Food for thought & thought for food

CSIR-800
Prosperity for All

Inclusive growth and improvement in quality of life of the 800 million people at the bottom of the pyramid through S&T intervention relevant to their socio-economic development
1. 37 research laboratories and 39 extension centres
2. spans the length and breadth of India.
3. Established in 1942 as an autonomous, non-profit industrial research organization.
4. CSIR's charter of functions includes promotion, guidance and coordination of scientific and industrial research, collection and dissemination of information on research and industry.
5. Setting up of laboratories to carry forward scientific and industrial research and utilization of the new knowledge so generated, for development of industry and society at large.
CSIR-CFTRI

Central Food Technological Research Institute

- Generate and apply knowledge of food science and food technology for optimal conservation and utilization of the nation's food resources
- Integrate scientific and technological knowledge into conventional and traditional systems and practices, and local and regional realities
- Add value and utility to agro-resources through R&D and contribute to sustained development, food security and food safety
- Aid and promote the development of food industry through inter-disciplinary, innovative and state-of-the-art solutions
- Set national standards for food quality, and spread food quality consciousness all around
- Sustain leadership in long-term strategic research and technology development
- Integrate the food supply chain from the cultivator to the consumer so that cultivators get optimal returns from processing, and consumers get the food that they want, when they want, where they want, in whatever form they want and at affordable cost.
Mission:

1. To increase the per capita income of the people by Rs. 15 a day

2. To improve quality of life by providing affordable S&T interventions thereby making them self-sustainable and contribute to national building
Objectives:

- Creating income generating new business opportunities for budding entrepreneurs.
- Enabling budding entrepreneurs, through skill development, to tap business opportunities in the existing supply chain activities i.e. manufacturing or marketing or maintenance.
- Guiding budding entrepreneurs through relevant Government schemes/support programmes, wherever possible.
- Providing women centric solutions, particularly related to collection of water, to save time & energy for alternate gainful utilization.
- Providing a few technological interventions with end-to-end business plan.
WORKING MODEL

Trigger: CSIR-800 Technologies

Pushers: Line Ministries, Funding Institutions, Banks

Carriers: Budding Entrepreneurs, SelfHelp Groups, NGOs

Outcome: A newset of Manufacturers, Suppliers, Distributors, Retailers
CSIR has launched "CSIR-800" program to leverage its relevant technological knowledge base, for the benefit of 800 million people of the country lying at the bottom of economic pyramid. Many CSIR laboratories are working not just in high science but also generating meaningful S&T interventions for the common man. CSIR has also made a plan to establish many new linkages and build partnerships with different ministries/ departments to reach the unreached.
Enhancement of earning or Increase in purchasing power

Enabling the target group to afford life-style bettering products/services

The increased demand will fuel resurgence in production Potable water, Low-cost Sanitary napkins, Low-cost Diagnostics, and Neutraceuticals

Enhanced Educational expenditure, Solar Energy, ICT for Education are domains where increased investment is expected.

Self-sustaining, mutually complementary cycle of demand and supply, supporting strong entrepreneurial groups to benefit the 800 million.

Self-sustaining, mutually complementary cycle of demand and supply, supporting strong entrepreneurial groups to benefit the 800 million.
Implementation

- Large scale transfer of proven technologies for production of goods and services

Future Implementation

- Focused development of various technologies and services by CSIR
- Each technology should be scalable impacting a million lives and beyond
- Learning from the scale-up process will be critically analyzed and imbibed to enhance user acceptability and cost-effectiveness
- Screened technology will be dovetailed into major national programmes/missions
- A set of objective criteria will be developed to judge the success of CSIR-800 initiatives
Increase earning by Rs 15/day (Rs 5000/annum) leading to expenditure in:

- Education: Rs 1000 pa
- Healthcare: Rs 1000 pa
- Augment Lifestyle: Rs 3000 pa
Is a project which aims at providing a better life to 800 million people in the country and hence bringing solutions in the area of health, agriculture, and energy. Scientific and Technological innovations cover a varied range of technologies such as mechanized agriculture, low cost housing, new cultivation techniques, water purification techniques, and traditional ceramic products using local based inputs. Born out of the recent CSIR vision, appropriately titled, CSIR-800 and aimed to empower 800 million Indians by way of S&T intervention.
NGO’s fulfilling the following criteria may apply:

- NGO’s should be active and successfully completed projects funded by Government of India or State Government.
- The competent NGO should possess a Registration certificate and also should possess a report from the concerned District administration.
- The NGO should submit three years audited annual turnover statement.
- Should possess direct experience on related project areas.
- The NGO should be apolitical and secular in character and also fulfill other criteria as required by Government Institutes.
- NGO’s fulfilling all the criteria will be short listed by a selection committee constituted by the parent Institute.
- Short listed NGO’s will be invited to present their implementation plan to the Selection Committee and Selection Committee further shortlists NGO’s for specific tasks.
Select S& T interventions from CSIR

1. Low cost Housing:
   - Preparation of prefabricated walling and roofing elements
   - Earthquake resistant quality construction
   - Improved rural mud housing technologies
   - Trained 1200 engineers, 600 masons, 20 entrepreneurs and NGO's on rural housing technologies
   - Construction of 1500 houses in and around Delhi using CSIR-CBRI technologies
   - Awareness drive conducted through exhibitions, manuals, pamphlets, newspapers, training programs and website undertaken to each 10 million people
   - Technology transferred to 3 NGO's and 4 Govt. depts
2. Post Harvest Centers in Mizoram & Arunachal Pradesh

- 1 post harvest processing center at Mizoram and 2 at Arunachal Pradesh established
- Provided employment to 300 people
- Augment income of about 10,000 farmers by 20-25%
- To reduce the crucial post harvest losses
- End to end support from CFTRI
3. Promotion and Utilization of bamboo

- Rooted and rhizome plants provided to farmers
- Production of better quality bamboo charcoal demonstrated (16% better recovery)
- Training imparted in making Value Added Products like Bamboo RTS (Ready to Serve) drink, Bamboo syrup, bamboo candy etc. 200 ha brought under cultivation in Himachal Pradesh
- State of the art bamboo museum established at CSIR-IHBT
4. **Samadhan Kendra - A rural information technology center for farmers**

- 4 Samadhan Kendra established at East and West Godavari districts
- Each Samadhan Kendra caters to the needs of 20 villages
- 1 lakh population benefitted from each centre
- 70,000 mango farmers benefitted in Chittor district
- 43042 visitors visited the four Samadhan centres of West Godavari district of Andhra Pradesh in 2010-2011
- Integral part of the India Development Gateway (InDG) Portal
Contact Us:

- Mr. Raghavendra
  Technology Transfer & Business Development
  CSIR - CFTRI
  Mysore 570 020
  Ph: +91 9886042556
  E-mail: raghavsadan@gmail.com
THANK YOU