

57(141)2015-Pur

Gamma Ray Spectrometer

Clarifications issued

Clarification sought	Clarification issued by NGRI
<p>Details sought</p> <p>Volume of well</p> <p>. Diameter of Well tube</p> <p>. Depth of Well tube.</p> <p>. End cap diameter</p>	<p>Details given :</p> <p>Well type is required to have good photon collection efficiency (Item 2) optimized to our requirements.</p> <p>Hence you can provide/quote the one which has good light collection efficiency (corresponding to 25 %) of the detector.</p>
<p>HPGe detector required energy range</p>	<p>3 keV to 10 Mev : Clearly mentioned in our specifications</p>
<p>Cryostat position (Horizontal, Vertical) , Dewar 30L</p> <p>or</p>	<p>Dewar 30 L; Horizontal</p>
<p>Low back ground on Cryostat and Detector</p>	<p>Low radiation background to the detector will be available due to lead shield and low signal background will be made to the detector by the cryostat</p>
<p>Radiation damage --- Lead shield?</p>	<p>Lead shield is available with us, so not required!</p>
<p>MCA - Desktop or NIM base of 2K,8K,or 16K</p>	<p>Desktop and you may quote all three options.</p>
<p>Detector Bias supply - Desktop or NIM base</p>	<p>Desktop, preferred is in-built Bias supply but you may quote for both.</p>
<p>Amplifier - NIM base or DSP</p>	<p>DSP (digital signal processing)</p>