

Sat, 05 Nov, 2016

(Online)

EARC- Leh likely to enter Guinness Book of Records as world's highest terrestrial centre

Changla-(Ladakh), November 5, (Scoop News)-The Extreme Altitude Research Centre (EARC), a subsidiary of Defence Research and Development Organisation (DRDO), is likely to replace Pyramid laboratory, situated at the base Mount Everest in Nepal, as world's highest terrestrial research laboratory to enter the Guinness Book of Records.

Located an altitude of over 17,601 feet above the sea level, EARC is nearly 1,000 feet higher than current record holder, Pyramid Laboratory, which is established at an altitude of 16,571. 50 feet, the sources said.

According to the sources, the altitude was calculated on Saturday by GPS based instruments that had been pre calibrated and sealed by the Institute of Engineering and Technology, Punjab University Chandigarh and adjudged by survey engineers of local administration, Engineers of Border Roads organization. The entire exercise has been recorded on video cameras as an evidence of the event to be provided to Guinness, the sources added.

Changla is 78 km to the east of Leh, the district headquarters, temperature, during winter months dips to nearly 50 degree Celcius and EARC was established here in October 2015. It is the only facility of its kind to test extreme altitude relating technologies specifically for defence and military relevance.

Aimed at bettering human efficiency and the dwellings at extreme altitude, the main activities sanctioned for the Centre includes human physiology, high altitude sickness, portable green houses and propagation of endangered medicinal plants besides non conventional sources of energy and electronic equipment, they said.

The Centre, sources said, also helps in evaluating the efficiency of new technologies but also expedite user trial induction in the army as the equipment will undergo rigorous testing in actual climatic conditions which is supposed to be deployed by it for the strategic Siachen sector at EARC winter temperature at Changla....

The logo for NetIndian features the word "NetIndian" in white serif font on a dark red rectangular background.

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DRDO signs MoU with IIT Delhi to establish Joint Advanced Technology Centre

The Defence Research & Development Organisation (DRDO) signed a memorandum of understanding (MoU) with Indian Institute of Technology (IIT), Delhi here yesterday to establish a Joint Advanced Technology Centre (JATC).

The JATC will be located in the campus of IIT Delhi at the upcoming Science and Technology Park (Mini-Science Park), an official press release said.

Secretary, Department of Defence R&D and Chairman DRDO S Christopher signed the MoU with IIT Director V Ramgopal Rao. The JATC will enable directed, basic & applied research and will engage with premier research institutes through multi-institutional collaboration, it said.

As per the MoU, DRDO will support JATC in equipping it with advanced and unique research facilities that will enable the faculty and scholars to conduct advanced research and transform the JATC as a Centre of Excellence. DRDO scientists and engineers will work with the academic research faculty and scholars in addressing scientific problems to find an innovative solution. DRDO will facilitate towards advanced research to utilize technology outcome in the futuristic applications.

The release said the creation of JATC is aimed at undertaking and facilitating multi-disciplinary directed basic and applied research in the jointly identified research verticals. The researchers will get the opportunity to work in advanced areas of research such as Advanced Materials for Ballistic Protection, Advanced Mathematical Modelling and Simulation, Advanced Electromagnetic Devices and Terahertz Technologies, Smart & Intelligent Textile Technologies, Brain Computer Interface & Brain Machine Intelligence besides Photonic Technologies, Plasmonics and Quantum Photonics, and so on. The focused research efforts at the centre will lead to realization of indigenous technologies in these critical areas, which will be used for speedy self-reliance, it said.

Faculty members and researchers in various Engineering and Science departments of IIT Delhi will participate in the research programme/projects of the Centre. JATC may also involve other premier institutions in the region, based on their research strengths.

DRDO signs MoU with IIT Delhi to establish JATC



New Delhi: Defence Research & Development Organisation (DRDO) signed a Memorandum of Understanding (MoU) with Indian Institute of Technology (IIT), Delhi to establish a 'Joint Advanced Technology Centre' (JATC) at a function held in IIT, Delhi on 04 November 2016.

JATC will be located in the campus of IIT Delhi at the upcoming Science and Technology Park (Mini-Science Park 'MSP'). Secretary, Department of Defence R&D and Chairman DRDO Dr. S Christopher, signed the MoU with the Director IIT Delhi Prof. V Ramgopal Rao. The JATC will enable Directed, Basic & Applied Research and will engage with premier research institutes through multi-institutional collaboration.

As per the MoU, DRDO will support JATC in equipping it with advanced and unique research facilities that will enable the faculty and scholars to conduct advanced research and transform the JATC as Centre of Excellence. DRDO scientists and engineers will work with the academic research faculty and scholars in addressing scientific problems to find an innovative solution. DRDO will facilitate towards advanced research to utilize technology outcome in the futuristic applications.

The objective for creation of JATC is to undertake and facilitate multi-disciplinary directed basic and applied research in the jointly identified research verticals. The researchers will get the opportunity to work in advanced areas of research namely Advanced Materials for Ballistic Protection, Advanced Mathematical Modelling and Simulation, Advanced Electromagnetic Devices and Terahertz Technologies, Smart & Intelligent Textile Technologies, Brain Computer Interface & Brain Machine Intelligence besides Photonic Technologies, Plasmonics and Quantum Photonics, etc. The focused research efforts at the centre will lead to realization of indigenous technologies in these critical areas, which will be used for speedy self-reliance.

Faculties and researchers in various Engineering and Science departments of IIT Delhi will participate in the research programme/projects of the Centre. JATC may also involve other premier institutions in the region, based on their research strengths.