



Human Security and Defense Research and Development (R&D)

Duration: 2022-2032

Host Institution: DOST - Forest Products Research and Development Institute (FPRDI)

Project Description

The program will support the DOST-DND's research and development partnership for the country's self-reliant defense capability program. The DND program aims to be sufficient in basic military requirements by manufacturing our weapons, small arms and ammunitions, tactical communications equipment, basic land vehicles and small sea crafts, among others. This program will engage on development work to produce armament and defense materials from our forests products. For armament, the program will develop the technology to produce military grade cellulose nitrate from local fibers like abaca and paper mulberry, among others. It will also explore the suitability of other indigenous materials as alternative gunstock for sniper rifles and component of chobham armor for military vehicle.

Experts Needed

- Agricultural Chemist
- Resource Management and Environmental Science
- Chemical Engineer
- Materials Science Engineer
- Forester
- Biologist
- Molecular Biologist
- Chemist
- Mechanical Engineer
- Civil Engineer
- Computer Engineer

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