

**STANDARD FOR ICU, CCU & HDU**

Name of Facility:

Address:

If comply tick (✓) Yes, if not tick (✗) No. Please add comment for any explanation.

PROVISION	ITEM	YES	NO	COMMENT
	<b>INFRASTRUCTURE &amp; EQUIPMENT</b>			
	<b>Location</b>			
R.218(1)	Avoid traffic thoroughfare			
R.218(1)	Free from undue noise, heat or odour			
R.218(1)	Minimal electronic interference			
R.218(2)	Patient rooms and ancillary facilities in same floor			
R.219	Direct or remote viewing system on patients' bed or room from nurses station			
	<b>Signs and labels</b>			
R.60	Proper signage and labelling system			
S.108	Not to mislead the public on the type or nature of facilities or services			
	<b>Corridor</b>			
R.53(1)	Size $\geq$ 2.1m wide ( <i>exceptions may be permitted for corridor limited to foot traffic in a single department</i> )			
R.64(1)	No beds shall be placed in corridors			
	<b>Door</b>			
R.54(1)	Clear opening $\geq$ 1.2m ( <i>for patient care</i> )			
R.54(2)	Patients' toilet and bathroom door's clear opening $\geq$ 0.9m wide, not swing in, neither to corridor			
R.54(3)	Adequate size for large carts or bulk goods to pass through ( <i>for entrance, store etc</i> )			
R.54(4)	All 2 way swing doors shall have vision panel			
R.54(5)	Clearance at the bottom of exterior door $\leq$ 0.6cm			
R.54(6)	All doors except closet doors shall not swing into the corridors			
	<b>Floor and wall</b>			
R.56(1), 57(1)	Easy to wash and clean & non-skid for floor			
R.56(1), 57(1)	Non-toxic ( <i>safe</i> )			

PROVISION	ITEM	YES	NO	COMMENT
	<b>Ceiling</b>			
R.58(1)(a)	Height for air-conditioned room $\geq$ 2.4m			
R.58(4)	Non- toxic ( <i>safe</i> )			
	<b>Window and ventilation</b>			
R.89(1)	All rooms and areas adequately ventilated			
R.89(4)	Fresh air supply intakes away from any source of contaminants or odours			
R.89(5)	Air discharge exhaust located to avoid cross circulation to air supply intakes or windows			
R.89(6)	Ventilation system to avoid contaminated air flow to patient, food preparation, clean or sterile areas			
R.89(7)	Air from rooms/areas likely to contain infectious micro-organisms or noxious gas shall be exhausted and not re-circulated through the normal air-conditioning system			
	<b>Electrical supply</b>			
R.83	Appropriate and grounding type of electrical sockets			
R.84(1)	Adequate number of electrical sockets			
R.84(2)	Uninterrupted power supply for life support systems			
R.84(3)	No adaptors, extension cords or junction boxes			
R.85	Adequate lighting fixtures for illumination in all areas			
R.86	Circuit-breakers in all critical areas & located in or adjacent to the areas			
R.87(1)	Emergency power supply for the essential systems, equipment, rooms or areas ( <i>call system, alarm system, critical areas, etc</i> )			
R.87(1),(2)	Emergency power supply for the illumination ( <i>exit signs, nurses' station, corridor etc</i> )			
R.87(6)	On site fuel storage to sustain emergency electrical generating equipment operation for eight hours			
R.122(2)	Emergency lights are kept in good repair and operating condition			
	<b>Refuse &amp; hazardous waste</b>			
R.91(1)	Kept in impervious, non-absorbent with close and tight-fitting lids & easily wash containers			
R.91(4)	Sufficient number of sound watertight containers with tight fitting lid			
R.92(1)	Separate handling of infectious and non-infectious waste at the point of generation			
R.92(2)	Proper disposal of infectious waste in designated containers			
R.92(3)	Handling of non-infectious waste in accordance with good safety practice and related law			
R.92(4)	Handling all hazardous waste in accordance to relevant authority to protect persons and environment			

PROVISION	ITEM	YES	NO	COMMENT
	<b>Sewage and sewerage system</b>			
R.90	No exposed sewer line be located directly above working, storing or eating surfaces or areas or where medical or surgical supplies are prepared, processed or stored			
	<b>Nurse station</b>			
R.73(5)	1 station : 36 patients			
R.219	The location of patients room and placement of beds shall allow patients to be directly visible from nurses station			
R.73(2)	Area for writing patients' records & charts ( <i>at or nearby</i> )			
R.73(4)	Clinical hand washing facilities ( <i>at or nearby</i> )			
R.73(1)(a)	With a nurse call system from patients			
R.73(1)(b), (c), 120	Communication system available within & with other facilities in electronic system			
R.122(2)	Call systems are kept in good repair and operating condition			
R.73(2)	Medication preparation room or area ( <i>at or nearby</i> )			
R.73(3)	Toilet with hand washing facility for staff ( <i>nearby</i> )			
R.43	<b>Appropriate patients' medical record system facilities</b>			
	<b>Available and displayed in a conspicuous area</b>			
R. 11(1)	Organizational chart			
R.36	Duty roster			
R.24(1)(a),(2)	Policy statement on staff identification			
	<b>Medicine preparation room or area</b>			
R.225	Dedicated room or area for ICU/CCU			
R.74(1)(a)	Locked cabinet for dangerous drug			
R.74(1)(b)	Work space for preparation of medication			
R.74(1)(c)	Sink with hand washing facilities			
R.74(2)	Refrigerator with thermometer and exclusively for pharmaceutical storage			
R.74(3)	No test reagents, general disinfectants, cleaning agents and similar products in this room or area			
R.220	<b>Patient's room</b>			
	Total number of room (single, double etc)			
	Total number of bed according to the rooms			

PROVISION	ITEM	YES	NO	COMMENT
R.54	Doors clear opening $\geq 1.2\text{m}$ & not swing into the corridors			
R.58(1)(a)	Height $\geq 2.4\text{m}$ ( <i>air-conditioned room</i> )			
	<b>ICU/CCU</b>			
R.220(1)	Single bedded room usable floor space $\geq 18.6\text{m}^2$			
	<ul style="list-style-type: none"> <li>Between head of bed and wall – adequate space for equipment</li> </ul>			
R.220(2)	<ul style="list-style-type: none"> <li>Between side of bed and wall <math>\geq 1.2\text{m}</math></li> </ul>			
R.220(2)	<ul style="list-style-type: none"> <li>Between foot of bed and wall <math>\geq 1.8\text{m}</math></li> </ul>			
R.220(2)	Multi bedded room:			
R.220(1)	<ul style="list-style-type: none"> <li>Usable floor space <math>\geq 13.9\text{m}^2/\text{bed}</math></li> </ul>			
	<ul style="list-style-type: none"> <li>Between head of bed and wall – adequate space for equipment</li> </ul>			
R.220(2)	<ul style="list-style-type: none"> <li>Between side of bed and wall <math>\geq 1.2\text{m}</math></li> </ul>			
R.220(2)	<ul style="list-style-type: none"> <li>Between foot of bed and wall <math>\geq 1.8\text{m}</math></li> </ul>			
R.220(2)	<ul style="list-style-type: none"> <li>Between beds <math>\geq 2.4\text{m}</math></li> </ul>			
	<ul style="list-style-type: none"> <li>Between feet of 2 opposing beds <math>\geq 2.1\text{m}</math></li> </ul>			
<b>Policy</b>	<b>HDU</b>			
	Single bedded room usable floor space $\geq 13.9\text{m}^2$			
	Multi bedded room:			
	<ul style="list-style-type: none"> <li>Between head of bed and wall – adequate space for equipment</li> </ul>			
	<ul style="list-style-type: none"> <li>Between side of bed and wall <math>\geq 1.0\text{m}</math></li> </ul>			
	<ul style="list-style-type: none"> <li>Between foot of bed and wall <math>\geq 1.5\text{m}</math></li> </ul>			
	<ul style="list-style-type: none"> <li>Between beds <math>\geq 2.0\text{m}</math></li> </ul>			
	<ul style="list-style-type: none"> <li>Between feet of 2 opposing beds <math>\geq 2.0\text{m}</math></li> </ul>			
	<b>Patient's room equipment</b>			
R.223(1)(a)	Minimum two oxygen outlet, 1 suction outlet and 1 compressed air outlet per bed			
R.223(1)(b)	Appropriate critical care or intensive care beds			
R.223(1)(c)	Cubicle curtains			
R.223(1)(d)	Curtains for windows			
R.223(1)(e)	Emergency call system (patient's bed and nurses' station)			
R.223(1)(f)	Adequate facilities for therapeutic intervention, life support, back-up life support			
R.223(1)(g)	Adequate vital sign monitoring facilities			

PROVISION	ITEM	YES	NO	COMMENT
R.221(a)	Adequate supply & distribution of O <sub>2</sub> and medical gas, suction, electricity, lighting & air conditioning with emergency backup system			
R.68, 221(c)	<b>Hand washing facilities</b>			
R.68(1)	Soap, appliance and sanitary hand drying facilities			
R.68(2)	All taps are patient-friendly			
R.68(3)	Hands-free taps (for healthcare professional)			
	<b>Others facilities</b>			
R.221(b)	Isolation room for infected patient			
R.221(d)	Adequate facilities for diagnostic, monitoring, therapeutic intervention and life support			
R.221(e)	Adequate equipment and monitors for patients transport			
R.222	Acoustic treatment in patient room (to minimize sound transference)			
R.227	Appropriate support facilities are readily available			
	<b>Clean utility room</b>			
R.224	Dedicated for ICU/CCU			
R. 75(1)	At least one room per nurses' station			
R. 75(1)	A counter and space for the storage			
R. 75(2)	No hand washing sink			
R. 75(3)	Air-conditioned room			
	<b>Dirty utility room</b>			
R.224	Dedicated for ICU/CCU			
R.76	At least one room per nurses' station			
R.76	Work counter			
R.76	Waste receptacle			
R.76	Soiled linen receptacle			
R.76	Washing equipment			
R.76	Clinical sink			
R.81(2)	Double compartment sinks to clean utensil and equipment with adequate counter space on both sides and depth ( <i>according to its function</i> )			
R.224	Dedicated linen storage room or area			

PROVISION	ITEM	YES	NO	COMMENT
	<b>Janitor's closet</b>			
R.77(1)(a)	Sink ( <i>preferably with a floor receptor with mixing taps</i> )			
R.77(1)(b)	Hook strip for mop handle			
R.77(1)(c)	Shelf for cleaning material			
R.77(1)(d)	Waste receptacle with impervious linear			
R.77(1)(e)	Hand washing facility			
R.77(2)	Adequate space for mop, bucket & cleaning equipment			
R.20	<b>Resuscitation facilities</b>			
8 <sup>th</sup> Schedule (c)	Ventilation assistance equipment ( <i>e.g. ambubag, airways</i> )			
(f)	Laryngoscope and endotracheal tubes			
(d)	ECG monitoring with cardiac defibrillator			
(g)	Suction equipment			
(b)	Oxygen			
(h)	Urinary catheters			
(i)	Drugs ( <i>Adrenaline, Atropine, Steroid, S.Bicarb</i> )			
(e)	Intravenous therapy			
(j)	Basic obstetric supplies			
	<b>Overall findings</b>			
S.16(1)(a)	Complies with the building layout plan, design construction and specification to which the approval to establish or maintain relates			
S.16(1)(b)	Equipment, apparatus, instrument, material, article, sample or substance or any other thing found in the premises, or any matter connected therewith			
R.122(2)	Infrastructure and all equipment are kept in good repair and operating condition			
R.122(2)	Sterilizers are kept in good repair and operating condition			
R.122(2)	Anaesthetic machines are kept in good repair and operating condition			
R.122(2)	Furnaces are kept in good repair and operating condition			
	<b>STANDARD &amp; REQUIREMENT (DOCUMENTATION)</b>			
	<b>Organization &amp; Management</b>			
R.16(3)	Relevant qualification, training & experience of HOD			
R.11(2)	Plan of organization in writing ( <i>specify the authority, responsibility and functions of each category of staff</i> )			

PROVISION	ITEM	YES	NO	COMMENT
	<b>Personnel</b>			
	In accordance to the nature and scope of facilities & services provided			
R.13(1)	All healthcare professional are registered with proper qualification, training & experience			
R.226(1)	Ratio 1 SRN : 1 Patient			
R.226(2)	Ratio for case mixed may 1 SRN : 2 Patient			
R.226(3)	ICU/ CCU Trained staff (Qualification/ APC)			
R.125(4)(d)	Specialized SRN on duty at all times ( <i>where required</i> )			
	<b>Written policies and standard operating procedures</b>			
R.22	Relevant written policies, standards, procedures and guidelines are available and accessible to all personnel			
R.21(1)(b)	Procedure for patient admission, discharge and transfer			
R.21(1)(d)	Policy on incident reporting			
R.21(2)(a)&(b)	Written policy available to all staff & review every 5 years			
	<b>Clinical practice guidelines</b>			
	In accordance to the facilities and services provided			
R.49(6)	Infection control directives or guidelines			
	<b>Records, registers, returns and books</b>			
R.29(1),(2), (3)	Admission, discharge and death register			
R.37(1)(a)(b)(c)	Statistical Return			
R.44(4)(a)(b)	Patient's medical record			
R.30(1)	Patient's medical record register			
	<b>Programme and activities on quality</b>			
S.74(1),(2)	Information on quality programme and activities			
R.127(3)	Periodically evaluate of the adequacy in term of patient, nursing and personal care needs ( <i>with head of nursing</i> )			
R.127(2)	Continuous evaluation plan of nursing & personal care			
S.72	Mortality assessment committee at facility level ( <i>optional</i> )			
	<b>Overall findings</b>			
S.16(1)(c)	Complies with standards or requirements: books, records, policies, standard operating procedures, clinical practice guidelines or the management or related matters			

<b>Comments:</b>		
<b>Recommendation:</b>		
<b>Prepared by:</b>  <p style="text-align: center;"><b>(Name &amp; Stamp)</b></p>		<b>Verified by:</b>  <p style="text-align: center;"><b>(Name &amp; Stamp)</b></p>
<b>Date :</b>		<b>Date:</b>