

State Innovation Action Plan (IAP) for Twelfth Five Year Plan

1. Background

Innovation is the application of better solutions that meet new requirements, unarticulated needs, or existing market needs. This is accomplished through more effective products, processes, services, technologies, or ideas that are readily available to markets, governments and society.

With the development of modern competitive society, a demand for delivery of existing products & services at the lesser cost, in the lesser time with lesser disruption and with organisational restructuring in a transparent manner along-with the delivery of more products and services with enhanced quality is also need of the modern competitive era.

At National level, the Government of India has constituted a National Innovation Council (NInC) consisting of 17 prominent members from different fields with a view to drive the innovation movement in the country and to lay a roadmap for transforming the country into an innovation nation, with a focus on inclusive growth. The core focus is to drive an Indian Model of Innovation to provide solutions related to basic human needs for the people at the bottom of the pyramid which should create affordable opportunities in key areas such as Health, Agriculture, Education, Energy, Transport and Housing etc.

For creating sustainable and cost effective solutions and delineating the same to the people at the bottom of the pyramid, National Innovation Council decided to federalize the system and create State Innovation Councils & Sectoral Innovation Councils.

2. State Scenario:

In order to create a climate for fostering, accelerating & diffusing innovation in public systems through sharing of experiences across various sectors within State and to facilitate the establishment of institutional and human capacities for innovation through knowledge sharing and mobilisation of practical experiences, Government of Himachal Pradesh had constituted HP State Innovation Council on 7th January, 2011 under the Chairpersonship of Chief Secretary to the Government of Himachal Pradesh giving representation to Administrative Secretaries of the concerned departments and Vice- Chancellors of the Universities in the State.

Presently, the main focus of State Innovation Council is to provide best and efficient service delivery system to the general public by practising innovations in the government sector. And to identify and reward talent involved in innovative activities and practices in various sectors and to help in creating innovation eco-systems.

3. Promoting innovation in the State:

In the previous years, following innovations have been adopted by the various departments of the State:

- 3.1. Plastic Roads:** From 2010-11 onwards, 117.18 KM of plastic roads has been constructed in the State. For this purpose 56.83 MT of plastic waste was utilized.
- 3.2. Way-Side Amenities:** Way side amenities on waste land on the curves of National/ State Highways like provisions of tourist information centres, picnic spots, rain shelters, toilets, parking space, auto-mobile repair shops etc. has been taken up in the State.
- 3.3. Energy Conservation:** State Government has provided four CFL bulbs to each household in replacement of ordinary bulbs. This arrangement has helped in improving environment by way of reduction of gases/pollution and saving electricity worth Rs. 200.00 crore per annum.
- 3.4. Environment Protection:** The use of plastic has been banned in the State. Himachal is the first such State in the country which has done it. The use of coal and fossil fuel for heating purpose has also been banned in the Government offices and other institutions in the State to reduce pollution and improve ecology.
- 3.5. Water Harvesting:** The rain water harvesting tanks have been decided to be built in all the rural households under MGNREGA Programme. It will help meeting water requirements of households to some extent for washing & to provide drinking water to the animals.
- 3.6. Embryo Transfer Technology:** To improve Quality of livestock & Milk production in the State, Embryo Transfer Technology has been adopted in the State. An Embryo Transfer Technology Lab is being established at Palampur District Kangra.
- 3.7. Horticulture improvement:** to increase the productivity in horticulture sector Germ-plasma technique, Organic Farming, Anti Hail Nets, Weather Based Crop Insurance Scheme (WBCIS) has been introduced.
- 3.8. Land Records Modernization:** With a view to usher a system of updated land records, automated and automatic mutation, integration between textual and spatial records, inter-connectivity between revenue and registration to replace the presumptive title system with that of conclusive titling with title guarantee, State of Himachal Pradesh had initially decided to implement the National Land Records Modernization Programme.

3.9. Mapping of Hydro Projects: A web based-GIS Portal is being developed by generating the digital Elevation maps from satellite imageries, indicating entire Hydro Power Scenario in Himachal Pradesh incorporating details of each and every Hydro Project in Himachal Pradesh.

4. State Innovation Fund

As the State Innovation Council was constituted on 7th January, 2011, following actions were taken to promote innovations in the state.

- With a view to promote innovation in the State and to encourage departments to try new initiatives, the State Government has constituted a **State Innovation Fund** with an initial outlay of Rs. 5.00 crore in the State Budget for 2013-14. The notification of constitution of this fund along-with the guidelines for the implementation of projects under this fund has been issued.
- Funds for the following three projects were provided during the financial year 2013-14 from State Innovation Fund.
 1. Manimahesh Yatra Registration Project 2013
 2. Blood Bank Management Information System (BBMIS)
 3. Computerization (automation) of the Department of Information & Public Relation activities

5. Innovation Action Plan (IAP) for the State

State Innovation Action Plan aims to identify a certain number of priority initiatives to be taken during the 12th Five Year Plan period by the State Government. This Innovation Action Plan identifies the following areas of concern at the State level where innovations are required.

5.1 Areas of Concern

- Improvement in Service delivery System
- Environment Protection
- Improvement in accessibility
- Employment Generation
- Transparency
- Local and cost effective technology

Following action will be initiated during the 12th Five year Plan to promote innovations.

5.2 Innovation eco-system at State Level:

To create an Innovation Eco-system for the State of Himachal Pradesh, focus will be on following activities:

- i. Policy Framework:** For practical, operational & managerial convenience, it has been decided to anchor the State Innovation Council and allied activities in the Planning Department itself being multi-sectoral and policy framing department for the State of Himachal Pradesh. Efforts will be made to make innovation, across various sectors, a part of the planning with a view to institutionalise and internalise innovation culture in the planning and budgetary process of the State. Member Departments of State Innovation Council will also constitute Innovation cells in their Department.
- ii. Synergic collaboration:** SInC will be a platform of convergence where all the multi-sectoral and cross-sectoral innovations will be collated and consolidated. The diffused efforts would thus be systematized and converged, and become imbibed in the system. This platform will give the requisite breadth and depth to the concerns for innovation at the State level. To make SInC a quasi-governmental forum, Departments of IT, S&T, Horticulture and Urban Development along-with representatives of academic institutions e.g. National Institute of Technology (NIT), Hamirpur, Engineering Colleges, Medical Institutions, representatives of Industries, IIT Mandi etc. will also be included under the purview of SInC in order to have the competence, calibre & specialization of these premiere institutes.
- iii. Inter-institutional connectivity:** With the Department of Planning as the overarching facilitating Department, State Innovation Council will also consider setting up some sector specific committees in areas where the innovation-driven initiatives are to be taken on priority. The various departments will also constitute departmental Innovation cells to promote and initiate innovative ideas of the department in collaboration with concerned State level sectoral committee. The national/regional level talent of the concerned field will also be associated with the cells for the benefit of the people of the State.
- iv. ICT Connectivity:** IT Department will be declared as Nodal Department for all ICT related initiatives. Efforts will be made to form a separate State Innovation Portal (E-Portal) for the convergence of all the Innovation related activities in the State.

5.3. Encourage young talent, Education Institution, Industries and R&D Institutes.

Youngsters in the Universities, IITs, Colleges, ITIs and Schools etc. will be encouraged to have out of the box thinking for solving the problems. Innovation Centres in the University level and innovation clubs at college level will be introduced to inculcate the habit of innovative thinking amongst the youth of the State. Suggestions would be invited from students of various Universities, Colleges, Schools etc. and best innovative ideas with practical applicability could be given prizes.

Education and Technical Education departments will act as nodal departments for all these activities and will also prepare & implement internship/training programme for students enrolled in various professional courses such as MCA, MBA, etc., to work as trainees in Government departments/organizations. The scheme could be similar to internship scheme of Planning Commission.

On the basis of National Innovation Scholarship Scheme, State will also consider to adopt such scholarship schemes at State level. Departments of Education and S&T will be designated as the nodal Departments of the SInC. Seminars, Lectures, Workshops on innovation will be organised and State Innovation portal to educate the people will also be created.

5.4. Identify and reward best innovation practices:

Any award recognises the organization's innovative initiatives to address the critical issue of concerned sector. Thus, to promote innovation by fostering an innovation culture & establishing an environment conducive to innovation in the State, various sectors / departments of the State Government will be encouraged through incentives/awards to be provided for best innovation practices being adopted at the sectoral level. This has also been one of the main focuses of the innovation agenda at the State level.

For this purpose, **Innovation Committees** at the department level, Innovation Centres at University level and innovation clubs at college level will be introduced to inculcate the habit of innovative thinking amongst various sectors of the State. These committees will also scrutinize the eligible proposals and select the best sectoral proposal which will further be approved by a State level committee comprising of selective representatives of members of State Innovation Council.

5.5. HP Inclusive Innovation Fund:

To promote excellence and creativity in the functioning of Government Departments/Offices and sub-offices so as to improve the service delivery for the benefit of general public, State of Himachal Pradesh has also created State Innovation Fund. This fund has been created with a view to promote innovative

projects specially designed to improve delivery system so as to address the needs of disadvantaged sections of the society and targeted at innovative solutions for them which eventually benefit the whole society.

State Government will also consider constituting a separate HP Inclusive Innovation Fund or restructuring of State Innovation Fund by covering other private organisations at State level which may also provide soft loans to support the projects/schemes having large social impacts instead of commercial impacts.

5.6. Other Proposals

For innovation purpose, efficient systems are those which combine the ability to produce product or render services well in time by optimal use of resources, mechanisms for disseminating it as widely as possible and more importantly the aptitude of organisation concerned to absorb and use it.

At State level, possibility of taking following initiatives will also be explored:

- i. An initiative may be taken in the industrial sector by establishment of Cluster Innovation Centres (CICs).
- ii. Establishment of Special Purpose Vehicles (SPV) especially in PPP mode for promotion of innovative projects.
- iii. Introduction of Information and Communication Technology (ICT) in judicial system.
- iv. A separate web portal at State level for conversions of entire innovation related information on this portal.
- v. Identification of one or more Micro, Small and Medium Enterprise (MSME) clusters for qualitative improvements of the products and socio-economic uplift of artisans and workers.
- vi. Concept of call centres for delineating various health services at rural level along-with training of local youth in medical rural health practices and use of mobile technology for delineating various extension schemes.

6. Summary:

The sectors/fields for fostering an innovation culture at State Level has been identified on the basis of deliberations on priorities, expected impacts or urgency for undertaking such measures in the relevant field. These measures at State Level will be financed from existing or planned budgets of State Government besides funding various innovative projects from State Innovation Fund (SIF) and through any other viable sources. Presently only the innovations in the Governments Departments are covered under the preview of State Innovation Fund, now it will be enlarged by covering the innovations in the private sector also.

The actions plan will further be deliberated and analysed at more decentralised level (at sector/departmental level) & a joint reference framework to identify the priority options & its execution will be formulated.

Draft Innovation Action Plan for 12th Five Year Plan (2012-17)

Year	Action	Process
2012-13	1. Implementing NInC and SInC recommendations	Meetings and interactions were held and the concerned departments were asked to implement innovation proposals.
2013-14	1. Establishment of State Innovation Fund and its execution.	An initial amount of Rs. 5.00 crore was kept and funds provided to Departments for approved proposals.
2014-15	1. State Innovation Fund	Scope to be enlarged by covering Private Sector also.
	2. Constitution of Sector / Department Innovation Committees	Member Deptts. of State Innovation Council will constitute Innovation Committee for their Department.
	3. Constitution of Innovation centres and Innovation Clubs.	Innovation Centres in the University level and innovation clubs at college level will be introduced to inculcate the habit of innovative thinking amongst the youth of the State.
	4. Enlarge the preview of SInC	Other departments and concern agencies to be notified.
	5. Reward and Incentive Scheme	Scheme to be prepared, got approved from the Govt. and best innovations will be rewarded.
	6. State Innovation web portal	Exclusive Innovation Portal to be established with the help of NIC and IT department.
2015-16	1. Establishment of Special Purpose Vehicle (SPV)	If required the SPV will be established by studying other States where it is functioning well.
	2. Establishment of Cluster Innovation Centres (CICs)	The CICs will be established after the multiplications of Innovations.
	3. Introduction of ICT in Judicial system	Improvements will be made the existing ICT in Judicial system.
2016-17	1. Innovation Project funding through PPP mode	Special scheme will be formulated to cover projects under PPP mode.
	2. Monitoring the impact of innovation activities	Impact of innovation activities will be studied.
	3. Innovation Action Plan for 13 th FYP	Draft Innovation Action Plan for 13 th FYP will be prepared.