

RADIOTHERAPY SERVICES			
	Minimum standards for Hospital	Minimum Standards	Remarks
1	Scope		
	Services Provided	Treatment of Cancer patients by Radiotherapy	
	1.1.Single Speciality	Yes	
	1.2.Multispeciality	Yes	
2	Physical Infrastructure		
	a.Location	No Department should be below Radiotherapy Department in a building. Basement or Ground floor is a good option.	
	b.Space requirement	Space requirement varies from one machine to another, & one manufacturer to other. Any Radiotherapy equipment shall be located in the hospital at a place where occupancy is minimum. Should permit easy installation, source loading,commissioning, patient treatment, maintenance & decommissioning. Approximately 2500 sq. feet	As per AERB
3	Human resources		
	3.1 Doctor		
	Med person incharge	RADIOTHERAPIST-1/500 NEW CASES Annually	M -Mandatory
	Full time consultant	1	M-Mandatory
	Part time consultant	RESIDENT-2	M-Mandatory
	3.2 Nurses		
	General nurses	One Oncology Nurse for 300 patients annually, additional one for every 300 more number of patients. Besides, more number needed for Brachytherapy, Simulator and Day Care Chemotherapy.	M-Mandatory
	Trained Nurses for ICU/OT/HDU	2 for minor OT/Brachytherapy	ICU norms
	3.3 Pharmacist	Yes	M-Mandatory,part of Hospital

	3.4 Para Medical staff		
	Lab Tech	MSC MEDICAL PHYSICIST-1 RSO EXAM CERTIFIED OR MSC GEN PHYSICIST WITH PG Diploma RADIOLOGICAL PROTECTION(DRP)	M-Mandatory
	Xray Technician	RADIOTHERAPY TECHNICIAN	M-Mandatory
	ECG Technician	Yes	D- part of hospital
	Dietitian	Yes	M- part of hospital
	Physiotherapist	Yes	D-Desirable
	Psychologist	Yes	D-Desirable
	Medicosocial worker	Yes	M-Mandatory
	3.5 others		
	a. Policy Manpower/ posting/ rotation/ of medical and ALLIED HEALTH PROFESSIONAL	Yes	M-Mandatory
	b. STANDARD PERTAINING TO PERSONAL RECORD KEEPING AND TRAINING	Yes	M-Mandatory
	c. PAYMENT/ROSTER OF STAFF	Yes	M-Mandatory
	d. OTHER REQUIREMENT LIKE PERIODIC HEALTH CHECK UPS,vaccination of staff in lab,bld bank,TLD badges	For any radiation generating equipment,type/approval/ NOC is must by AERB.Approval of room layout plan of Radiotherapy installation is must before any start of construction and any modification thereof.Procurement of personal monitors and measuring and monitoring instruments as per AERB guidelines is must.These include personal monitors and measuring and monitoring badges,Pocket dosimeter,Ionisation chambers, Electrometer, Radiation field analyser,Survey meter, Gamma zone monitor, suitable air conditioning, and fire fighting measures	D-Desirable

4	Equipment		
	Therapeutic	One low energy linear accelerator/ Cobalt teletherapy machine , One simulator,one TPS (if not part of machine),One HDR BRACHYTHERAPY , immobilization devices,Medical phycists lab investgation for calibration,Dosimetry and radiation protection.	M-Mandatory
	Diagnostoc	Yes	M -Mandatory
	Emergency	Yes	Refer to documents on Hospital
	Sterlizing	Yes	M-Mandatory
	Drugs,Medical devices and consumables	Cisplatin, Carboplatin, 5FU, Doxorubicin, cyclophosphamide, Methotrexate,Vincristine, Vinblastine, Bleomycin , Paclitaxel,Gemcitabine, Folinic acid/Leukovorin, Ondansetron, Tab Temazolamide	Also refer to documents on Hospital
	List of disposables	Yes	M-Mandatory
	Annual Maintenance records of equip	Yes	D-Desirable
5	Support Services		
	5.1 Laboratory	Yes	own or Outsourced
	5.2 Imaging	Yes	own or Outsourced
	5.3 Pharmacy	Yes	own or Outsourced
	5.4 Medical Gas/Manifold	Yes	M part of hospital
	5.5 Blood storage unit/blood Bank	Yes	M-own/outsourced/TIE UP
	5.6 Amb service	Yes	M-own/outsourced/TIE UP