

North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences  
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)  
Director's Block, Mawdiangdiang, Shillong 793 018 (Meghalaya)

F. No: NEIGR/S&P/H -01/2017 -18/Pt I

Dated: 22.05.2019

**e -TENDER AMENDMENT**

Reference Tender Enquiry No: NEIGR/S&P/OT/E -14/2018 -19 for processing of 3.0 Tesla MR Scanner, with 5 years warranty, thereafter 5 year CMC and with complete turnkey works, for department of Radiodiagnosis and 2<sup>nd</sup> pre bid /clarification session held on 15.05.2019 .

The following amendment /addendum are hereby being considered against the technical specification of 3.0 Tesla MR Scanner:-

1. "Please mention the year of launch of the quoted model".

*May be read as*

"The system should be launched after 2016 and should be supplied with latest revision of software. Product launched prior to 2016 with only new version / software update will not be considered as latest platform."

2. Sl no .1 c) Homogeneity (iii ) *May be read as* "Homogeneity of the Magnet must be < 1 ppm @ 40 cm DSV."
3. Slno3.Gradient System a) General ii:-Minimum Gradient Strength should be 44mT/M or More along each axis and a slew rate of 200 T/m/s in each axis.

*May be read as*

"Minimum Gradient Strength should be 44mT/M or More along each axis with 32 independent RF receiver channel and a slew rate of 200 T/m/s in all axis simultaneously.

4. 3.Slno3. b) Resolution Parameters (i):- Maybe read as "The Field of View should be 50 cm or more in each axis (X,Y,Z)."
5. Slno4 RF Transmitter, Receiver, Coils ,e) Coils (in addition to the in-built body coils) (iii):- Maybe read as "Neurovascular coil (16-channel or more) for neurovascular applications. If separate neck coil can work in combination with head coil, then the neck coil is to be included at no extra cost and the vendor should make sure NV application is satisfied."
6. Slno4 RF Transmitter, Receiver, Coils, e) Coils (in addition to the in-built body coils) (iv):- Maybe read as "Spine array coil (24 Channel or more)".
7. Slno4 RF Transmitter, Receiver, Coils, e) Coils (in addition to the in-built body coils) (v):- Maybe read as "Body array coil/Phased Array coil (12 Channel or more ); If a single coil is not available with the vendor, then a combination of 2 coils should be quoted (capable of single station Cardiac / abdominal imaging), so that the resolution. Over 40 FOV is not compromised".
8. Slno4 RF Transmitter, Receiver, Coils, e) Coils (in addition to the in-built body coils) (xi):- Maybe read as "Deleted".
- 9.sl no 5 Computer Control System e) CD/DVD and Blu Ray archival ii):- Maybe read as "Deleted".
10. 6. Sl no 7. Post Processing & Evaluation "(i) Licenses of all the post processing and evaluation packages should be provided for the main and additional console /Workstation".

May be read as

" (i) Licenses of all the post processing and evaluation packages should be provided for the main and all additional console /Workstation are as follows

- a)Cardiac Evaluation Package
- b)ADC/Neuro Perfusion
- c)f MRI
- d)DTI
- e)Spectroscopy".

11. Optimized sequence Packages *May be read as* "Deleted".
12. k) Whole Body Diffusion *May be read as* "DWIBS Or equivalent with PET like imaging".
13. Sl no 9. Quality assurance and Phantoms (ii) *May be read as* "It should be possible to provide the QA report quarterly to the Radiology Department for records".
- 14.Sl no .13 "Other Accessories point no (ii) *May be read as* "Necessary Desk, chair and Rack for the PACS Server & Workstation to be provided by the supplier & RF Cabin Should be provided."
12. Slno11. Standard MRI Accessories "point iii)MR Compatible (Minimum5000 Gauss line )Cardiac and physiological monitor (ECG,NIBP,SPO2) for neonates/infants/Adults (with all accessories for five Years (in vivo / Iradimed /equivalent models) & point iii) MR Compatible anesthesia machine(for pediatric and adult use ) with dual vaporizers (for Isoflurane /halothane )and other accessories minimum100 Gauss line) (Penlon/Leon/equivalent models )

May be read as

“Deleted”

13. Sln011. Standard MRI Accessories “point (iv) *May be read as* “MR Compatible Dual Pressure injector MRI Compatible with dual head injector with Syringe size as 65 and 115 ml. Facility to incorporate various e GFR calculators & KVO, Facility to arm & inject from the injector Head& having facility to having interface with contrast dose management along with contrast warmer capacity of 100ml of 20 vials , Quantity: 25 syringes and tubings /year needs to be supplied in a staggered manner for nest 5 years .”

14. Page no 40 ,b)Additional Work Stations ,Configuration “1 no server and 3 no’s clients/nodes .1 user license for each application to be provided as standard.

May be read as

“1 no server and 3 no’s clients/nodes .3 no of concurrent license for each application to be provided as standard”.

Additional points for the Technical Specifications of 3T MRI :

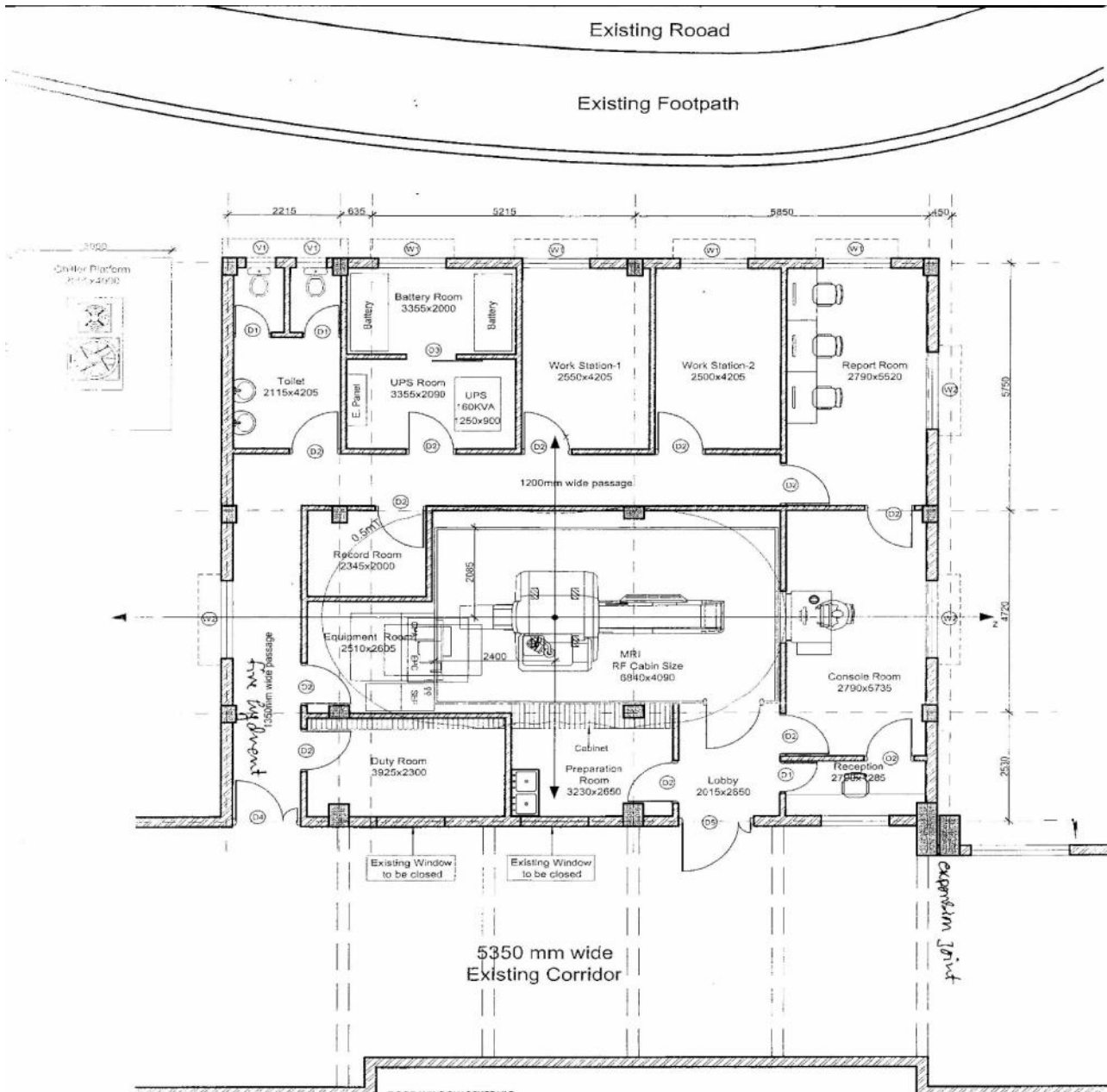
15. The system should be quoted with following features

1. Bio matrix / Vital Eye / Equivalent features
2. Compress Sensing Imaging /Equivalent features
3. Hardware based MR Electrography/Equivalent features
4. Synthetic Brain facility /Equivalent Features

16. Noise level inside the examination room should be as minimum as possible. Latest techniques like Slenz/Petra/Quiet suite/Silent scan should be offered as standard. Sequences with gradientwave modification for extremely quiet imaging without compromise on slew rate or peakamplitude or image quality should be provided. The decibel levels should be 85 dB or less. List the sequences offered under silent/quiet technology.

17. The Civil/Electrical /Turnkey work has to be completed as per the attached drawing & must complied with the technical Specifications.The supplying & laying of electrical cabling (from the Hospital main panel room to the MRI LT panel must be included in the turnkey works .The rooms must be connected through LAN & telephone cables internally .Light Dimmer Control must be provided in the console reporting & the work station rooms.

18.The prices of Accessories /Consumables (for both the system /third party items )which are not covered under warranty & CMC period has to quote in Schedule XI as percentage value in the technical bid or else will be consider to be cover throughout the warranty & CMC period .



**DOOR WINDOW SCHEDULE:**

SYMBOL	DESCRIPTION	CLEAR WIDTH OF OPENING	CLEAR HEIGHT OF OPENING	CILL LEVEL	NO.
D1	Single paneled flush door	750MM	2100 MM	----	3
D2	Single paneled flush door	1000MM	2100MM	----	12
D3	Single paneled sliding 1 hour fire rated door	1000MM	2100MM	----	1
D4	Double paneled flush door	1350MM	2100MM	----	-
D5	Partially glazed aluminium frame door	1500MM	2100MM	----	-
W1	Openable Window	1350MM	2100MM	900	4
W2	Openable Window	1800MM	2100MM	900	3
V1	Openable ventilator with aluminium frame	600MM	2100MM	1500	2

All the previous amendments prior to this amendment said tender will be treated as cancelled.

Note: The last date and time of submission of bids is extended upto 1400 hours of 07.06.2019.

All other terms and conditions remains the same.

For further details regarding amendment, addendum, extension and downloading of documents, please visit website: [www.eprocure.gov.in](http://www.eprocure.gov.in) /[www.neigrihms.gov.in](http://www.neigrihms.gov.in); Tel/Fax: 0364-2538032; E-mail: [storeneigrihms@gmail.com](mailto:storeneigrihms@gmail.com).

Sd/-  
Stores & Procurement Officer,  
For and on behalf of Director, NEIGRIHMS

