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## Status update on the ANURIB project

We have built an ISOL type Rare Isotope Beam (RIB) facility at VECC using the K130 cyclotron as driver accelerator. So far ion beams have been accelerated up to around 415 keV/u using a combination of Radio Frequency Quadrupole (RFQ) linac and three IH-Linacs. Two more IH Linac modules and inter-connecting beam-line have been added in a new Annex building to increase the energy to 1.0 MeV/u. Rare isotope beams of 14<sup>o</sup>O, 42<sup>o</sup>K, 43<sup>k</sup>K, 41<sup>a</sup>Ar and 111<sup>i</sup>In have been accelerated with typical intensities of 10<sup>a</sup> to 10<sup>i</sup> pps to demonstrate commissioning of the facility. Ion beams of stable isotopes are also accelerated and utilized by users for material science studies.

Our focus so far has been to complete R&D and construction of individual building blocks from ion-source to linear accelerators in preparation for the next generation facility called ANURIB - a facility for applied and nuclear research with rare isotope beams. Pre-project activity for ANURIB is funded and work is ongoing for filling R&D gaps in remaining three major areas namely super-conducting electron linac photo-fission driver, super-conducting heavy-ion linac and high power actinide target module which are being pursued jointly with TRIUMF lab in Canada.

Present status and future plans for the ANURIB project will be discussed.

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