

FILE NO:DQA/DEL/MEC/GeM/TP/143(4)							
Sub Product Category -Medical radiation detection or monitoring products UNSPSC CODE : 422039							
Product category - Medical radiation detection or monitoring products (IRRADIANCE METER) UNSPSC CODE : 42203900							
ITC-HS Code : 90158090.							
(*Demand aggregation to be done on UNSPSC code)							
S No.	Parameters		Value 1	Remarks	Priority	unit	Validation
1	GMDN NAME	CH	Blur Light Radiometer				
2	Definition: An instrument designed to measure the radiant flux (radiant power) in the spectral range of 400 to 500 nm (i.e., blue) during bilirubinemia treatment for newborns and infants. It typically includes a pre-filter intended to remove wavelengths of light not in the 400-500 nm range (e.g., infrared light); a primary detector consisting of a temperature-stabilized, solid-state [e.g., selenium (Se) or indium-gallium-arsenide] device used to detect radiation; electronic circuits including an amplifier and a electric meter; a power source (e.g., a battery); and a display showing the result either in analogue or digital format	CH	YES				
3	Clinical Purpose- Used for checking raddiance of Phototherapy units.	CH	YES				
4	Used by clinical: New born stablisation unit, SNCU	CH	YES				
5	Hand held, Band pass filter with max transmission 425-475 nm,	N	YES				
6	light detector sensititivity range: 0-2000 $\mu\text{W}/\text{cm}^2/\text{nm}$ ,	N	YES				
7	Measurement range: 0-100 $\mu\text{W}/\text{cm}^2/\text{nm}$ ,	N	YES				
8	minimal graduation: 1 $\mu\text{W}/\text{cm}^2/\text{nm}$ ,	N	YES				
9	Accuracy	N		Must Declare			$\pm 10\%$
10	LED or LCD display ,	CH	YES				
11	Should be able to zero between measurements	CH	YES				
12	Fast measurement response	CH		Must Declare		sec	$\leq 5$
13	Memory storage	CH	YES				
14	UV and IR should be blocked	CH	YES				
15	Hold function	CH	YES				
16	Digital display	CH	YES				
17	Built in software	CH	YES				
18	Mobility	CH	YES				
19	Power Requirements	N	220V/ 50 Hz				
20	In Built Battery operated	CH	YES				
21	Protection with fuse while using mains for charging	CH	YES				
22	Power consumption	N		Must Declare		Watt	$\leq 30$
23	Charger	CH	YES				
24	Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.	CH	YES				

25	Shall meet IEC-61010(Or Equivalent BIS) Standard Reuirements. Should be FDA / CE approved product; ISO certified company	CH	YES				
26	User training on complete operation	CH	YES				
27	Warranty		3 years warranty &Two Preventive Maintainance annually under the warranty period				
28	Calibration to be done atleast once a year		YES				
29	Operator & service manual with circuit diagram provided with the machine & calbration certification to be attached with the instalation report		YES				

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