

List of Equipments – Department of NMR (2023-2028)

S.No	Equipments	Qty	Unit cost	Total cost (INR)
Phase-I				
1.	3T human MRI scanner under buyback of existing 3.0 T Achieva MRI scanner	1	42,00,00,000	42,00,00,000
2.	Patient audio system for two-way communication	04	25,000	1,00,000
3.	MR Patient audio system for two-way communication	02	40,00,000	80,00,000
4.	MR Compatible tablet (laptop)	01	10,00,000	10,00,000
5.	Fluorescent and optical imaging system for small animal	01	3,50,00,000	3,50,00,000
6.	RT-PCR system	01	15,00,000	15,00,000
7.	qPCR	01	12,00,000	12,00,000
8.	DNA sequencing system	01	1,00,00,000	1,00,00,000
9.	Gel documentation system	01	15,00,000	15,00,000
10.	Laboratory glassware washer	01	20,00,000	20,00,000
11.	Storage cabinet for acid & corrosive solutions	02	3,50,000	7,00,000
12.	Wall mount drying rack with pegs	01	60,00,000	60,00,000
13.	Safe modular lab and working space near the high field magnet areas on Turnkey basis	01	1,00,00,000	1,00,00,000
14.	Electronics and console for 700 MHz NMR Spectrometer	01	8,00,00,000	8,00,00,000
15.	Dry clinical chemistry and electrolyte analyser	01	8,00,000	8,00,000
16.	Cryomill (to pulverize biological samples)	01	30,00,000	30,00,000
17.	Cryotom for biological samples	01	7,00,000	7,00,000
18.	MRI (7 Tesla human scanner)	01	1,80,00,00,000	1,80,00,00,000
19.	Cells live imaging system (Cell culture work)	01	25,00,000	25,00,000
20.	Cell enrichment system (cell culture work)	01	5,00,000	5,00,000
21.	Automatic cell counter (Cell culture work)	01	8,00,000	8,00,000
22.	Clinical microscope with photography option	02	10,00,000	10,00,000
23.	Ice flaking machine	01	5,00,000	5,00,000

Rama Jayasundar

S.S.K.

Uma Sharm

Virendra Kumar

Prof. Dr. Rama Jayasundar
Professor & Head
Department of N.M.R.
All India Institute of Medical Sciences
New Delhi-110029

आचार्य डॉ. एस. सेंटिल कुमारण
Prof. Dr. S. Senthil Kumaran
आचार्य/Professor

एन.एम.आर. विभाग एवं एम.आर.आई. सुविधा
Deptt. of N.M.R. & MRI Facility
अखिल भारतीय आयुर्विज्ञान संस्थान
All India Institute of Medical Sciences
नई दिल्ली-110029/New Delhi-110029



डॉ. उमा शर्मा/Dr. UMA SHARMA
आचार्य/Professor
एन.एम.आर. विभाग/Deptt. of N.M.R.
अखिल भारतीय आयुर्विज्ञान संस्थान
All India Institute of Medical Sciences
नई दिल्ली-110029/New Delhi-110029



Dr. VIRENDRA KUMAR
Professor
Department of N.M.R.
A.I.I.M.S.
New Delhi-110029

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S.No	Equipments	Qty	Unit cost	Total cost (INR)
24.	Four Channel Transmit/Receive array for Biospec animal MRI	01	2,30,00,000	2,30,00,000
25.	2D gel electrophoresis system	02	7,00,000	7,00,000
26.	Liquid nitrogen cans	03	12,00,000	12,00,000
27.	Air purifiers	05	40,000	2,00,000
28.	MR compatible pediatric ventilators	02	6,00,000	12,00,000
29.	MRI compatible Multi-parametric monitor	01	70,00,000	70,00,000
30.	3D printer	01	9,50,000	9,50,000
31.	Furniture (steel almirahs, chairs, work tables, etc.)		10,00,000	10,00,000
32.	Dry clinical chemistry and electrolyte analyser	01	9,00,000	9,00,000
Phase-II				
33.	9.4 Tesla Animal MR with PET scanner	01	30,00,00,000	30,00,00,000
34.	Absorbance, fluorescence, and luminescence multimode spectrometer	01	7,50,000	7,50,000
35.	Semi-preparative HPLC with PDA and MS detector	01	3,00,00,000	3,00,00,000
36.	3.0 T human MR scanner	01	40,00,00,000	40,00,00,000
37.	Automatic nucleic acid extraction and purification system	01	50,00,000	50,00,000
38.	Rota-mixer	01	30,000	30,000
39.	Indigenous 1.5 T human MR scanner	01	10,00,00,000	10,00,00,000
40.	Fluorescence Activated Cell Sorter	01	3,50,00,000	3,50,00,000
41.	LCMS	01	6,50,00,000	6,50,00,000
42.	900 MHz NMR spectrometer with solid state accessories	01	71,00,00,000	71,00,00,000
43.	Fluorescence and confocal imaging system	01	2,00,00,000	2,00,00,000
44.	Microwave plasma atomic emission spectrometer	01	1,00,00,000	1,00,00,000
45.	MR compatible laryngoscope	01	2,00,000	2,00,000
46.	MR compatible anesthesia system	01	25,00,000	25,00,000

Rama Jayasundar

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Prof. Dr. Rama Jayasundar
Professor & Head
Department of N.M.R.
All India Institute of Medical Sciences
New Delhi-110029

आचार्य डॉ. एस. सेन्थिल कुमारण
Prof. Dr. S. Senthil Kumaran
आचार्य/Professor
एन.एम.आर. विभाग एवं एम.आर.आई. सुविधा
Deptt. of N.M.R. & MRI Facility
अखिल भारतीय आयुर्विज्ञान संस्थान
All India Institute of Medical Sciences
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अखिल भारतीय आयुर्विज्ञान संस्थान
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Professor
Department of N.M.R.
A.I.I.M.S.
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