.For prebid conducted on 10/04/2018 at 10 AM

Changes in page number 3,9,15,20,26,27,28,29,30,31,32,33,38,53,54 & all pages with similar content

Page No	Specification	Matter in tender	SCTIMST 's response – Tender specification to be read as
3	Period of completion of works	2 Months from the date of Purchase Order acceptance	<u>Description is changed to</u> 3 Months from the date of Purchase Order acceptance including data migration.
		India/Global (all pages)	<u>Description is changed to</u> In India or outside India
9	Eligible Tenderer	The Tenderer should have net worth three times the value of the bid and a turnover of four times the bid value for each of the last three financial years ending on 31-03-2017. Provide proof.	<u>Description is changed to</u> The tenderer should submit a certificate from the Chartered Accountant to prove that their net worth and turnover for the last three years ending on 31.3.2017 are three times and four times respectively of the bid value.
		The Tenderer should be more than 15 years+ in PACS business. Provide proof.	<u>Description is changed to</u> TheTenderer must have more than 10 years experience in PACS business. There should be at least one site where the tenderer has supported the maintenance of their own PACS; uninterrupted for more than 5 years. Provide proof.
		The tenderer should be a company registered under the Companies Act, 1956 or registered firm (Indian/Global) since last 3 years. Provide a copy of the certificate.	<u>Description is changed to</u> The tenderer should be a company registered under the Indian Companies Act, 1956 or a foreign registered company. Provide a copy of the certificate of incorporation.
20	List of Existing PACS-RIS hardware/Software for consideration to maintain/upgrade for New enterprise VNA-PACS implementation		<u>Sentences added</u> All servers, backup storage, archival solution to be replaced with new hardware. All other existing hardwares example work stations, digitizer, CD burner which may form part of the new solution will be maintained by SCTIMST.

26	New system solution requirements summary	Two workstations with dual head 2MP colour monitors for cardiology image viewing, presentations.	<u>Description is changed to</u> Six workstations with dual head 2MP color diagnostic monitors for cardiology, radiology image viewing, presentations. Total 9 workstation software licenses for Radiology including 3D post processing (5 for existing units and 4 for new units)
26,29		Required number of hardware / software converters to be provided for connecting non-DICOM devices to the PACS system. 4. Non-DICOM modalities - If the integration of non-DICOM modalities requires any additional hardware/software components or service, the vendor should include this as an option (price per modality connection).	<u>Description is changed to</u> Non-DICOM modalities - If the integration of non-DICOM modalities requires any additional hardware / software components or services, the vendor should include all rates for each such cardiology equipments in the list provided for connectivity in the commercial as a standard item (price per connectivity). The vendor can inspect the equipments at Institute premises through Division of Clinical Engineering.
26	New system requirement and summary	Archival solution for backing images which are more than 10 years old from date of study	<u>Sentence added</u> 30 TB usable capacity (with RAID 6, dual controller , expandable to 100 TB, with all connectivity components) populated with SATA/NL-SAS, each HD of 6TB. Two numbers of spare disks to be populated.
27		Relevant document supporting FHIR (Fast Healthcare Interoperability Resources).	<u>Sentence removed</u>
28	Servers		<u>Sentence added</u> Minimum solution requirement - High availability solution using VM Ware or similar architecture with dual hardware setup having VMotion/similar. The sizing should take care of connecting present 8 modalities + 26 peripherals (work station, printers, scanners) Expecting 10 more modalities in next 3 years.
29	Generic Softwares	Speech software (Existing 5 licenses of NUANCE- upgrade if required).	<u>Sentence removed</u>
30	Software license new		<u>Sentence added</u> The latest version of Speech software and hardware for 5 concurrent users with 10 profiles to be quoted as an optional item.

			The latest version of all software and hardware to be provided for the entire solution.
31	Project deployment	Presence of company engineer at Trivandrum during warranty and AMC for 24 x 7 support.	<u>Description is changed to</u> Qualified, well trained Engineer to be provided by the Vendor at SCTIMST premises for on-site support during warranty and AMC. Engineer to be available during working days for 8 hours duty at SCTIMST and should be attending off duty service calls with priority.
32	Final documentation – Technical bid	If Medical cart is quoted, its detailed configuration, brand, model No., diagram etc.	<u>Sentence removed</u>
33	Quality management system	Cerner / Fujifilm / Agfa Healthcare / GE Healthcare / Carestream / INFINITT / McKesson / Merge / Philips (https://klasresearch.com/best-in-klas/pacs-large-hospital-idn/2018/7-1)	<u>Description is changed to</u> Cerner / Fujifilm / Agfa Healthcare / GE Healthcare / Carestream / INFINITT / McKesson / Merge / Philips as per https://klasresearch.com/best-in-klas/pacs-large-hospital-idn/2018/7-1 or any equivalent firm meeting the klas criteria for selection. In case the firm is not meeting the klas criteria, mention the quality management system being used by the firm.
38	Vendor Neutral Archive Software	Cross enterprise document sharing support (Optional).	<u>Description is changed to</u> Cross enterprise document sharing support (XDS registry and repository with required licenses based on IHE framework)

Description changes in page 53,54

Commercial Products With 5 year warranty+ 5 year AMC and 3 year warranty + 7 year AMC to be provided separately									
Sl	Item Description (Quote with brand and model number) Mention each product, component with the quantity required for the complete solution in detail. Combination not allowed. (Example - Individual Servers, Workstation, Database licence, Operating System/Virtualisation, VNA software components, PACS components, Speech, Reporting, CD Burner etc.)	Unit & Model number	Quantity	Rate in Rs/U SD	Total amount in Rs. (Rate * Quantity)	GST Rate in % (If applicable)	GST Amount in Rs.	HSN Code	Grand Total (Total amount + GST amount)
	Format (Sample)								
1	Server with detailed configuration,licenses (Application 1)	Number							
2	Server with detailed configuration,licenses (Application 2)	Number							
3	Work Station hardware + all work station software,connectivity licenses	Number	6						
4	Work station softwares,cnnectivity licenses for existing	Number	5						

	work station units									
5	CD/DVD Burner unit with PC with all software license	Number	1							
6	Barco Monitors for Work station	Number	12							
7	PACS software licenses, Database licenses, Viewer licenses VNA licenses , XDS licenses, Radiology Report software licenses etc. (All individual line items)	Number								
8	Non Dicom to Dicom conversion software, hardware for each equipment should be quoted separately Refer each items in page no 18	Number								
9	Server with detailed configuration,licenses (Application 3)	Number								
10	License for digitizer (software) (Existing hardware - Vidar)	Number	5							
xx										
A	Total amount (Item 1 to xx)									
B	One time professional charge for Installation, configuration and commissioning									
C	Charge for data migration(Images and Reports) (consult with present PACS provider for format details)									
D	Warranty charge for 3 year / 5 year (Item 1 to xx)									
E	Grand total with warranty for 3 year / 5 year (A+B+C+D)									
F	Grand total with warranty for 3 year / 5 year, inclusive of GST/ anyTax (A+B+C+D+TAX)									
G	Annual maintenance contract with 5 year AMC / 7 year AMC based on total amount (A)									
	4 th /6 th year	Number								
	5 th /7 th year	Number								
	6 th /8 th year	Number								
	7 th /9 th year	Number								
	8 th /10 th year	Number								
	9 th year	Number								
	10 th year	Number								
	Tax									
H	TOTAL FOR AMC (5 year AMC / 7 year AMC) with tax									
I	Grand Total OF ALL ITEMS WITH TAX, WARRANTY & AMC (F+H)									
	Optional									
	Speech recognition software with hardware numbers (5 concurrent user license and 10 profiles)									

Existing HL7 sample messages between HIS and PACS/RIS – customization required depending upon the user requirement at the time of implementation

HIS→ PACS/RIS -- ADT Message Sample

```
MSH|^~\&|HIS|SCT|RIS||20180221200823||ADT^A04|1|P|2.3|||AL|||
EVN|A04|20180221200823|||
PID|||xxxxxx|xxxxxx||20161114^1Y^3M^7D|F||^|||||||||||||
PV1||O|CM^CM|||||||||||||||||||||||||SCTIMST|||20130918202205|||||
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HIS→PACS/RIS – Orders for Scheduling

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MSH|^~\&|SCTHIS|RAD|QDOC|AGFA|20180413084653||ORM^O01|669165|P|2.3|||
PID||CMICU-CM-I|xxxxx|xxxxxx||19510903^66Y^7M^9D|M|||||||||
PV1||I|CM-CMICU^CM-
CMICU|||xxxx.1^xxxxxxxx|||||||||||||SCTIMST|||20180412163958||
ORC|NW|2018-19-
2007.1|||IP||1^^20180413000000^^R||20180413000000|QUADRAT||xxxx.1^xxxxxx|110^CARDI
OLOGY DEPT^^|454|20180413000000|||^^SCTIMST||
OBR|1|2018-19-2007.1||RA5V^MRI CARDIAC + THORACIC AORTA CONTRAST
ENHANCED|R|20180413073015|20180413073015|||||||||1^^20180413000000^^R
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||||xxxxxxxxxxxxxxxxxx;||||

HIS→PACS/RIS – Order Cancellation

MSH|^~\&|SCTHIS|RAD|QDOC|AGFA|20170922173757||ORM^O01|622513|P|2.3|||||
 PID||OPD-NM-O|xxxxx|xxxxxxxx|20080503^9Y^4M^0D|F|||||||||||||||||
 PV1||O|NM-OPD^NM-
 OPD||||xxxx.1^xxxxxxxx|||||||||||||||||||||||||SCTIMST|||||20170922173757||
 ORC|CA|2017-18-
 103857.1|1125396||CA||1^^20200707083500^^R||20200707083500|QUADRAT|xxxxx1.1^xxxx
 xxxx|120^NEUROLOGY DEPT^^|619|20200707083500|||||^SCTIMST|||
 OBR|1|2017-18-103857.1|1125396|RA9D^HIGH DEFINITION BRAIN
 EPILEPSY|R|20170620160915|20170620160915|||||||||||||1^^20200707083500^^R|||
 |xxxxxxxx;||||

HIS→PACS/RIS – Orders for Visit Marking after Payment

MSH|^~\&|SCTHIS|RAD|QDOC|AGFA|20180413080947||ORM^O01|669161|P|2.3|||||
 PID||OPD-NS-O|xxxxx|xxxxxxxx|19601009^57Y^5M^26D|F|||||||||||||||||
 PV1||O|NS-OPD^NS-
 OPD||||xxxx.1^xxxxxxxx|||||||||||||||||||||||||SCTIMST|||||20180413080947||
 ORC|SC|2018-19-
 518.1|1179844||IP||1^^20180413192000^^R||20180413192000|QUADRAT|xxxxx.1^xxxxxx|12
 5^NEUROSURGERY DEPARTMENT^^|20180413192000|||||^SCTIMST|||
 OBR|1|2018-19-518.1|1179844|RA5K^MRI BRAIN + DIFFISION + PERFUSION CONTRAST
 ENHANCED|R|20180404095540|20180404095540|||||xxxxxxxx|||||||||1^^20180413192
 000^^R|||xxxxxxxxxxxxxxxx|||

PACS/RIS→HIS -Order status Update/Reschedule information - ORM

MSH|^~\&|QDOC|AGFA|SCTHIS|RAD|20180413083718||ORM^O01^ORM_O01|547414|P|2.4|||
 ||8859/1
 PID|1|XXXXX|XXXXX|XXXXX|19690820|X||XXXXX XX^^^XXX
 PV1||P|^NS-OPD|||||||||||||A
 ORC|SC|2017-18-
 142996.1|1174900||IP||^^20180413161500^^A||DISIR1||XXXX.1^XXXXXX^^^XXXX|125|||||
 ||125|||A^ARRIVED^QDOC
 OBR||2017-18-142996.1|1174900|RA6D^CT HEAD PLAIN \T\ CONTRAST
 ENHANCED^L^^DSS_MESA^|20180413161500|20180413084400|||||||XXX.1^XXXX^^^XXX
 XX||1174900|755146|||20180413084427||S||^^20180413161500^^A|XXXX.1^XXXX|||^Remar
 kSct1||XX&XXXXXX, x^^^MRI1||20180413161500

PACS/RIS→HIS -- Reports – ORU

MSH|^~\&|QDOC|AGFA|SCTHIS|RAD|20180412183207||ORU^R01^ORU_R01|547362|P|2.4
 PID||xxxx|xxx|xxxx|19561211|M|||^GGBR

PV1||O||||||||||||||||R1804120002
ORC|RE||1181441^170||IP||^20180412080800||DISIR1||xxx^xxx^xx^xx|170^^SCTIMST|
|||||170|||Arrived
OBR|1||1181441^170|RA0L^CT Aortic + Lower Limb
Angio||20180412080800|20180412080800|||||||xxx^xxx^xx^xx|1181441|170^Radiology||
|20180412170145|CT|S|||xxx^xxx||WALK||203&xxx||xx&xxx^20180412080800|&xxx^20180
412175741^20180412175523
OBX|1|FT|||Study Type: CT Aortic + Lower Limb Angio .br\|.br\Clinical
details.br\xxxxxx.br\|.br\TECHNIQUE:.br\xxxx.br\|.br\REPORT
\.br\xxxx.br\IMPRESSION:.br\·xxxx . .br\|.br\Report Status Partially validated / Physician xxxxx,
\.br\|||||S|||20180412170145|RX|203^xxx