

**Annexure- A**

**Item No.1:-**

**Specifications of Secondary Standard Dosimeter for radiation exposure measurement and performing quality assurance test of telecobalt unit.**

Detector:- 0.6 cc farmer type ionization chamber, water proof.

Charge range: 1 pico coulomb to 2400 nano coulomb.

Read out (Unit):- C, A, R, Gy, Sv, Bq and more.

Stability:-  $\pm 1\%$  per five year.

Leakage:- less than 10 fA.

Power supply:- 220 volt.

Accuracy of reading:-  $< \pm 3\%$  for C0- 60 gamma radiation.

Reproducibility:- 100% (approx)

The instruments are to be operated by both AC and Rechargeable battery and also to be supplied after calibration.

**Item No.2:-**

**Specifications of Gamma zone monitor for monitoring radiation level near the entrance of cobalt room.**

Range:- 0.1 mR/hour to 100 mR/hour

Display:- 4 digits LED display ( range 0-9999)

Display Unit:-  $\mu\text{r}/\text{hour}$ , mR/hour, R/hour,  $\mu\text{sv}/\text{hour}$ , msv/hour, sv/hour

Accuracy:-  $\pm 10\%$  full scale

Alarm system:- Must have alarm system

The instruments are to be operated by both AC and Rechargeable battery and also to be supplied after calibration.

  
(Prof. S. Sekharjit Singh)

Director,

Regional Institute of Medical Sciences,  
Imphal