



DRDO

Curtain Raiser
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Jammu

DRDO at the 101 Indian Science Congress

The Defence Research & Development Organisation is all set to make its presence felt at the 101 Indian Science Congress (101 ISC) being organised at Jammu University, Jammu during 03-07 February 2014. DRDO's technological strength depicted through its state of the art systems and technologies will be showcased at the exhibition arranged as a part of 101 ISC. The DRDO pavilion has continuously bagged top awards for the last four years.

Highlight of DRDO's participation in the Indian Science Congress will be a special evening lecture "**Scientific Innovation in Security**", by Shri Avinash Chander, SA to RM, and Secretary, Department of Defence R&D, at General Zorawar Singh Auditorium on 03rd February 2014, in session during 1645-1845 hrs. Sh. Avinash Chander, a Padma Shri Awardee, is an accomplished missile scientist who has led the indigenous design, development and production of India's ballistic missiles. These missiles, capable of delivering strategic payloads in excess of 5000 km provide credible deterrence against misadventures by any adversary and are thus the weapons of peace.

Besides the exhibition of DRDO products, another important event will be a public outreach session titled "**Innovations in Defence Technologies**" scheduled to be held on 5th Feb 2014 between 0930-1330 hrs at the Lecture Hall, JU. During the session Dr G Malakondaiah, DS & CC R&D (HR & TM) will lead a galaxy of senior DRDO scientists in presenting the activities and achievements of the organization.

The visitors will get to see not only the ever popular missiles like Agni 1,2,3 that have been inducted into Service but also the state of the art indigenously developed sub-systems and technologies that make them unique. These include composite rocket motors, carbon-carbon composite heat shield for re-entry of payload, advanced inertial navigation system, on-board computers, sensors based on fibre optics, MEMS and many more. LCA Tejas that is all set to be inducted into Indian Air Force can be seen along with LCA Navy. The other star aeronautical systems will be Airborne Early Warning & Control (AEW&C) aircraft, Pilotless Target Aircraft Lakshya, Nishant and Rustom Unmanned Air Vehicles and a host of aero subsystems. DRDO's power in the oceans will be depicted through torpedoes, mines, decoys, and last but not the least, the Autonomous Underwater Vehicle (AUV), that can be used for intelligence collection, search, surveillance, weapon delivery, etc. Aslesha, Bharani, Rohini and WLR radars, microwave components, night vision devices and laser based systems will also be on display. A number of innovative soldier protection and performance enhancement systems

can be seen. DRDO has developed several material technologies and established production facilities as well. A few samples such as titanium sponge, high power rare earth magnets can be seen.

All are cordially invited to visit the DRDO pavilion at Hall 1, Exhibition Ground and also attend the lectures by DRDO scientists and engineers to get a first-hand account of the innovative R&D leading to increased self-reliance.

About DRDO

India today has a proud position among the elite nations in the world, being: One of the FOUR countries to have multi-level Strategic Deterrence Capabilities; Among FIVE countries to have its own Ballistic Missile Defence (BMD) program; Among SIX countries to have developed a nuclear- powered Submarine; Among SEVEN countries to have developed its own Main Battle Tank (MBT) and indigenous 'Fourth plus' generation Combat Aircraft; and among select few countries to have its own Electronic Warfare & multi-range Radar program.

These and many more world class weapon systems, platforms, military equipment and related materials are based on cutting edge technologies developed by DRDO, the Defence Research Development Organization (<http://drdo.gov.in>). DRDO is the R&D wing of the Ministry of Defence, Govt of India, with over 55 years of innovation and R&D and a vision to empower India with cutting-edge defence technologies. It's mission is to achieve self-reliance in critical defence technologies and systems, while equipping the armed forces with state-of-the-art weapon systems and equipment. DRDO has led the design, development and production of state-of- the-art weapon systems, military equipment and soldier support systems, in accordance with requirements laid down by the three Services. DRDO has led these products to production by the Indian public and private sector industries, including SMEs (small and medium enterprises), all through, taking them along in the journey of building self-reliance. These products and technologies have been instrumental in overall industrial growth in the crucial segment of defence industries; taking the share of indigenous content of items approved for acquisition by our armed forces to over 55%. The production value of systems based on DRDO technologies that have been inducted / approved for induction into Services (excluding strategic systems) stands at over `1, 60, 000 crore. Besides, exhaustive infrastructure for design, development, testing and comprehensive evaluation of weapon systems, and related materials has been created as national assets.

DRDO's accomplishments are result of hard work and dedicated efforts of a relatively small work force comprising just about 7500 DRDS scientists and about 19,000 technical and support personnel, working in its 60 R&D laboratories, establishments and work centers. Indeed, this committed work force being its most valuable asset, DRDO lays great emphasis on their selection process, post induction training and career long professional development, providing an excellent meritorious career.

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