Minutes of the Pre-Bid meeting for the procurement of Equipment SPECT/CT Scanner (Gamma Camera) for the Department of Nuclear Medicine, JIPMER, Puducherry

A pre-bid meeting was held for procurement of the following equipment on 3rd August, 2026 at 3.00 pm. in PET-CT Block Seminar hall in the **Department of Nuclear Medicine, JIPMER** under the Chairmanship of the Head of Dept. Nuclear Medicine, JIPMER. The representative of firms and other members attended the meeting in person. Some Members of Vendors attended the meeting through videoconferencing for the following Equipment:

1. SPECT/CT Scanner (Gamma Camera) - 01 no.

Tender BID NO: GEM/2026/B/7794468, Date: 18.07.2026

The following representatives were present in the meeting:

1. Santhosh P., M/s GE Healthcare, pvt. Ltd.
2. Prashanth Shakhadhar, M/s GE Healthcare Pvt. Ltd.
3. Shankar, M/s GE Healthcare Pvt. Ltd.
4. Samson K., M/s Siemens Healthcare pvt. Ltd.
5. Vinay, M/s Siemens Healthcare pvt. Ltd.
6. D. Preethi, S R , M/s Nuclear Medsystems India Pvt. Ltd.

The following members were present at the meeting

7. Dr. Saka Vinod Kumar, Medical Superintendent
8. Dr. Prasant S Adole, Prof. Purchase-in-charge, JIPMER
9. Dr. Nandini Pandit, Professor, (Senior Scale), Nuclear Medicine, JIPMER
10. Dr. Dhanapathi Halanaik, Professor of Nuclear Medicine, JIPMER
11. Dr. Harish Goyal Asst. Professor of Nuclear Medicine, JIPMER
12. Dr. Madhusudhanan Ponnusamy, Addl. Professor & Head, dept. of Nuclear Medicine, JIPMER

The agenda of the meeting was to clarify technical specifications, eligibility criteria, commercial terms, and any queries raised by prospective bidders regarding the tender for the equipment SPECT/CT Scanner (Gamma Camera). After detailed discussion of point to point about the technical Specifications of the above mentioned item, remarks on the specification items modified/ rectified and as proposed by the vendor representatives and approved by the members of the specification vetting committee is given below.

No.*	Existing terms	Queries/Proposed terms	Proposed/Accepted or not			Amendment
			Wipro GE	Siemens	NMS	
	Commercial					
	-	Whether LC will be created	Proposed	Accepted	Accepted	Inland LC will be created.
	Duration for delivery: *15 days*	Delivery of equipment within 180 days from the date of opening of LC + 35 days for installation.	Proposed	Accepted	Accepted	Delivery of equipment within 180 days from the date of opening of LC + 35 days for installation.
	-	Whether invoice for the buyback equipment in the name of the third party vendor who will	Proposed	Accepted	Accepted	Yes. A receipt will be provided by the vendor in return for invoice given by

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		be authorised by the successful bidder be provided.				JIPMER for the buyback equipment.
XII	The supplier or agent will be subject to a downtime penalty *as per institute norms*.	What will be the penalty as per the institution norms. It should not be a monetary penalty but an extension of days of Warranty/CAMC.	Proposed	Accepted	Accepted	For downtime beyond permissible duration, the days of Warranty/CAMC will be extended for the extended duration.
		For replacement of spares: To provide 3 days for locally available spare parts and 7 days for imported spare parts.	Accepted	Proposed	Accepted	For replacement of spares: up to 3 days for locally available spare parts and 7 days for imported spare parts. However, the 3 or 7 days' time limit is the maximum permissible limit and efforts should be taken to replace spares as early as possible.
		Insurance for the equipment should cover till the date of installation.	Accepted	Proposed	Accepted	Accepted and the amendment to that effect will be added (Annexure I).
	Technical					
1st row	Supply and installation of latest technology dual-headed variable angle SPECT/CT with at least *16 or more slices CT*, with advanced workstations, introduced and commissioned within the last 5 years and buy-back of existing SPECT-CT.	Supply and installation of latest technology dual-headed variable angle SPECT/CT with at least *16 physical rows of CT detectors or more*.	No	Proposed	Accepted	No change.
1st row	Supply and installation of latest technology	To remove the 5 years clause.	Accepted	No	Proposed	Amended as "Supply and installation of latest technology dual-headed variable angle SPECT/CT

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	dual-headed variable angle SPECT/CT with at least 16 or more slices CT, with advanced workstations, *introduced and commissioned within the last 5 years* and buy-back of existing SPECT-CT.					with at least 16 or more slices CT, with advanced workstations, and buy-back of existing SPECT-CT."
III 11	System Spatial sensitivity using LEHR Collimator at 10 cm for CFOV better than *160 cpm/microCurie of Tc-99m.*	System sensitivity using LEHR Collimator at 10 cm for CFOV better than *200 cpm/microCurie of Tc-99m in 20% energy window (10% on either side of the photopeak)*	Proposed	Proposed	Accepted	Amended as, "System sensitivity using LEHR Collimator at 10 cm for CFOV better than 200 cpm/microCurie of Tc-99m in 20% energy window (10% on either side of the photopeak)"
IV 9	Anode heat storage capacity: *2 MHU* or better	Anode heat storage capacity: *3 MHU* or better.	No	Proposed	Accepted	No change.
IV 10	Pitch factor (volume pitch) should be variable between 0.5 to 1.5 or better and should be user selectable	Pitch factor (volume pitch) should be variable between 0.5 to 1.5 or better and should be user selectable *without affecting SFOV of at least 50 cm.*	Proposed	Accepted	Accepted	Amended as, "Pitch factor (volume pitch) should be variable between 0.5 to 1.5 or better and should be user selectable without affecting SFOV of at least 50 cm."
IV 11	Scan time for a complete 360 degree scan should be *1 sec or less.*	Scan time for a complete 360 degree scan should be *0.8 sec or less.*	No	Proposed	Yes.	No change.

Vandini Pandit

IV 12	High contrast resolution should be ≥ 15 lp / cm @ 0% MTF.	High contrast resolution should be ≥ 15 lp / cm @ 0 or 1% MTF.	Accepted	Proposed	Accepted	Amended as, "High contrast resolution should be ≥ 15 lp / cm @ 0 or 1% MTF."
VI II 1	Three independent advanced workstation s for SPECT/CT post-process ing, separate from the acquisition cum processing unit.	Three independent advanced workstations *or Thin client server with 3 concurrent licences* for SPECT/CT post-processing, separate from the acquisition cum processing unit.	No	Proposed	Accepted	Amended as, "Three independent advanced workstations or Thin client server with 3 concurrent licences for SPECT/CT post-processing, separate from the acquisition-cum-processing unit."
18 .	Dedicated licensed cardiac software – *4 DM complete package and QGS/QPS/ QBS OR ECToolbox* for Gated cardiac SPECT quantificati on	Dedicated licensed cardiac software – 4 *DM complete package OR ECToolbox, and QGS/QPS/QBS* for Gated cardiac SPECT quantification.	Accepted	Proposed	Accepted	Amended as, "Dedicated licensed cardiac software – either 4 DM complete package OR ECToolbox = 3 quantities of *concurrent permanent licences*, and QGS/QPS/QBS = 1 quantity for Gated cardiac SPECT quantification."
22	Advanced software for assessing future liver remnant (FLR)	Advanced software for assessing future liver remnant (FLR): *OEM or third party software (with CDSCO approval, if applicable) - 1 quantity*	Accepted	Proposed	Accepted	Amended as "Advanced software for assessing future liver remnant (FLR) - one quantity of permanent licence OEM or third party software."
XI I. 10	Voxel-based Nuclear Medicine dosimetry software *(eg. MIM application)*	Voxel-based Nuclear Medicine dosimetry software *(MIM or equivalent)*	Accepted	Proposed	Accepted	Amended as, "Voxel-based Nuclear Medicine dosimetry software (eg. MIM application) - 1 quantity."
III 8	Intrinsic energy resolution (Tc-99m@2 0 kcps,	Intrinsic energy resolution (Tc-99m@20 kcps, FWHM) *equal or less than 9.5%*	Proposed	Accepted	Accepted	Amended as, "Intrinsic energy resolution (Tc-99m@20 kcps, FWHM) equal or less than 9.5%".

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	FWHM) *less than 9.5%.*					
VIII 1	The workstations should be capable of processing studies through all applications simultaneously.	The workstations should be capable of processing studies through all applications simultaneously *with 3 permanent licences.*	Proposed	Accepted	Accepted	Amended as, "The workstations should be capable of processing studies through all applications simultaneously with 3 permanent licences."
IX 11		NORA license may be limited to 1 quantity	Proposed	Accepted	Accepted	Amended as. "NORA - 1 quantity".
IX 20	SISCOM/SISCOS to be provided.	SISCOM/SISCOS *or equivalent* to be provided	Proposed	Accepted	Accepted	Amended as, "SISCOM/SISCOS or equivalent - 1 quantity each with permanent licence to be provided."
	Turnkey-related					
		Increase the duration of completion of project work to 90 days.	-	-	Proposed	No change.
		L1 should be decided based on the new equipment alone.	Proposed	-	-	The buyback option has been selected on GeM and the approved process on the GeM for buyback option will be followed.
		To clarify: Area and the layout for turnkey work, tiling area with the required height, furniture list, storage units, etc.	Proposed	Accepted	Accepted	The entire area of the nuclear medicine department in Superspeciality Block is included. Annexure II: Layout included for turnkey and Annexure III: List of items required.
		Location for UPS placement to be mentioned	Proposed	Accepted	Accepted	The location for UPS will be within the available building and the plan will be made based on consultation with the successful bidder.
		Airconditioning: ductable airconditioning with humidity control is recommended.	Proposed	Accepted	Accepted	Amended as, "Airconditioning for the gamma camera room, console room, and reporting room to be provided as follows: 1. Ductable air conditioning with humidity control. 2. Vendors shall visit the site

Nandini Pandit.

						and decide the suitable type, design, number, and characteristics of airconditioning and dehumidification, such that the recommended temperature and humidity are maintained. 3. Two sets of air conditioning should be provided for the gamma camera room to operate every 12 hours alternately. 4. The existing AHU connection of the hospital to be disconnected during normal use with an option to enable its operation when both the sets of airconditioning fail in extreme situations.
		To mention the list of items offered for buyback.	Proposed	Accepted	Accepted	Gamma camera, LEHR and HEGP collimators, and the cart, acquisition station, and UPS/inverter of the system. Leaded glass and processing workstation are not included.

*Serial number in the technical specifications document.

All above points are considered part of the tender terms.

Any further modification, if required, will be published as a corrigendum on GeM portal or JIPMER website only.

The meeting concluded with thanks to all participants. The prospective bidders were advised to refer to corrigenda/notifications published on GeM and/or JIPMER website.

Signature of the pre-bid meeting attended members:

1. Dr. Saka Vinod Kumar Medical Superintendent

चिकित्सा अधीक्षक / Medical Superintendent
जिपमेर चिकित्सालय / JIPMER Hospital
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Annexure-I

Insurance:

The information on BoE assessment may be given to the purchaser and the payment of customs duty will be made within the office hours of next working day. Insurance (local transportation and storage) would be extended and borne by the Supplier or its Indian Subsidiary/Agent from warehouse to the consignee site for a period including up to the final date of installation, testing, commissioning and handing over of the goods to the consignee. The purchaser will reimburse the actual customs duty paid and the applicable GST. Clearing House Agent charges and demurrage and penalties, if any, on account of delayed customs clearance will not be reimbursed.

Insurance:

Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:

a. In case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from warehouse to warehouse (consignee site) on all risk basis. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.

b. in case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended Insurance (local transportation and storage) would be borne by the Supplier or its Indian Subsidiary/Indian agent from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from warehouse to warehouse (consignee site) on all risk basis. If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

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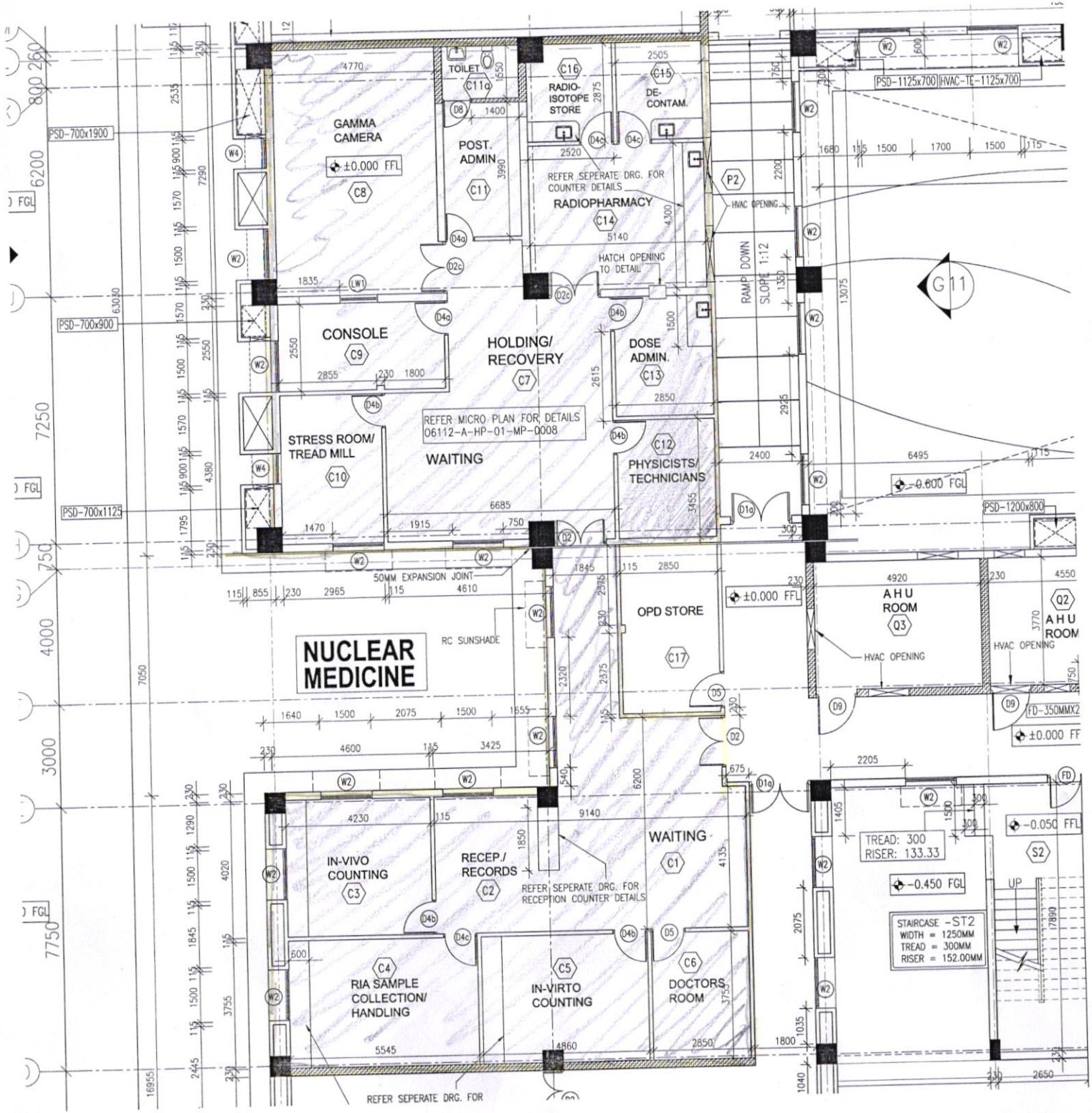

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Annexure - II

Annexure - III

Turnkey items and work included in the tender for Gamma Camera (SPECT-CT):

1. Gamma camera room: vinyl flooring, wall tiling up to false-roof, plywood storage rack with doors (overhead 2 numbers and large floor-based 1 number) for storage of phantoms, and accessories, temperature and humidity monitor, suitable false-roof, lead-lined door, fire-prevention instruments/facilities as per rules.
2. Console room and extended reporting room: Breakage of wall between the existing console and reporting room to provide communication, leaded glass (4 x 5 feet) between console and SPECT/CT room, public addressal system (with separate channels to communicate with gamma camera room, post-admin waiting room, radiopharmacy, TMT room, and cold waiting area), CCTV (in gamma camera room, post-admin waiting area, radiopharmacy, and cold waiting area, and control in the console), overhead storage: 3 numbers, laminated plywood platform for placing acquisition and processing workstations and PCs, 3 power sockets for each workstation and PC -2 numbers with latest configurations, executive chairs = 8 numbers, vinyl flooring, tiling of console and reporting rooms up to false roof.
3. Radiopharmacy: Platforms for holding generator, lead enclosures, isotope dose calibrator, and necessary power sockets, vinyl flooring without any creases or joint spaces, wall tiling up to false roof, angulated wall mounted white coat hanger.
4. Bathrooms:
    a. Patient toilet in post dose administration: retiling of floors and walls up to false roof, wash basin, taps, commode, and health faucet;
    b. Decontamination room (male and female to be created within the existing single bathroom): tiling of floors and walls up to false roof, wash basin, shower, tap, commode, and health faucet.
5. TMT room to be created next to the reporting room: power sockets (5 and 15A) = 10, curtain for changing clothes
6. Technologist room: Vinyl flooring, plywood storage cupboard = 1, table, executive chair and power socket
7. Corridors and the cold waiting area walls to be tiled up to false roof: premium tiles of at least 2 x 2 feet size
8. Nurse room: Tile flooring, plywood storage cupboard = 2, overhead storage cupboard = 1, table, executive chair and power sockets
9. Office room: Tile flooring, plywood storage cupboard = 2, overhead storage cupboard = 21, table, executive chair and power sockets, key storage, notice board, white board

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10. Small space needs to be created at the console or reporting room for UPS batteries.
11. Laboratory and Classroom-Tile flooring, tables/slabs for equipment = 3, overhead cupboard = 3
12. False-roof where necessary to be provided.
13. Vinyl flooring should be sealed tightly between sheets and curved at the wall fronts.
14. Rodent-proof design should be used.

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