

Pharmaceuticals: Framework for Global Competitiveness & Promotion of Innovation

Knowledge Creation & Commercialization

- Focused scheme for encouraging domestic manufacturing of critical raw-materials and intermediates/inputs for bulk drugs: Tax holidays for overseas companies for JV's with Indian partners, reduced excise duty on inputs etc.
- Launch a scheme for improving cold chain infrastructure for pharmaceuticals and refrigerated Vehicles.
- Focused scheme to support infrastructure creation for setting up green-field medical devices and equipment parks.
- Launch a national level scheme to encourage both academia & industry to target efforts towards new drug development & commercialization of the same.
- Focused scheme to improve scale of operations of domestic companies: Incentivization for higher investments, direct & indirect subsidy schemes, assistance for market access.

Inclusive Innovation

- Develop software, under the technical guidance of DCGI, for helping the SMEs in achieving various regulatory compliances.
- Focused scheme for encouraging SME's to upgrade to WHO-GMP standards.
- Provide database & technology support to SMEs

Knowledge Diffusion & Absorption

- Set up an implementing agency to enable Indian small scale units to adopt 2D barcoding which has been made a regulatory requirement for export of medicines by DGFT.
- Set up a national implementing agency to undertake project of planning, implementing and monitoring the program for incorporating RFID in cold chain and logistics to improve the traceability in the pharmaceuticals supply chain.
- Set up a designated R&D center for bulk drugs as a separate profit center.
- Set up a Pharmaceutical Nanotechnology Center to perform focused research on use of nano-materials for emerging industries like medical devices industry and for new innovative drug delivery systems
- Launch a scheme to set up Joint testing and lab facilities for certification of Indian pharmaceuticals products imported into various focus countries in BRIC, ASEAN, CIS, IBSA markets.
- Set up training centers for "International Manufacturing Standards" at major bulk drug clusters

Support Mechanisms

Skills

- Database support to SMEs including country wise SOPs for testing, technology related journals etc.
- Awareness of international manufacturing standards.
- Training centres for "International Manufacturing Standards

Policy

- Policy support from government so as to resolve raw-material issues faced by Indian bulk drugs industry.
- Tax-holidays
- Reduction in excise and customs duty of critical chemicals and raw materials
- FTAs for improved market access

R&D

- Dedicated research for bulk drugs.
- R&D in the area of nanomaterials, bio-similars.
- Scheme to encourage both academia & industry to target efforts towards new drug development.
- Incentive scheme to reward breakthroughs in drug discovery

Infrastructure

- Joint testing labs with international companies.
- Training centers for international manufacturing standards.
- Cold chain facilities
- Shared Marketing Services
 Centers
- Incubation centres

Collaboration

- · Collaboration for testing labs
- Collaboration for domestic raw-material manufacturing
- Collaboration for R&D and standardization