

Special Service and Features



## CSIR-SERC successfully transferred High Velocity Multi-Hit Resistant Movable Protective Booth/Shack for Security Personnel Technology to a member of Laghu Udyog Bharati (LUB)

Posted On: 21 AUG 2025 3:08PM by PIB Chennai



CSIR-SERC (Structural Engineering Research Centre) a premier national laboratory under CSIR, has successfully transferred pioneering technology “High Velocity Multi-Hit Resistant Movable Protective Booth/Shack for Security Personnel” to M/s Kistler Morse Automation Limited, Hyderabad a member of Laghu Udyog Bharati (LUB).

The technology was transferred to M/s Kistler Morse Automation Limited, Hyderabad at CSIR-SERC, Chennai on 21<sup>st</sup> August 2025. The technology transfer agreement of the Security Booth was signed by Dr. N. Anandavalli, Director, CSIR-SERC, with Capt.KK.Sharma, Executive Vice President from M/s Kistler Morse Automation Limited, Hyderabad. The inventor of the technology Dr. Amar Prakash, Senior Principal Scientist, Dr K.Sathish Kumar, Chief Scientist and Head, BKMD, Shri V.Ramesh Kumar, Principal Scientist, Dr.J.Venkatesan, Senior Scientist, Smt Chitra Sankaran, Principal Technical Officer and Smt R.Soniya, Senior Technical Officer were present during this event.



## Security Booth/Shack

CSIR-SERC has developed a modular security booth/shack for military and security personnel, constructed using steel fiber-reinforced cementitious composite panels mounted within a steel frame. The booth is designed to provide NIJ level-III protection, capable of withstanding multiple hits from 7.62 AP projectiles in accordance with NIJ standards.

### Key Features of the Booth/Shack:

- Multi-impact resistance (NIJ level-3) with enhanced ricochet resistance
- Pre-engineered, precast, and fully indigenous modular design, ensuring easy assembly and disassembly within an hour without the need for heavy machinery
- Simple to repair, reuse, and replace, offering cost-effectiveness and long-term durability
- High mobility and easy repositioning, combined with an attractive aesthetic appearance.

The developed security booth is useful for protecting personnel deployed for guarding various important and critical facilities across the country.

Following are few potential stakeholders for the developed product:

- CISF
- CAPF
- CRPF

- BSF
- Defence agencies, Embassies, Airport authorities so on.

\*\*\*

SS/KR

(Release ID: 2159007) Visitor Counter : 74