

ANNEXURE--A

Fluorometer Technical Specifications				
S.No.	Equipment/Parameter		Description	Remarks
1	Optical Chamber	Light Source	Should have 4 watts UV Lamps having peak emission at 360nm contained in wood glass envelope which acts as primary filter. The range of emission should be from 320nm to 380nm.	
		Filter	A band pass filter with a pass band from 530 to 580nm	
		Optical	Sample in solid form can be analysed	
2	Measuring System	a	EHT for photo multiplier tube 200 to 600V continuously variable.	
		b	Range 10,1.0,0.1 and 0.01 by manual selection	
3	Sensitivity		Can deduct and estimate Uranium down to 10 power - 10 gm in a 0.4 gm sample pallet.	
4	Linearity		Folows Lamber Beer's law closely	
5	Accuracy		+/- 1%	
6	Reproducibility		+/- 2%	
7	Display		3 digit digital display, 0 to 100	