

IIT Indore's radio telescope ready for operation

Tharoor to inaugurate the telescope today

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Indore

The first radio telescope prepared by Indian Institute of Technology Indore is ready to function.

The telescope would be inaugurated by minister of state for human resource and development, Dr Shashi Tharoor in the institute's Pithampur Auto Cluster Limited (PACL) campus on Friday.

The minister would arrive in the city at 7.55 am and

would leave for PACL campus where inauguration ceremony would take place at 11 am.

The institute would use the telescope, which is developed under a NASA project, for detecting diffuse emission from the largest structures in the universe.

Two galaxy clusters, mission of light years across, at 10 million degrees, when clash into each other at 5000 km/s result in the biggest bangs in the universe that dwarf supernova. Such

clashes attracted the attention of the institute and it had decided to carry out research in astrophysics.

This telescope, which is said to be the third biggest radio telescope in the country, is outcome of that curiosity of the institute.

The institute said that it's is first radio telescope of the IIT Indore having a novel feature of embedded systems at 5, 10, 14 GHz. In next five years, the institute will have an array of 30 dishes.

The institute also has a plan to build a satellite with the help of ISRO.

Dr Siddharth Savyasachi Malu is working on the satellite project.

