

## CSIR-CMERI demonstrates variants of advanced Mob Control Vehicle prototypes

New Delhi, Feb 01 (India Science Wire): Equipping and training paramilitary forces engaged in maintaining the law and order situation in the country is important. With a view to elevate modern technical support to the forces, Council of Scientific and Industrial Research- Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, has developed and demonstrated its three advanced and indigenously designed variants; 'Compact, Medium, Heavy' category of Mob Control Vehicles (MCVs). These vehicles have been demonstrated to a team of Ministry of Home Affairs (MHA) recommended members under the leadership of Inspector General, Rapid Action Force (IG-RAF), Central Reserve Police Force (CRPF) at Parade Ground, CRPF Group Centre, Gurugram, recently.

The Heavy category of these MCV prototypes has a 7.5-ton payload capacity. While the Medium category is of 2.5-ton payload capacity, the Compact one is a tractor-based vehicle for easy maneuvering. The key requirement and followed specifications have been evolved, formulated with the involvement of various designated stakeholders.



The prototypes consist of several independent operational units unified as per vehicle category and operational requirement during mob control. The operational units have height adjustable front shovel, retractable protective front shield, all round irritant spray system, foam spray system and tear smoke munitions system.

The other capabilities are cabin pressurization system, retractable multi-barrel tear gas launcher with appropriate electronic vision systems, wide-angle surveillance, multi-channel video transmission system, GPS tracker and, GPS navigator. The design architecture allows easy and fast customization in downstream products. The production versions of the MCVs can be tailor-made as per the actual requirements and functional priorities of the users so that their effectiveness in mob/riot control scenarios can be augmented. (India Science Wire)

Keywords- Mob Control Vehicles, indigenous, compact, medium-heavy category, CSIR-CMERI

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