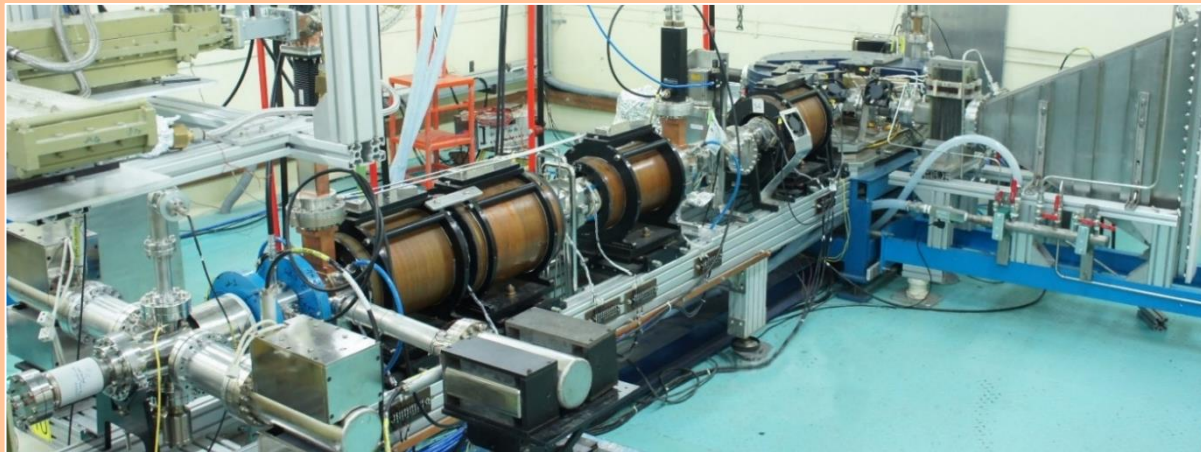


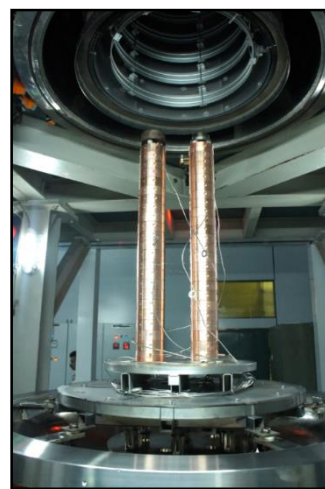
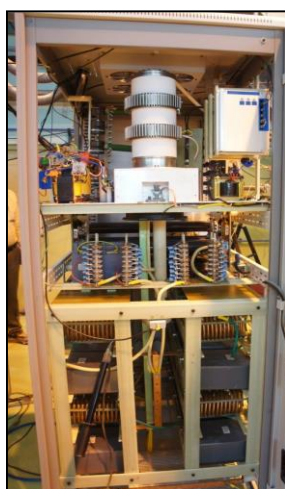


Theme meeting on Manufacturing of industrial Linacs by Indian industry

September 14, 2024
Website: www.rrcat.gov.in
RRCAT, Indore



RRCAT has developed high energy, high power (10 MeV, 15 kW) linacs for food irradiation and sterilization of medical devices. This technology, with some customization, is also useful for other applications like radiotherapy, industrial radiography of thick components, neutron radiography and cargo scanning etc. Linac manufacturing involves multi-domain component manufacturing, procurement, handling, testing, qualification. Indian industry is invited to participate in Linac systems manufacturing under the **“Make in INDIA”** initiative to make **Atmanirbhar Bharat Abhiyan** successful in this high tech field.



Manufacturing domains involved

Power electronics
RF and Microwave engineering
Precision machining and vacuum brazing
Control system
System integration and assembly (electrical, controls, mechanical – assembly area)
Machine testing with e-beam (to be done at RRCAT facilities with industrial manpower)
Procurements including imports,
Documentation – Drawings, Manuals, Quality control

Who should attend?

- Indian industries willing to manufacture Linac systems
- Radiation processing industries
- System integrators
- Gamma facilities willing to upgrade to e beam technology
- Microwave system components suppliers
- DAE representatives working in this field

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Theme meeting on
Manufacturing of Industrial Linacs by Indian Industry
September 14, 2024
Vikram Sarabhai Hall, Convention Centre
RRCAT, Indore

PROGRAM SCHEDULE

INAUGURAL SESSION 09:30 - 11:00	
Address by President, Indian Society for Particle Accelerators (ISPA)	
Inaugural address by Director, RRCAT	
Talk-1 10:00 - 10:15	Importance of manufacturing Linac in India – Jishnu Dwivedi
Talk-2 10:15 - 11:00	Overall plan for manufacturing – R.S. Sandha
TEA BREAK 11:00 - 11:30	
SESSION-2 (Manufacturing requirements of Linac Systems)	
Talk-3 11:30 - 11:50	E-gun, Accelerating structure and Beam delivery systems – R.S. Sandha
Talk-4 11:50 - 12:30	RF system of Linac - T. Raghu
Talk-5 12:30 - 12:50	Control system – Dr. R.P. Yadav
Talk-6 12:50 - 13:30	Magnetic system, FCT, DC supplies, Vacuum
LUNCH 13:30 - 14:10	
SESSION-3	
Talk-7 14:10-14:45	New procurement procedures, guidelines, and interaction with industries – A. Puntambekar, Regional Director, IRPSU
Talk-8 14:45-15:40	Interaction amongst all stakeholder (Moderated)
TEA BREAK 15:40- 16:00	
SESSION-4	
16:10 – 19:30	Visit to the Linac facility
September 15, 2024 (Sunday)	
Interested industries/ persons can visit the Linac facility for detailed study and interactions	