THE TAMIL NADU Dr.M.G.R MEDICAL UNIVERSITY, CHENNAI
ALLIED AND HEALTH CARE – DEGREE COURSES
Bachelor of Science in Nuclear Medicine Technology (B.Sc. NMT)

1. Name of the Institution/Hospital

2. Name of the Trust

3. Date of Inspection

4. Address of the Institution
   (with E-mail, Fax No.,
   Tel.Nos. & Mobile No.)

5 Name of the Inspection Team
Institution in which working
with Full Address & Phone No.
(IN BLOCK LETTERS)

Convenor:

Member 1:

Member 2:

Instructions to Inspection Team:
Please specify numbers wherever applicable (eg. No. of Equipments etc.)
Please do not write very generalised and non-specific terms.
The members are requested **NOT** to make recommendations.

DETAILS OF THE GOVERNMENT ORDER:

G.O.No, dated, No. of courses

Maximum Intake :

BUILDING DETAILS:

Ready Built Area:

Built up Area:

Details of Land

Sl.No.	Specifications	Available/ Recommendations
1	**Institution is owned by** Government / Trust / Society / Company / Any other body as per the NCAHP, New Delhi	
2	**2. Details of the Trust / Society / Company** i. Name of the Trust / Society / Company with address ii. Name of the members of the Trust / Society / Company iii. Registered Trust Deed / Supplementary Deed / Amendment Deed (or) Registered Certificate of Society / Company Registration Certificate along with Memorandum of Association / Articles of Association iv. Minutes of the meeting of the Trust / Society / Company for starting of proposed courses	
3	**Land documents** i. Specify the area of Category of Land and certificate obtained from the concerned local authorities to establish the specific category of land (as applicable) as a proof In city / corporation - not less than 1 acre Municipal / Town – not less than 2 acres Semi urban / Rural area – not less than 3 acres ii. Land owned (or) Leased in the name of the Trust / Society / Company iii. Registered Sale Deed / Lease Deeds / Gift Deeds / Settlement Deed / Rectification Deed / Exchange Deed etc in the name of the Trust / Society / any other body as per the NCAHP regulations. iv. If the Trust / Society / Company have entered a lease deed, the tenure of the lease period for a minimum of 10 years, purpose of lease (i.e., whether the lease is entering for lands (or) building (or) both and the name of the course for which the lease has been entered to be clearly mentioned in the registered lease deed.	
4	**4. Sworn Affidavit**	

	Original Sworn Affidavit to be submitted in INR.200/- Non-Judicial Stamp Paper with the attestation and seal of the Notary Public. The Sworn Affidavit to be submitted by earmarking all the survey numbers in connection with starting of new course. (Format in University website) (or) If the Trust / Society / any other body who have already running any course(s) in this University and intend to start another new course in the University then the said Trust / Society / any other body have to furnish the Original Consolidated Sworn Affidavit by earmarking all the survey numbers allotted for the existing course as well as new course. (Format in University website)	
5	**Legal Opinion** Copy of the Latest Legal Opinion from the Govt. Pleader for tracing of title deeds such as Trust Deed/ Supplementary Deed / Amended Deed (or) Certificate of society Registration, Memorandum Of Association, Articles of Association, Sale Deed / Lease Deeds / Gift Deeds / Settlement Deed / Rectification Deed / Exchange Deed, Parent document of (Sale Deed / Lease Deeds / Gift Deeds / Settlement Deed / Rectification Deed / Exchange Deed), Patta Adangal, "A" register, Up to date encumbrance certificate for a period of not less than 30 years, Mortgage of properties and redemption of mortgaged properties, if any pertaining to the earmarked lands	
6	**Encumbrance Certificate** Copy of the Up to date authenticated (or) digitally verified Encumbrance Certificate issued by the concerned Sub Registrar office for a period not less than 30 years for all the survey numbers earmarked in the sworn affidavit / Consolidated Sworn Affidavit for the course	
7	**Patta, Adan gal and A-Register** Copy of the Patta, Adangal and "A"-Register for all the survey numbers earmarked for the course in the name of the Trust / Lessor / Society / any other body.	
8	**Survey Sub-Division / Re-Survey Documents** If survey numbers have been sub-division (or) Re-survey, then the copy of the Certificate (or) Proceedings (or) order issued by the Tahsildar for sub division of old survey number to new survey number / resurvey number of numbers to be produced.	
9	**Mortgage Details (If Any) – Yes / No** (i) Undertaking to be furnished, available in the University website (ii) Statements of accounts with loan details. (iii) Last 3 years audited balance sheets. (iv) Auditors report IT acknowledgement	
10	**Revenue Authority Certificate** Certificate of evidence obtained from the Revenue authority	

	stating that the earmarked land at the proposed College does not attract the T.N. Urban Land Ceiling and Regulations Act, 1978, T.N. Town Country Planning Act, 1971 and T.N. Land Reforms Act 1961.	

INSTITUTION: Medical College or Stand alone Institution

Incase of Standalone institutions,

1. No. of Institutions (Medical college or hospital, or a healthcare facility) MOU is signed -
2. List of Institutions be enclosed with details of Nuclear Medicine equipment along with Radiology Equipments/beds/OPD, etc.

Note: The MOU must be done with a medical college, hospital, or healthcare facility that has a minimum of 100 investigations per week, including gamma camera, PET-CT Scan, High Dose Radionuclide therapy and Low Dose Therapy.

3. Does the Parent or Tie up institute has
    a. NABH accredited Hospital
    b. NABL accredited Lab.
    c. Clinical Establishment Act Registration
    d. Pollution control board certificate
    e. Fire NOC for Hospital and Institute
    f. Other essential certificates /Licences from various department under prevalent Act, Rules and Regulations.

Infrastructure Requirements:

Description	**Area (sq ft) for (20 +20+20 candidates)**	**Area (sq ft) for (10 +10+10 candidates)**	**Available/ comments**
Principal/HOD room	400 (1)	200 (1)	
Office	400 (1)	200 (1)	
Store room	500 (1)	250 (1)	
Professor room	400 (1)	200 (1)	
Other faculty rooms	250 each	125each	
Teaching area			
Class rooms	450 (3)	225 (3)	
Skill labs/laboratories	450 (2)	450 (1)	
Computer lab/seminar room	450 (1)	450(1)	
Library	1800 (1)	900 (1)	
Amenities			
Girls common room	200 (1)	100 (1)	
Boys common room	200 (1)	100 (1)	

Girls toilet	100 (1)	50(1)	
Boys toilet	100 (1)	50(1)	
Hostel-Girls			
Hostel-boys			
Staff room/record room	100 (1)	50(1)	
Room for audio/visual aid	500 (1)	250 (1)	
Auditorium/ multipurpose hall	1	1	
Desirable facility			
Drinking water			
Fire Extinguisher			
Transportation facility			
Girls and boys t required			
Recreation / sports facility			

Teaching faculty (eligibility as per NCAHP guideline, attached with document)

1. Students : Teachers Ratio should be - 10:1 per year
2. Minimum required faculty for each course will be 03 and Professor and Associate Professor positions must be filled on full time basis before starting the program.
3. Minimum one faculty member shall be a nuclear medicine physician.
4. Minimum, two faculties shall be as NMT as academic qualification.

Description	**for (20 +20+20 candidates)**	**for (10 +10+10 candidates)**	**Name Qualification and Experience**
Professor	02	01	
Assoc. Professor	02	01	
Asst. Professor	02	01	
Administrative staff			
Office Superintendent/ Assistant 1	01	01	
Nursing Officer 1	01	01	

Equipment and case load			
• Own hospital and clinical Training center – No. of 80 Gamma/ PET-Scans done per week (around 80 Gamma/ PET-Scans, per week are conducted)			
• Low dose radionuclide therapy ward/facility			
• Facility High volume (2-5) radionuclide therapy per week) facility of High Dose Radionuclide			
• Other Radiological Modalities Like CT, MRI			
• When was the facility started **(Facility should be three Years Old)**			

Instruments required for Bachelor in Nuclear Medicine Technology

S. No.	Required Items	No. of Items Required	No.of Items available
1	Refrigerator	01	
2	Centrifuge	03	
3	Hand lens	03	
4	Histokinetic	02	
5	Sahli's Hemoblobinometer	10	
6	Hot air oven working	01	
7	Stabilizers	01	
8	Analytical balance	01	
9	Chemical balance	02	
10	Certified weight box	02	
11	pH meter	02	
12	Hot plates	02	
13	Dessicator	01	

14	Incubator (2' x 3')	02	
15	Timers	02	
16	Thermostatic water bath	02	
17	Improved Triple ruled neubauer		
18	Counting chamber	20	
19	Safety spectacles	05	
20	Charts and Models		
21	Chemicals and Stains	as per standard	
22	Tripod stand and burner	10	
23	Autoclave	01	
24	Thermometer up to 200^0 C	02	
25	Candle Filter	01	
26	Charts: Models showing regions / parts of human body		
27	2 sets of Histological slides and which are mentioned in the syllabus		
28	Skeleton	01	
29	Sets of individual bones	01	
30	Blood group antigens: anti-A, anti-B, anti-D		
31	lancets	10 boxes	
32	Westergrins tubes	05	
33	Wintrobe's tubes	05	
34	Capillary tubes		
35	(Heparinised & Plain)	05 boxes each	
36	Petridishes (diff. sizes)	50	
37	Pauster pipettes	50	
38	Adjustable micro pipettes	10	
39	Funnels - different sizes	10	
40	Beakers - different sizes	10	
41	Measuring jars - different sizes	10	
42	Conical flasks	20	
43	Round bottom flask	20	

44	Watch glass	50	
45	Volumetric flask	10	
46	Test Tube holder	20	
47	Centrifuge Tubes	50	
48	Folin Wu Tubes	10	
49	Test tube racks	20	
50	Serological Pipettes	20	
51	Glass rods (Diff. sizes)	20	
52	Rubber gloves	30 boxes	
53	Surgical gloves	20 boxes	
54	Rubber teats (diff. sizes)	10	

S. No.	Required Items	No. of Items available
1	SPECT/ Gamma Camera / SPECT-CT Machine-1	
2	PET-CT Machine-1	
3	Thyroid Uptake System-1	
4	Low Dose Radionuclide Facility-1	
5	One Decontamination room /Facility	
6	One Radio pharmacy Lab Facility with Tc-99m Generator	
7	One In-vitro lab/Nuclear Medicine Lab	
8	Radiochemistry Lab	
9	Radio physics/ Physics Lab	
10	TLD Personnel monitoring	
11	One Gamma Spectrometer with calibration sources	
12	Radiation Safety Instruments like Survey Meter, Contamination Monitor,	
13	Hot Plate	
14	Decontamination Kits, Long Tools	
15	Absorbent Sheet, Lab Accessories, Lead Bricks, L-Bench	
16	Lead Lined Dust Bins	
17	Radioactive Waste Storage facility	
18	QC Kit and Accessories for Tc-Generator eluted 99mTc Radioisotope	

19	QC Sources for Dose Calibrator, SPECT, PET/CT, Thyroid Uptake Probe, Well Counter etc	
20	Phantoms for Gamma Camera and SPECT (Fillable uniformity phantom, Co-57 Uniformity Phantom), PET (Daily QC Phantom, SUV Validation Phantom), CT (Daily CT QA Phantom), and Thyroid Probe (Daily QC Phantom, Neck Phantom)	

Infrastructure available in the classroom • Furniture for Students • Furniture for Teachers • Boards/ Projectors • PA system	
Infrastructure available in the Common Room • Furnitures • Cupboards • Lockers • Racks etc • Toilets • Handwashing facilities	
Infrastructure available in the Computer Room • Cabin facility • Internet	
Infrastructure available in Record Room • steel racks, • built-in shelves • racks, • cupboards • filing cabinets	
Facilities available in Library • Separate area for teaching faculty and the students • internet facility • Seating capacity for least 80 students • number of journals (10) • No. of Foreign Journals • number of a.cupboards, b.book shelves and c. racks with glass doors for books, magazines, journals, newspapers and other literature	

Convenor

Member 1

Member 2

(Signature of the Inspection Team with name and date)

Teaching Faculty Qualifications for B.Sc. Nuclear Medicine Technology course (core faculty)

Note:

- All Supportive documents should be annexed along with the Inspection Report
- Professor cum HoD, Associate Professor, and two Assistant Professors will be counted in teaching faculty
- Students:Teachers Ratio should be - 10:1 per year
- Minimum required faculty for each course will be 03 and Professor and Associate Professor positions must be filled on full time basis before starting the program.
- **Minimum one faculty member shall be a nuclear medicine physician.**
- **Minimum, two faculties shall be as NMT as academic qualification.**
- Apart from the mentioned below table faculty, Guest/ Adjunct/ Part-Time Faculty can teach the peripheral subject or topic as needed, but will not be considered as core faculty.

Post Name	Education qualification & Experience
Professor	1.M.Sc. Nuclear Medicine/M. Sc. Nuclear Medicine Technology/MSc NMT/M.Sc. Nuclear Medicine and Molecular Imaging Technology, M.Sc. Medical Physics/ M. Sc. + Postgraduate diploma in Nuclear Medicine (DMRIT/PGDFIT/PGDNMT)/M.Sc. + Postgraduate diploma in Radiological Physics or equivalent. With Ph.D. in relevant subject + 10 years of clinical/teaching/research experience. OR MD/DNB (Nuclear Medicine) + 10 years of clinical/teaching/research experience
Associate Professor	1.M.Sc. Nuclear Medicine/M. Sc. Nuclear Medicine Technology/MSc NMT/M.Sc. Nuclear Medicine and Molecular Imaging Technology M.Sc. Medical Physics/ M. Sc. + Postgraduate diploma in Nuclear Medicine (DMRIT/PGDFIT/PGDNMT)/M.Sc. + Postgraduate diploma in Radiological Physics or equivalent With Ph.D. in relevant subject + 6 years of clinical/teaching/research experience. OR MD/DNB (Nuclear Medicine) + 6 years of clinical/teaching/research experience.

Assistant Professor	1.M.Sc. Nuclear Medicine/M. Sc. Nuclear Medicine Technology/MSc NMT/M.Sc. Nuclear Medicine and Molecular Imaging Technology, M.Sc. Medical Physics/ M. Sc. + Postgraduate diploma in Nuclear Medicine (DMRIT/PGDFIT/PGDNMT)/M.Sc. + Postgraduate diploma in Radiological Physics or equivalent OR MD/DNB (Nuclear Medicine)