



BID CLARIFICATION NOTICE NO.01

BID: Supply, Installation, and Maintenance of Radiology Equipment at UNAM Hage Geingob Campus

BID REFERENCE: G/ONB/UNAM-03/2024

DATE: 13 December 2024

Dear Bidder,

Kindly take note of the bidders' request for clarification and the University's response for your attention:

NO.	CLARIFICATION	UNAM RESPONSE
1	Allowing 3 days to request clarification is too short for such a project. The 13th of December is the last day for clarification requests as the 10th of January reopening will be 14 days before the submission date, from where on we are not allowed to submit any more clarification requests.	Please take note that we will allow clarifications at least 7 days before the closing date.
2	The tender document indicates competitor brand and models by name, which leads to a concern of biased evaluation towards other brands tendered.	There will be no preferences for specific brands, the requested equipment's specifications will prevail for selection based on lowest responsive bid.

3.

3.1 PACS

Do you need a standalone PACS or should a RIS system be included to allow for patient information management and scheduling to allow for planning in the department.

1. PACS + RIS:

- A PACS + RIS system is preferred to allow for integrated patient information management, scheduling, and departmental planning.

2.

- *How Many Doctor Reporting Workstations is required and what resolution Diagnostic Monitors are required(5MP Required for MAMMO Images) Required for reporting by Radiologist.*
- *Do you require Voice Reporting on the Doctor Workstations if yes for how many Doctors*
- *How Long do Images need to be stored.*
- *How Many Studies per year per Modality will be done(Made Provision for in storage). This is directly related to what size storage is needed.*

Doctor Reporting Workstations and Diagnostic Monitors

- **Number of Workstations:** We will require 2 workstations for radiologists, depending on expected workload.
- **Monitor Resolution:** we will need 5MP monitors for mammography and 3MP monitors for other modalities.

Voice Reporting

- Yes, voice reporting is required for all two radiologist workstations.

Image Storage Duration

- Minimum of 5 years for cancer imaging data is expected.

Study Volume and Storage

- Estimated numbers at full capacity, we will need to cater for about:
 - 1500 MRI Scans.
 - CT 4000 per year.
 - Mammo 500.
 - Ultrasound 3000.
 - X-RAY 2500
- Total estimated storage: At least 100–150 TB, allowing for growth over 5 years.

3. How Many user Workstations will be required. At Least one per Modality and One for reception is required.

User Workstations

- Number of workstations:
 - At least one per modality (e.g., CT, MRI, Mammography, Ultrasound, X-Ray).
 - One workstation for reception.
 - One for administrative tasks.

4. Is Specialist 3D Applications required and if so for which specialties. e.g. Cardiac, Urology, Neurology, Gastroenterology etc?

Specialist 3D Applications

- Yes, 3D applications are required for Cardiac Imaging with options to buy additional packages as the need arises.



5. *Do You need High Availability servers and disaster recovery.*
High Availability Servers and Disaster Recovery

Yes, high availability servers and disaster recovery are ideal for uninterrupted operations and data protection. But can you quote the high availability servers and disaster recovery separately, not sure if we will use it at the moment? Additionally, a 5years cloud based server is needed.

3.2 MAMMOGRAM

You refer to target accuracy of 1 mm. Do you require stereotactic biopsy as well and if so do you need a biopsy chair?

1 mm Accuracy Target

Stereotactic biopsy capability is required for precise localisation and sampling in cancer imaging. With that, a biopsy chair is also required for patient comfort during procedures.

3.3 ULTRASOUND

The specifications only describe the actual machine. No Specifications have been given to specifics of the ultrasound probes. Which probes are required with the system. E.g. Lenear, Convex, Vaginal, anal, Cardiac, 3D/4D, MSK etc. Do you require an onboard Printer.

Probes

Required probes:

- Linear for superficial and vascular imaging.
- Convex for abdominal imaging.
- Endocavitary (anal and vaginal).
- Cardiac for echocardiography.
- 3D/4D probes for advanced imaging and reconstruction.
- MSK probes for musculoskeletal imaging.
- **All software packages that support these probes should come activated**

Onboard Printer

Yes, an onboard printer is required for printing images directly during procedures.

Sincerely,

Procurement Management Unit (PMU)