

## **DRDO – FICCI Accelerated Technology Assessment and Commercialization Programme**

### **Novel mould design for retort processing of Liquid, Semi-solid & Solid food products**

Over the past two decades, the nutritional awareness of the consumers, desire to have convenient processed products, change in pattern of working style etc., have increased the processed food products such as MRE. During war, peace keeping operations army personnel can easily carry these packages on their Backpacks. Retort processing is the most acceptable form of food preservation for ready to eat food products. It represents a unique combination of package, process and product technologies with potential, functional, quality and economic benefits. It requires just warming in a microwave oven or water bath before eating. Packaging of this food should withstand thermal processing. Retort pouch is the flexible laminated food package having light weight. It maintains the shelf-life, texture and nutritive value of foods. Our laboratory is mainly working on the MRE requirements of Defence personnel, paramilitary and development of nutritional foods to meet the requirements of logistic operations is a thrust area.

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