

GOVERNMENT OF INDIA
MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES

RAJYA SABHA
UNSTARRED QUESTION No. 896
TO BE ANSWERED ON 06.12.2021

MEASURES FOR DEVELOPMENT OF R&D CAPACITY

896. SHRI TIRUCHI SIVA:

Will the Minister of MICRO, SMALL AND MEDIUM ENTERPRISES be pleased to state:

- (a) whether Government has undertaken any measures for development of R&D capacity of the Micro, Small and Medium Enterprises (MSMEs);
- (b) if so, the details thereof;
- (c) whether there has been any impact analysis of such measures; and
- (d) if so, the details thereof?

ANSWER

MINISTER OF MICRO, SMALL AND MEDIUM ENTERPRISES
(SHRI NARAYAN RANE)

(a) & (b): Yes, Sir. Government of India and its agencies like Council for Scientific and Industrial Research (CSIR), Coir Board, Khadi and Village Industries Commission (KVIC), Department of Biotechnology (DBT), Central Coir Research Institute (CCRI), Central Institute of Coir Technology (CICT), Mahatma Gandhi Institute for Rural Industrialization (MGIRI) etc., have schemes and programmes with a multi pronged approach including research and development in Micro, Small & Medium Enterprises (MSMEs) as under:

- Incubation and Commercialization of Business Ideas Programme through technical/ research institutes, Ministries of GOI and Private incubators through A Scheme for Promoting Innovation, Rural Industry and Entrepreneurship (ASPIRE).
- Research & Development (R&D) Projects for development of Ceramic Heat Sink (CHS) for Led Bulbs, low thermal Cordierite Porcelain Cook Wares, etc.,
- Modernization of Production Processes, Development of Machinery & Equipments, Testing & Service facilities, in coir sector.
- Products developed through R&D initiatives by Ministry of MSME like, brush using the waste cut bits of PVC/ rubber tufted coir mats on a wooden mop with replaceable brush portion at the bottom, Covid-mattress were manufactured using bio softened coir fibers which is natural, low cost and 100% biodegradable, Two patent namely 1) A Novel floor cleaning formulation and method thereof (Patent No.221369) and 2) A Process for preparing natural paint (Patent No. 336188) granted, During the period 2020- 2021, MGIRI came up with a number of technologies namely Improved low cost Pug Mill, Pneumatic Hammer for Iron craft, Pedal Operated Blunger Improved Hank Dyeing Machine, Honey Bee Pollen Solar dryer, Down sized Cotton Ginning machine and Moringa Leaves Separator, etc.
- Prototype development, process improvement, quality enhancement, single use plastic alternatives, packaging alternatives, IoT through Technology Centres (TCs).
- Creation of affordable products through various schemes like Biotechnology Ignition Grant (BIG), Small Business Innovation Research initiative (SBIRI), etc.

(c) & (d): Most of the aforementioned establishments have a system of third party evaluations. The Tool Rooms of Ministry of MSME have been evaluated by independent bodies such as NITCON and NPC, New Delhi. Among the varied and different analyses available across products, process, equipments, components, parts, the impact for the industry has been positive developments in the local and sectoral arena. Learning from these need replications so as to reap the benefits to all.
