**Order the Gamma-ray Spectrometry Based on High-purity Germanium Detector (HPGe)**

According to the necessity of implementing the affairs related to environmental radiation monitoring, BNPP environmental monitoring and environmental protection laboratory, is in urgent need to a Gamma-ray Spectrometry Based on High-purity Germanium Detector (HPGe) for analyzing gamma emitting radionuclides in environmental samples (soil, water, air filter, etc). So based on the current international conditions, we kindly ask you to order for procuring the abovementioned detectors in the framework of TC projects through IAEA.

The detector specifications needed in the laboratory are as follow (Order Set):

* Gamma-ray Spectrometry Based on High-purity Germanium Detector P-Type HPGe in Vertical Cryostate and dewar vessel with Aluminum window and accessories;
* Relative efficiency 40%;
* Low-Background Lead shield with a support table(STAND)(with LN2 sensor and level monitor);
* Spectrometric devise MCA;
* LN2 storage and filing system;
* Software for spectra processing, identification of radionuclides and calculation of their activities;
* Documentation set (in English) ;
* UPS;
* PC;
* Option1: Software package Nuclide master PLUS
* Option2: Spare part for replacement:
* Input stage of preamplifier;
* Preamplifier board;
* interface module HV with positive polarity(DIM);
* Set of connectors;
* Set of cables;
* Set of tubes;
* Set of bearing.