

31-05-2019

Amendment No. 7

Ref.: Tender Enquiry: HITES/PCD/MP-09/CT-MRI-PPP/18-19 dated: 12.02.2019. & subsequent amendments.

Sub: Amendment No.7 to the referred tender enquiry

The following changes are being incorporated in the above referred Tender Enquiry Document

SECTION I
NOTICE INVITING TENDER (NIT)

Existing:

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	31.05.2019, 13:00
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	31.05.2019, 14:00
e.	Time and date of opening of online bids	31.05.2019, 14:30

Read as:

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	20.06.2019, 13:00
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	20.06.2019, 14:00
e.	Time and date of opening of online bids	20.06.2019, 14:30

The revised requirement of CT and MRI facility at the 10 Medical Colleges under Consideration is defined as below:

Sch. No.	Sl. No.	GMC	Hospital Type/ Premises	CT- 64 Slice (with 64 rows of detector)	128 Slice	1.5 Tesla MRI	3 Tesla MRI
1	1	Sagar	Medical College Hospital	Required		Required	N.A
	2	Datia	District Hospital	Required		Required	N.A
	3	Ratlam	Medical College Hospital	Required		Required	N.A
	4	Vidisha	Medical College Hospital	Required		Required	N.A
2	5	Jabalpur	Medical College Hospital	Required		N.A	Required
	6	Chhindwara	District Hospital	N.A		Required	N.A
	7	Shahdol	Medical College Hospital	Required		Required	N.A
3	8	Indore	Medical College Hospital	N.A.	Required	N.A	Required
	9	Shivpuri	Medical College Hospital	Required		Required	N.A
	10	Khandwa	District Hospital	N.A		Required	N.A

The following changes are being incorporated in to the TED terms and conditions:

Existing	Read as
4.ESENTIAL QUALIFYING CONDITIONS	
<p>Revised Clause</p>	<p>The bidders fulfilling all the following conditions would be eligible to apply:</p> <p>4.1.Technical: The Service Provider should be the owner of a diagnostic centre with minimum 16 Slice CT Scan and 1.5 Tesla MRI and have Experience of providing 5,000 CT / MRI Scans (both inclusive) in last 3 years .</p> <p>4.2 Financial Status and credibility: The bidder's Hospital/company / Group Radiology center should have minimum average annual turnover as mentioned below in each of the last three financial years (2016-17, 2017-18, 2018-19). Schedule: 1- Sagar, Datia, Ratlam, Vidisha: 8 crs. Schedule 2: Jabalpur, Chhindwara, Shahdol: 6 crs. Schedule 3: Indore, Shivpuri, Khandwa: 6 crs. If a bidder quotes for more than one schedule, the turn over criteria will be applicable cumulatively and schedules will be awarded based on maximum benefit to the exchequer.</p> <p>4.3 Other: The Bidder should not have been black listed or deregistered by Central / State Government/CGHS at any time.</p> <p>4.4 Any bidder under litigation(s) with Government of Madhya Pradesh will not be eligible for participation in the present tender and an affidavit regarding the same must be submitted along with the bid.</p> <p>4.5 Affidavit Requirement: The bidder has to submit undertakings in the form of affidavits as per Annexure II & IV.</p>
7.19- STAFF	
<p>Added Para</p>	<p>The service provider should ensure that all the technicians employed at the facility are adequately trained to operate the installed machine(s). Periodic trainings to the Technician must be organized by the Service Provider</p>
7.36 EDUCATION & TRAINING ON FACILITY	
<p>Added Clause 7.36-ii) & iii)</p>	<p>The Service provider should ensure the availability of the following journals & Books with proper subscription during the contractual period at the radiology department of the respective GMCs. 1) RCNA 2) AJNR 3) AJR 4) 10 each for CT & MRI , Latest edition, approved by HOD Radio diagnosis. The service provider should ensure periodic training of the GMC Radiologists on the installed machine and also in case of any latest technological advancements/ Software up gradation of the machine</p>

The revised Clause No.24 is as defined below:

24. Minimum Operational requirements, Coils and Accessories:

1. **Special Purpose CT- 64 Slice (with 64 rows of detector)capable to perform Super specialized application such as pediatric radiology, neuro radiology (perfusion), cardiac imaging and so on**

Minimum operational requirements of the machine:

- Cardiac scan package – Ability to do coronary angiograms with high heart rates of up to 100 b.p.m
- Iterative dose reduction techniques for low dose in patients
- Suitable metal artifact reduction for scanning of patients with metal implants, joints/ rods, implants, spine screws etc.
- Routine Dual Energy Applications
- Whole body/ peripheral angiography w/o venous contamination – coverage of 100 mm/secor better at a pitch of 1.
- Prospective ECG Gating and arrhythmia correction
- Rotation-0.4 sec
- Gantry Size: 70 cm or higher
- CT Fluoroscopy facility for interventional work.
- Both CT scan & MRI should be a latest platform globally launched in last 5 years in RSNA or ECR
- CT & MRI with OEM workstations having all applications on workstations &/or Main console

2. **Special Purpose MRI (both 1.5 Tesla & 3 Tesla) capable to perform Super specialized application such as pediatric radiology, neuro radiology (perfusion), cardiac imaging and so on**

Minimum operational requirements of the machine:

- Fibertrack and DTI (Diffusion Tensor imaging) for neuro imaging detailed assessment; Chemical shift imaging for choline (oncology)&whole body
- For Routine Liver imaging
- **Cartigram Analysis: Routine MSK imaging** – specifically for cartilage issues/ joint degeneration
- **Minimum 70 cm bore diameter**

3. The service Provider Should Submit an OEM Certificate on OEM letterhead, stating that it would support the equipment model quoted and would not discontinue the service of the equipment for the next 10 years

4. Both CT & MRI Machines should have dedicated Emergency Life Saving Equipment
5. PACS - For the purpose of image storing and easy access to specialist doctors and radiologist using a VPN & compatible with HIS /RIS. { Cloud based with high end client level server, high speed internet connection(as specified by PACS Provider) & licensed subscription of the software for entire duration of contract with on site & off site maintenance to be provided by vendor.)

6. Coils & Accessories

6.a) The coils & accessories to be supplied along with 1.5 T at Sagar, Datia, Ratlam, Vidisha, Chhindwara, Shahdol, Shivpuri & Khandwa are as below:

- Whole body 1.5 Tesla Magnetic Resonance Imaging system –**at least 16** channels RF system -1
- System Body Coil – Quadrature -1
- "Neuro-vascular Coil with 16 or more channels OR Head / Neck neuro-vascular imaging Coil"-1
- Spine Array/Matrix Coils with **at least 16** channels -1
- Body Array/Matrix coil with **at least 16** channels-1
- "Dedicated **at least 16** channel Peripheral Angio Coil or **at least 16**channel whole body coil with coverage of **minimum 80 cm with max combination of 2 coils - 1 no"- 1**
- Bilateral Breast Coil with at least 16 channels- 1
- Multi channel (minimum 8 channel) flex loop or rigid type - Large FOV -1
- Multi channel (minimum 8 channel) flex loop or rigid type - SMALL FOV-1
- Shoulder coil: Dedicated Shoulder coil – Multi channel -1
- Dedicated Knee Coil with at least 12 channels- 1
- High resolution foot / ankle coil – minimum 8 channel -1
- Suitable Coil Storage Cart should be supplied for keeping the all supplied coils.

The supplied machine should have compatible configuration with all above mentioned coils and accessories.

- Accessories for MRI

- 1) Chiller (for the cryocooler) and gradient amplifiers.
- 2) UPS cum Power Conditioner for the entire system including camera and chiller (gradient and cryocooler) to be supplied with backup of minimum 30 minutes.
- 3) Dual head pressure injector with 500 syringes and 1000 y tubings
- 4) two dehumidifiers for an area of 700 sq feet.
- 5) 6 room thermometers for temperature regulation.
- 6) Two hand held metal detectors for patient safety screening
- 7) Electronic weighing machine -1
- 8) Company Owned additional Dockable trolley or MR compatible Trolley to be provided
- 9) MR compatible Anesthesia machine with Ventilator should be offered of following specification:
- 10) Multipara monitor.

- Gas lines for central O2, nitrous and air

6.b) The coils & accessories to be supplied along with 3T MRI at Indore & Jabalpur are as below:

- Whole body 3.0 Tesla Magnetic Resonance Imaging system - 32 channels RF system ; as specified
- System Body Coil - Quadrature
- 32 channels or more HEAD coil-capable of multi frequency MR spectroscopy (H1).
- NEUROVASCULAR coil - 16 channels
- SPINE: Phased array coil 32 channels
- BODY : Phased array coils 32 channels (single or in combination)
- Suitable Coil / Coil combination (Max 2 no.s) for Peripheral Angiography 32 channels or more
- BREAST coil - 16 channel or more
- Shoulder coil: Dedicated Shoulder coil – Multi channel
- Shoulder coil: Flex coils (Large)
- Shoulder coil: Flex coils (Small)
- High resolution foot/ ankle coil – minimum 8 channel
- High resolution Tx& Rx KNEE coil minimum 8 channel.

Accessories:

- Storage box for all coils
- Dual Syringe Pressure injector
- Dual Syringe Pressure injector syringes
- Dual Syringe Pressure injector syringe connector
- MRI Compatible ECG electrodes (disposable)
- MRI Compatible Anaesthesia Machine with integrated Ventilator, 2 vaporiser, circle absorber
- MRI Compatible Multiparameter Vital Signs Patient Monitor of 5000 Gauss Compliance & Slave monitor
- MRI compatible syringe pump
- MRI Compatible sets of Laryngoscope : 4 sizes blades- Neonatal, paediatrics, adult, extra large
- MRI compatible Magill forceps : Adult size-
- MRI compatible Magill forceps :Paediatric size-
- Stylet for endotracheal tube : Adult size
- Stylet for endotracheal tube :Paediatric size
- MRI compatible Clamps : Either towel clip or artery forceps.
- MRI Compatible IV stands
- MRI compatible suction apparatus
- Non-magnetic patient transfer trolleys
- Metal detectors : Handheld

The supplied machine should have compatible configuration with all above mentioned coils and accessories.

All other contents of the tender enquiry including terms & conditions remain unaltered.

Note:

- i. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.
- ii. If EMD is submitted in the form of BG, then the validity of the BG should be at least 225 days from the date of tender opening.