Annex-3
List of IIFC Activities Envisioned & Associated Resource Persons

Activity/Sub-activity	Resource Person(s) Identified
1. Accelerator Physics Design Studies	**P. Singh, BARC; V. S. Pandit, VECC**
Full accelerator design of a CW 2 MW, 2/3 GeV energy	
Ion Source and RFQ design	
Beam halo formation and mitigation	
Longitudinal aperture, capture & transition studies (325, 650 & 1300 MHz transport)	
2. Accelerator components: Research, design & dev	
Superconducting cavities	
Spoke Resonator (325 MHz)	**Amit Roy, IUAC**
Elliptical cavities @650 MHz & @1300 MHz	**S. C. Joshi, RRCAT; S. Som, VECC**
Cryo-module (Electron machine for RIB@VECC)	**J. Chaudhuri, VECC**
Cryo-module (HIPA)	**P. K. Kush, RRCAT**
RF Power, distributions and control	**V.K.Handu & G. Joshi, BARC; P.Shrivastava,RRCAT; S. Som, VECC**
Instrumentations	**C.K. Pithawa,BARC**
Accelerator controls	**S. Pal, VECC; C. P. Navathe, RRCAT T.S.Ananthakrishnan, BARC**
Accelerator magnets	**S. Malhotra,BARC; P. Bhattacharya,VECC; S. Das, RRCAT**
3. SRF Infrastructure	
Material evaluation, cavity fabrication & its qualification	**S.B. Roy & S.C. Joshi, RRCAT**
Nb quality control (Eddy current scanner, RRR measurement, Microsope, High resolution cameras)	
Mechanical cavity fabrication tooling & CMM evaluation	
Electron Beam Welding set up	
Cavity processing	
Frequency measurement and automatic tuning machine	
Horizontal test stand	
Vertical test stand	
Cryomodule assembly facility	**S.C. Joshi & P. K. Kush, RRCAT J. Chaudhuri & A. Duttagupta, VECC**
Tools for cavity dressing (like laser, tig welder etc)	
Other cryo-module components (like tuners, couplers etc)	
Fixtures for string and cryomodule assembly	
Clean rooms equipped with appropriate tools	
Cryo-module test stand	