JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.

(Public Sector Undertaking of the Government of Jammu and Kashmir)

Corporate Head Office: Corporate Head Office: Plot No. 58, Friends Colony Satyam Road Trikuta Nagar Jammu

Corporate Office: Corporate Office Kashmir: Near Haj House ,Bemina(190018),Srinagar

email: mdjkmscl2@gmail.com **website**: www.jkmsclbussiness.com

M/s Philips India Limited
Unit No's. N3, N4, N5, N6 ACLC-II
Opposite Gate No. 6 Cargo Terminal
Near New Custom House IGI Airport
New Delhi -110037, India

No: JKMSCL/GM/2026-27/ 1345-61 Dated: 03-06-2026

Sub: Finalization and Issuance of Rate Contract for the procurement of item "**(Full Body MRI System 1.5 Tesla)" under "Machinery and Equipment".**

Ref. No.

1. **NIT NO. JKMSCL/Mach/2025/657 dated 01-03-2025**
2. Purchase Committee meeting held on 25.08.2025.
3. Minutes issued vide No. JKMSCL/PS/MD/2025-26/492-510 dated 30.08.2025.
4. LOI No. JKMSCL/GM(Adm)/2025/5444-49 dated 30.08.2025.
5. Agreement executed on 15th September 2025.

Sir,

In line with the decision taken by the Purchase Committee of JKMSCL in its meeting held on 25.08.2025 and notified vide its minutes referred to above, the following item/items as detailed below has/have been approved in your favour on the quoted rates in the offered documents submitted by you in response to the above referred to NIT:

1. Approved item and Rates

A	M/s Philips India Limited, India **(Bidder)** M/s Philips India Limited **(Importer)** M/s Philips Medical Systems Nederland B.V. HTC 52 5th Floor Hight Tech Campus 525656 AG Eindhoven Netherland **(Manufacturer)** **Model : Ingenia Ambition -X**							
S. No.	Name of the item	Item code	Unit	Currency	Quoted in currency	Conversion in INR @ 87.70	Taxes	Total Amount in INR
1	FULL BODY MRI SYSTEM 1.5 TESLA	MRI01	each	US Dollar	1408792.50	123551102.25	14826123.50	**13,83,77,225.75** (Rupees thirteen crore eighty three lakh seventy seven thousand two hundred twenty five and seventy five paisa only)
2	Turnkey Rates (Per square feet)	MRI01-65	each	INR	8610.00	Turnkey @1500 sft 9915000.00	-	9915000.00
3	Indian items (if any)	MRI01-66	each	INR	22987261.00	22987261.00	-	22987261.00
	Rates of the coils, if required by the institutions (Details reflected in technical specifications)							
4	Rates of Coils 1	MRI01-41	each	US Dollar	10819.00	948826.30	113834.60	1062660.90
5	Rates of Coils 2	MRI01-42	each	US Dollar	23878.00	2093925.20	251260.50	2345185.70
6	Rates of Coils 3	MRI01-43	each	US Dollar	25369.00	2224861.30	266958.80	2491820.10
7	Rates of Coils 4	MRI01-44	each	US Dollar	25369.00	2224861.30	266958.80	2491820.10
8	optional item	MRI01-68	each	US Dollar	14922.00	1308659.40	157070.70	1465730.10
	Total							**181136703.55** (Rupees eighteen crores eleven lakhs thirty six thousand

								seven hundred three and fifty five only.

2. Comprehensive Maintenance Contract (CMC)

CMC Charges for Five (05) years, applicable after expiry of warranty, are approved as under:

Year	Rate (INR)
6th year	5443340.00
7th year	5715507.00
8th year	6001282.00
9th year	6301346.00
10th year	6616414.00

Terms and Conditions:

1. **Delivery Site**: Rates are FOR Drug warehouse of JKMSCL/any Govt. Institution(s) in the UT of J&K, wherever installation is required.
2. **Validity**: The rate contract shall remain valid for a period of two years from the date of issuance of the Contract which can be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder.
3. **Taxes**: As mentioned above and/or as applicable in line with the statutory provisions/Government notifications issued from time to time.
4. **Warranty**: Five Years from the date of installation.
5. **Performance Security**: Performance security equivalent to 5% of the total invoice value in the shape of Bank Guarantee in favour of FA/CAO, JKMSCL is required to be deposited within seven days from the date of issuance of Purchase Order(s) from time to time.
6. **Supplies**: Supply, Installation and Commissioning of main equipment along with local accessories to be completed within 180 days from opening of irrevocable & confirmed foreign LC or clear site handover with permanent power/water availability whichever is later.
7. **Penalty**: In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at the rate of 0.25% per day for every day of delay subject to maximum of 10%.

8. **Installation**: Installation / commissioning and necessary training for upkeep of the equipment shall be provided free of cost by the supplier/firm/agency.

9. **Availability of Spares**: Firm shall certify that the parts of the equipment will remain available at least for a period **of five years** after the year of expiry of warranty period of five years.

10. The firm shall submit an undertaking on stamp paper duly notarised/certificate to the effect that the above quoted rates are the lowest rates applicable/quoted to all Govt. / Private institutions/PSU's etc. Variation found if any, during the rate contract period by the Corporation/Intending department or any other agency shall be the sole responsibility of the Contractor/Supplier/manufacturer/importer.
11. The supplier/manufacturer/importer shall ensure to supply the Brand new and unused item(s) strictly as per specifications/sample(s) approved. Variations found, if any at the time of delivery of the equipment or at later stages by the Corporation/Intending department/any other agency which may lead to substandard or Not of standard/approved quality, shall be the sole responsibility of the supplier/ manufacturer/ importer/contractor.
12. JKMSCL is at liberty to get the feedback from the end-user department/intending department regarding the functioning of the machinery and equipment supplied by your agency. Adverse report, if any, may lead to strict action against you under rules/terms and conditions of the NIT/guidelines issued by the Govt. from time to time.
13. **For Payment through Letter of Credit (for imported items only)**

Payment shall be considered to be made only on receipt of an agreement & performance security, where requisitioned and in the following manners :

In case of irrevocable Letter of Credit (for imported machinery & equipment, its parts, accessories & consumable etc. which are part of supply, installation & commission)

i. **On shipment form abroad :**

80% of the net FOR value shall be paid through irrevocable Letter of Credit established in favour of the suppliers by JKMSCL on a bank in the supplier's country, on submission of the documents specified in the Letter of Credit and further following documents :

a. Supplier's certificate that the amount(s) shown in the invoice is/are correct in terms of the contract and that all the terms and conditions of the contract have been accepted and complied with.
b. Supplier's certificate confirming that the original shipping documents have been dispatched to the consignee in accordance with the contract and
c. Any other document specified in the notification of award or the contract.

ii. **On final acceptance after receipt of acceptance certificate :**

a. Balance 20% of the net F.O.R value (in case of foreign principals), shall be payable by JKMSCL on receipt of goods, on submission of claim supported by the acceptance certificate issued by the user department, mentioning therein the dates of receipt of goods, installation of the equipment and completion of minimum 30 days satisfactory & faultless functioning of the equipment/goods and also subject to other provisions of the agreement.
b. The freight and insurance, if any, based on the production of the documentary evidence of the same shall be reimbursed by JKMSCL subject to the estimated amount as mentioned in the supply order/rate contract.

14. **Fall Clause**: The prices under contract shall be subject to price fall clause. The prices charged for the goods supplied under the contract by successful bidder shall in no event exceed the lowest price at which the successful bidder sells the goods or offers to sell the goods of identical description to any other person(s)/Organization(s) including procurement agencies or any other department of Central Govt. or State Govt. as the case may be during the period till the performance of the contract. If at any time, during the period of the contract, the bidder reduces the sales price chargeable under the contract, he shall forthwith notify such reduction to the JKMSCL, J&K as well and the price payable under the contract for the stores supplied after the date of coming into force of such reduction or sale shall stand reduced correspondingly. It implies that if the contract holder quotes/ reduces its price to render similar goods at a price lower than the contract price to any other organisation/institute in the Central/State Govt. at any time during the currency of contract including extension period, the contract price shall be automatically reduced with effect from the date of reducing or quoting lower price and the contract shall be amended accordingly.

15. **Risk Purchase**: If the bidder is unable to complete the supply within the specified or extended period, the corporation shall be entitled to purchase the goods or any part thereof from elsewhere without notice to the bidder on his (i.e., bidders) account and at his cost and risk, with the prior approval of Managing Director JKMSCL, J&K. The bidder shall be liable to pay any loss or damage which the purchasing officer may sustain by reasons of such failure on the part of the bidder.
The bidder shall not be entitled to any gain on such purchases made against default. The recovery of such loss or damage shall be made from any sums accruing to the bidder under this or any other contract with the corporation/government. If recovery is not possible from the bill and the bidder fails to pay the loss or damage within one month of the demand, the recovery of such amount or sum due shall be made from the bidder. In case supplier fails to deliver ordered goods, the risk purchases may be made at market rate from any other firm. It is mandatory for the approved supplier to acknowledge receipt of orders within seven days from the date of dispatch of order, failing which the procuring agency will be at liberty to initiate action to purchase the items on risk purchase provision at the expiry of the prescribed supply period.
16. **Orders shall only be placed on the basis of actual requirement and subject to the availability of funds under the relevant Head of Accounts.**
17. **The aforesaid rates shall only be applicable for supply orders placed by JKMSCL. In case, the said rates after signing of agreement is used by your firm/dealer for making supplies to any other organization/department/agency on the said rate/rate contract, you shall have to pay 7.5 % of the total invoice value of product(s) supplied by your firm/dealer as penalty, besides, your firm shall be considered for debarring/blacklisting for a period not less than 5 years.**
18. **Acceptance of supplies is subject to production of relevant certificate(s)/report required in the matter.**

19. **Supplier/manufacturer/direct importer shall have to intimate immediately to the JKMSCL, in case, the firm or any of its product was or is getting debarred/blacklisted by any of the government department or PSU or any agency or otherwise. In case, Supplier/manufacturer/direct importer conceals the fact and it comes to the notice of corporation or any other agency or department(s), in later stages, the respective firm shall be held personally responsible for the same and action as warranted under rules of land/NIT shall be initiated against the defaulter firm.**
20. **Payment shall be released after successful installation and commissioning of the equipment duly verified by the intending department.**
21. **Approved technical specifications shall remain same as per NIT (Annexure I)**
22. **All the terms and conditions of the NIT, Standard Procurement Procedure (SPP) of JKMSCL and LOI shall constitute an Integral part of this Rate Contract.**

Yours sincerely,

03.06.26

(M A Choudhary) JKAS
General Manager
J&K Medical Supplies Corporation Limited

Copy for information to the:

1. Commissioner Secretary to the Government, Health & Medical Education Department, J&K.
2. Mission Director, National Health Mission, J&K.
3. Principal, Govt. Medical College, Srinagar /Jammu/ Anantnag/ Rajouri/ Kathua/ Doda/ Handwara/ Udhampur/Baramulla.
4. Principal, Government Dental College, Srinagar/Jammu.
5. Director Finance, Health & Medical Education Department, J&K
6. Director, Health Services, Jammu.
7. Director, Health Services, Kashmir.
8. Controller, Drug & Food Control Organization, J&K.
9. Director, Family Welfare, MCH & Immunization, J&K.
10. Financial Advisor/CAO, J&K Medical Supplies Corporation Limited.
11. General Manager (K), J&K Medical Supplies Corporation Limited.
12. Dy. General Manager (P&S), J&K Medical Supplies Corporation Limited.
13. Dy. General Manager (Tendering), J&K Medical Supplies Corporation Limited.
14. Medical Officers (All drug ware houses), J&K Medical Supplies Corporation Limited.
15. Medical Officer (I.T), JKMSCL with the directions to upload the Rate Contract on DVDMS Portal.
16. Assistant Programmer (M) with the directions to upload the Rate Contract on official website of JKMSCL.
17. File

Annexure to Rate Contract No. IKMSCL/GM/2026-27/1345-61 dated 03/06/26

Item	Magnetic Resonance Imaging (MRI) Units	
1.1	Clinical purpose	MRI is primarily used to identify diseases of the central nervous system, brain, and spine and to detect musculoskeletal disorders. It is also used to view cartilage, tendons, and ligaments. MRI can also be used to image the eyes and the sinuses. MRI can be used to help diagnose infectious diseases; to detect metastatic liver disease; to display heart-wall structure; to stage prostate, bladder, and uterine cancer. MRI can also be used as a functional imaging tool.
1.2	Used by clinical department/ward	Radiology Department
2.TECHNICALCHARACTERISTICS		
2.1	Technical characteristics (specific to this type of device)	**1. MAGNET** a) Whole Body 1.5 Tesla Magnetic Resonance Imaging System optimized for higher performance in Whole Body and Vascular examinations with super conducting magnet, high performance gradients and digital Radio Frequency System. b) 1.5 T active shielded super conductive magnet should be short and non-claustrophobic. c) It should have at least 70cm patient bore with flared opening. d) Magnet length should be less than 200 cm. e) Homogeneity of magnet should be less than 3.5 ppm over 45 cm DSV f) The magnet should be well ventilated and illuminated with built in 2-way intercom for communication with patient. g) It should have a built in cryo-cooler such that helium consumption does not exceed 0.01 lit/hour. h) Emergency Rundown Control at both operator console room and Gantary Room is a must. i) Fringe Field 0.5 Gauss line radius is essential. j) Front Panel of gantry should display table and patient position. **2. SHIM SYSTEM** a. High performance, highly stable shim system with global and localized automated shimming for high homogeneity magnetic field for imaging and spectroscopy. b. Auto shim should be available to shim the magnet with patient in position. **3. GRADIENT SYSTEM** a. Actively shielded Gradient system b. The gradient should be actively shielded with each axis having independently a slew rate of at least 200 T/m/s and a peak amplitude of 44mT/m. c. The system should have efficient and adequate Eddy current compensation d. Effective cooling system for gradient coil and power supply.

e. Duty Cycle-100% the gradient power amplifier.
f. Usable over 45 cm of FOV in all directions.

4. RF SYSTEM

1. A fully digital RF system capable of transmitting power of at least 15kw.
2. It should also have at least 32 independent RF receiver channels with each having bandwidth of 1 MHz or more along with necessary hardware to support quadrature ICP array/Matrix coils. The highest receiver channels available with the vendor should be quoted.
3. It should support Parallel acquisition techniques with a factor of up to 4 in 2D
4. Should allow remote selection of coils and /or coil elements.

5. PATIENT TABLE

1. The table should be fully motorized, computer-controlled table movements in vertical and horizontal directions.
2. A CCTV system with colour LCD display to observe the patient should be provided Moving table angiography should be possible.
3. There should be a hand-held alarm for patients.
4. Light Localizer for patient positioning.
5. Physiological signals display like ECG, Pulse and SPO2.
6. Patient load bearing capacity, minimum 200 Kg.

6 MEASUREMENT SYSTEM

1. Largest Field of View should be at least 45 cm in all axis.
2. The measurement matrix should be from 128x128 to 1024x1024.
3. Minimum 2D slice thickness mm should be equal to or less than 0.5.
4. Minimum 3D slice thickness mm should be equal to or less than 0.1.

7 COIL SYSTEM

a. The main body coil integrated to the magnet must be Quadrature/ CP. In addition to this following coils should be provided:
b. Multichannel Head coils with at least 12 channels for high resolution brain imaging.
c. Neuro-vascular Coil with 16 or more channels or Head / Neck Coil combined, capable of high-resolution neuro-vascular imaging
d. 18 Channel Spine Array/Matrix Coils for thoracic and lumbar spine imaging.
e. Body Array/Matrix coil with at least 40 cm z axis coverage for imaging of abdomen, angiograms and heart with 32 channel.
f. Suitable Cardiac Coil.
g. Dedicated 8-channel extremity coil.
h. Bilateral Breast Coil with at least 4 channel with fully functional spectroscopy.
i. Dedicated Shoulder Coil with at least 8 channels.
j. Dedicated Knee Coil with at least 8 channels.
k. General purpose flexible coil with small and large size .
l. Coil Storage Cart from manufacturer.
m. The system should continuously monitor the RF coils used during scanning to detect failure modes. RF coils should not require either set up time or coil tuning; Multi coil connection for up to 2 or more coils simultaneous scanning without patient repositioning.

APPLICATION SEQUENCES

a. The system should have basic sequences package with Spin Echo, Inversion Recovery, Turbo Spin Echo with high turbo factor of 256 or more, Gradient Echo with ETL of 255 or more, FLAIR.
b. Single slice, multiple single slice, multiple slice, multiple stacks, radial stacks and 3D acquisitions for all applications.
c. Single and Multi shot EPI imaging techniques with ETL factor of 255 or more
d. Fat suppression for high quality images both STIR and SPIR.
e. The system should acquire motion artifact free images in T2 studies of brain in restless patients
f. Dynamic study for pre and post contrast scans and time intensity studies.
g. MR angio Imaging: Should have 20/30 TOF, 20/30 PC, MTS and TONE, ceMRA, Facilities for Accelerated time resolved vascular imaging with applications like Treats/Tracks/Tricks sequences.
h. Fat and water excitation package. Diffusion Weighted Imaging, with at least b value of 5000 or more.
i. Bolus chasing with automatic and manual triggering from fluro mode to 3D acquisition mode with moving table facility.
j. Non contrast enhanced peripheral angiography for arterial flow with Native/Trance/Inhance sequences.
k. Whole body screening imaging studies for metastasis
l. High resolution Abdominal and Liver imaging in breathold and free breathing modes with respirator triggered volume acquisitions
m. The system should have basic and advanced MRCP packages including free breathing and 3D techniques.
n. The system should have facility for flow quantification of CSF, vessel flow and hepatobiliary system.
o. The system should have the Hydrogen, Single Voxel spectroscopy, Multivoxel, Multislice& Multiangle 2D, 3D Spectroscopy and Chemical shift imaging in 2D/3D. The complete processing/post- processing software including color metabolite maps should be available on main console. Complete prostate spectroscopy hardware and applications should be provided.
p. Advanced Cardiac Applications:
VCG gating, Morphology/wall motion; Cine perfusion imaging: Myocardial viability imaging; Arrhythmia rejection techniques, Advanced Cardiac Ventricular Measurement Analysis; Cine Cardiac Tagging Techniques; Coronary artery techniques; real time interactive imaging, 20/30 fast field echo/balanced/steady state techniques and evaluation package on workstation
q. Advanced Breast imaging Package.
r. Perfusion imaging of brain (including PASL and CASL).
s. Susceptibility weighted imaging with phase information.
t. Multi Direction DWI and DTI with minimum of 32 directions(Complete package including quantification and tractography software). Prospective motion correction enabled software preferred.
u. High resolution imaging for inner ear

SAFETY FEATURES

a. The magnet system should include an Emergency Ramp Down unit (ERDU) for fast reduction of the magnetic field with Ramp Down time below 3 minutes.

		b. The magnet should have quench bands that contain the fringe fields to a specified value in the event of a magnet quench c. Real time SAR calculation should be performed by software to ensure that RF power levels comply with regulatory guidelines and are displayed on each image d. The system shall have manual override of the motor drive for quick removal of the patients from the magnet bore e. Temperature sensor (built in) for magnet refrigeration efficiency must be provided
2.2	User's interface	a. The main Host computer should have a 19 inches or more high-resolution LCD TFT color monitor with 1024 x 1024 matrix display. b. The system should have image storage capacity of 100 GB for at least 2,00,000 images in 256 x 256 matrix. c. The reconstruction speed should be at least 1300 or more for full FOV 256 matrix. d. The main console should have facility for music system for patient in the magnet room. The system should have DVD/CD/flash drive archiving facility. The system should be provided with auto DVD writer. e. Two way intercom system for patient communication. f. MRI System should be DICOM ready in all parameters with no additional requirement of licence for connectivity to any PACS/HIS and Radiotherapy treatment planning system.
2.3	Software and/ or standard of communication (wherever required)	1. A work station with same user interface as of main console is required with the availability of all necessary software including: i. Basic post-processing software including MIP, MPR, surface reconstruction and volume rendering technique. ii. Advanced post-processing offered applications perfusion quantification, advanced diffusion and DTI, processing of 2D/3D CSI data, with color metabolite mapping, quantification of CSF flow data, vascular analysis package. 2. It should have at least 19 inchcolor monitor, with hard disk of at least 120 GB for at least 250,000 images to rage in 256 matrix, and 4 GBRAM capacity or more, with self-playing DVD/CD archiving facility. c. Separate viewing station should be provided.

3.Physical Characteristics		
3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	NA
3.3	Noise(ind BA)	Maximum 120 dBA
3.4	Heat dissipation	Should maintain nominal temp and the heat should be disbursed through a cooling mechanism with less than 1 degree Celsius change during scan
3.5	Mobility, portability	Stationary installation
4.ENERGY SOURCE (electricity, UPS, solar, gas, water,CO2....)		
4.1	Power requirements	3phase power supply
4.2	Battery operated	-
4.3	Protection	-
4.4	Power consumption	-
5.ACCESSORIES,SPAREPARTS,CONSUMABLES		

5.1	Accessories,(mandatory, standard, optional); Spare parts (main ones); Consumables/reagents(open, closed system)	1. Dual Head MRI Compatible Pressure Injector with 100 sets of syringes. 2. Water Chiller for Cold Head I Gradients. 3. 2 Non-ferro magnetic patient transfer trolley should be provided. 4. Fire Fighting System, Detectors and 6 Fire Extinguishers- MR compatible/MR safe. 5. Handheld metal detectors and two metal detector doors to be installed at the entrance point as will be intimated. 6. Closed circuit CCD camera 7. Phantoms for image quality audits. 8. MRI compatible Anaesthesia machine (for paediatric and adult use) with dual vaporizers 9. Suction and O2 pipeline and manifold to be provided inside the RF enclosure. 10. Suitable RF Enclosure 11. UPS for entire system for backup of 30 minutes. 12. DGset
6.ENVIRONMENTALANDDEPARTMENTALCONSIDERATIONS		
6.1	Atmosphere/Ambien ce (air conditioning, humidity, dust…)	1. Operating Condition: Capable of operating continuously in ambient temperature of 18 to 30 degC and relative humidity of 20 to 75% in ideal circumstances. 2. Storage condition: Capable of being stored continuously in ambient temperature of 18 to 30degC and relative humidity of 20 to 75%
6.2	User's care, Cleaning, Disinfection & Sterility issues	1. Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover. 2. Sterilization not required.
7. STANDARDS AND SAFETY		
7.1	Certificates (pre-market, sanitary,..); Performance and safety standards (specific to the device type); Local and/or international	1. Should be FDA/Europen CE/BIS approved product. 2. Manufacturer and Supplier should have ISO 13485 certification for quality standards. 3. Electrical safety conforms to the standards for electrical safety IEC 60601-1-General requirements (or equivalent BIS Standard). 4. Shall meet internationally recognized standard for Electromagnetic Compatibility (EMI/EMC).for electro medical equipment:IEC60601-1-2. 5. Certified to be complaint with IEC 61010-2-33 AERB type approved.
7.2	Local and/or international	Manufacturer/Supplier should have ISO 13485 certificate for quality standard.
8.TRAINING AND INSTALLATION		
8.1	Pre- installation requirements: nature, values, quality, tolerance	Turnkey Project only space to be provided. **Payment shall be made as per actual area.**
8.2	Requirements for sign-off	Certificate of calibration and inspection of parts from the manufacturer
8.3	Training of staff (medical, paramedical, technicians)	Training of users on operation and basic maintenance; Advanced maintenance tasks required shall be documented;
9.WARRANTY AND MAINTENANCE		

9.1	Warranty	5 years, including all spares and calibration.
10. DOCUMENTATION		
10.1	Operating manuals, set manuals, other manuals	Should provide 2 sets (hard copy and soft copy) of: 1. User, technical and maintenance manuals should be supplied in english/Hindi language along with machine diagrams; 2. List of equipment and procedures required for local calibration and routine maintenance; 3. Service and operation manuals(original and Copy) to be provided; 4. Advanced maintenance tasks documentation; 5. Certificate of calibration and inspection, 6. Satisfactory certificate for any existing installation from government hospital.

Description of dedicated coils as reflected above on case to case basis, if required.

S .No.	Name of coils	Description
1.	Coil 1	Multichannel Head coils with at least 12 channels for high resolution brain imaging
2.	Coil 2	Dedicated 8 channel extremity coil
3.	Coil 3	Dedicated Shoulder Coil with at least 8 channels
4.	Coil 4	Dedicated Knee Coil with at least 8 channels