

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	01	1,00,000	1,00,00,000
3.	Fluorescent and optical imaging system for small animal	01	3,50,00,000	3,50,00,000
4.	RT-PCR system	01	15,00,000	15,00,000
5.	qPCR	01	12,00,000	12,00,000
6.	DNA sequencing system	01	1,00,00,000	1,00,00,000
7.	Gel documentation system	01	15,00,000	15,00,000
8.	Laboratory glassware washer	01	20,00,000	20,00,000
9.	Storage cabinet for acid & corrosive solutions	02	3,50,000	7,00,000
10.	Wall mount drying rack with pegs	01	60,00,000	60,00,000
11.	Safe modular lab and working space near the high field magnet areas on Turnkey basis	01	1,00,00,000	1,00,00,000
12.	Electronics and console for 700 MHz NMR Spectrometer	01	8,00,00,000	8,00,00,000
13.	Dry clinical chemistry and electrolyte analyser	01	8,00,000	8,00,000
14.	Cryomill (to pulverize biological samples)	01	30,00,000	30,00,000
15.	Cryotom for biological samples	01	7,00,000	7,00,000
16.	MRI (7 Tesla human scanner)	01	1,80,00,00,000	1,80,00,00,000
17.	Cells live imaging system (Cell culture work)	01	25,00,000	25,00,000
18.	Cell enrichment system (cell culture work)	01	5,00,000	5,00,000
19.	Automatic cell counter (Cell culture work)	01	8,00,000	8,00,000
20.	Clinical microscope with photography option	02	10,00,000	10,00,000
21.	Ice flaking machine	01	5,00,000	5,00,000

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S.No	Equipments	Qty	Unit cost	Total cost (INR)
22.	Four Channel Transmit/Receive array for Biospec animal MRI	01	2,30,00,000	2,30,00,000
23.	2D gel electrophoresis system	02	7,00,000	7,00,000
24.	Liquid nitrogen cans	03	12,00,000	12,00,000
25.	Air purifiers	05	40,000	2,00,000
26.	MR compatible pediatric ventilators	02	6,00,000	12,00,000
27.	MRI compatible Multi-parametric monitor	01	70,00,000	70,00,000
28.	3D printer	01	9,50,000	9,50,000
29.	Furniture (steel almirahs, chairs, work tables, etc.)		10,00,000	10,00,000
30.	Dry clinical chemistry and electrolyte analyser	01	9,00,000	9,00,000
Phase-II				
31.	9.4 Tesla Animal MR with PET scanner	01	30,00,00,000	30,00,00,000
32.	Absorbance, fluorescence, and luminescence multimode spectrometer	01	7,50,000	7,50,000
33.	Semi-preparative HPLC with PDA and MS detector	01	3,00,00,000	3,00,00,000
34.	3.0 T human MR scanner	01	40,00,00,000	40,00,00,000
35.	Automatic nucleic acid extraction and purification system	01	50,00,000	50,00,000
36.	Rota-mixer	01	30,000	30,000
37.	Indigenous 1.5 T human MR scanner	01	10,00,00,000	10,00,00,000
38.	Fluorescence Activated Cell Sorter	01	3,50,00,000	3,50,00,000
39.	LCMS	01	6,50,00,000	6,50,00,000
40.	900 MHz NMR spectrometer with solid state accessories	01	71,00,00,000	71,00,00,000
41.	Fluorescence and confocal imaging system	01	2,00,00,000	2,00,00,000
42.	Microwave plasma atomic emission spectrometer	01	1,00,00,000	1,00,00,000
43.	MR compatible laryngoscope	01	2,00,000	2,00,000
44.	MR compatible anesthesia system	01	25,00,000	25,00,000

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