

**Himachal Pradesh**  
**ECONOMIC SURVEY**  
**2019-20 ( PART –V )**



## CHAPTER – 7

# AGRICULTURE, HORTICULTURE AND ALLIED ACTIVITIES

# FORESTS

**Forests** in Himachal Pradesh cover an area of **37,947 Sq. Km.** and account for **68.16 percent** of total geographical area of the state.

**28.60 percent** is **Forest cover** of the total geographical area of the State.

The aim of the Forest Department is to **enhance the forest cover** in the State to **30 percent** of its geographical area **by 2030** to meet the Sustainable Development Goals (**SDGs**).

# Experimental Silvicultural Felling

**Forest wealth of Himachal Pradesh is estimated at more than `1.50 lakh crore.**

**By the permission of Hon'ble Supreme Court of India the state has been allowed for silvicultural green felling of three species viz. Khair, Chil and Sal on experimental basis in three ranges- Nurpur range of Nurpur Forest Division, Bharari range of Bilaspur Forest Division and Poanta range of Poanta Forest Division**

## Smriti Van Yojana

to create **awareness** amongst the people about **tree planting**. The scheme envisages tree plantation by people in **specialty designated areas** on the **special occasions** of their birthday, marriage anniversary or on death anniversary of their parents/ relatives/ elders.

## Samudayik Van Samvardhan Yojna

to ensure **participation of local communities** in **conservation & development of Forests** through plantation, improving quality of forest and **increasing the forest cover**

## Vidyarthi Van Mitra Yojna

to **sensitize students** about the importance of Forests and their role in environmental conservation, to inculcate in students a **sense of attachment** towards nature conservation, **protection** of forests and **increase forest cover**

## Van Samridhi Jan Samridhi Yojna

to strengthen the Non Timber Forest Produce (NTFP) resource base in the state through active community participation. Empowerment of local communities in collection, conservation and marketing of NTFPs to augment the incomes of rural population.

The scheme will be implemented initially in 7 most biodiversity rich districts namely, Mandi , Chamba, Shimla, Kinnaur, Kullu, Lahaul & Spiti and Sirmour.  
(Mnemonic – MC Shimla; KinKu Lal from Sirmaur)



## Ek Buta Beti k Naam (2019-20)

To sensitize people about the importance of daughters and forest conservation

Upon the birth of a girl-child, the Forest Department would gift Saplings along with “kit” & instructions phamplet to the family. The plants will be planted by the parents of the girl during monsoon or winter season as per suitability of the locality either on their homested land or Govt. land.

## Proofing Project

for **rehabilitation, protection and sustainable use** of the selected **forest eco-systems** to increase and secure the resilience of forest eco-systems **against climate change.**

With the **assistance of Germany** (KfW), Project is being implemented in **Chamba** and **Kangra** districts for the period of **7 years w.e.f. 2015-16.**

The cost of the project is **308.45 crore.**

The **Funding pattern** of the project is **85.10% loan** and **14.90% State share.**

# Himachal Pradesh Forest Eco-systems Management and Livelihood Improvement Project

to **conserve** the forest and mountain eco-system and **improve livelihood** of the forest and pasture dependent communities by **increasing forest cover**, density and productive potential using **scientific** and **modern forest management** practices; enhancing biodiversity and forest ecosystem conservation and to reduce pressure/stress on forest resources by providing the village communities with alternative livelihood opportunity.

Started with the assistance of Japan International Cooperation Agency (J.I.C.A.) for 8 years (2018-19 to 2025-26) amounting to 800 crore .

The project will be implemented in Bilaspur, Kullu, Mandi, Shimla, Kinnaur, Lahaul-Spiti districts and tribal areas of Pangi and Bharmour Sub-divisions of Chamba .

Funding pattern - **80% loan** and **20% State** share.

Project headquarter – Shamshi (Kullu);

Regional office – Rampur (Shimla).

# Integrated Development Project for Source Sustainability and Climate Resilient Rain-fed Agriculture

for comprehensive **treatment** of around **2 lakh hectares non-arable** and **20,000 hectares arable lands**; and enhancement of **water productivity/ efficiency Milk production** and **livelihood improvement** in the project area.

The **cost** of the project is 650 crore and it is being supported by World Bank.

Funding pattern – **80% loan** and **20% State** share.

The project period is 7 years.

It would be implemented in 900 Gram Panchayats in **Shiwalik** and **Mid Hills agro-climatic zones** spread across various watershed in the State.



CHAPTER – 8

**WATER RESOURCE**  
**MANAGEMENT AND**  
**ENVIRONMENT**

Out of the total geographical area of 55.67 lakh hectares only 5.83 lakh hectare is the net area sown.

It is estimated that ultimate irrigation potential of the State is approximately 3.35 lakh hectare, out of this 0.50 lakh hectare can be brought out under irrigation through major and medium irrigation projects and balance 2.85 lakh hectare of area can be provided irrigation through minor irrigation schemes.

2.80 lakh hectare land has been brought out under the irrigation facility up to December, 2019.



# IRRIGATION PROJECTS

The **only major irrigation project** in the State is **Shahnehar** Project in **Kangra** District . The project has been completed and irrigation facility to 15,287 hectare land is being provided.

Medium Irrigation Projects –

**Changer** (Bilaspur) and **Balh Valley** (Mandi) - completed  
**Sidhatha** (Kangra) – work in progress

At present work of Medium Irrigation Project **Phinna Singh** and **Nadaun** area in District Hamirpur is in progress.

There is a **target** of **1000 hectare** area for the year **2019-20** under major and medium irrigation against which **850 hectare** achievement reported **upto December, 2019**

## FLOOD CONTROL WORKS

**Channelisation of Swan River and Chaunch Khad  
is in progress.**



**ENVIRONMENT, SCIENCE**  
**AND TECHNOLOGY**

**A State Knowledge Cell on Climate Change has been set up at Shimla in the Department of Environment, Science and Technology, Himachal Pradesh with the assistance of Department of Environment, Science and Technology, Government of India under National Mission for Sustaining Himalayan Ecosystems(NMSHE) . Total budget sanctioned for setting up and functioning of the Knowledge Cell is `2.73 crore**

**Climate Change vulnerability assessment is being undertaken for Beas River Basin covering four districts viz. Kullu, Mandi, Hamirpur and Kangra covering more than 1200 Panchayats.**

# Environmentally Sound Sustainable Community Development Programme - Creation of Model Eco -Villages

Environmentally **sustainable** and ecologically oriented eco villages shall be focused towards the perspective of developing **low impact lifestyles** as to reduce the “ecological footprint” by as much as 50 percent of the base assessment from launch of the scheme. It will be based on the **values** of "care of the earth and of people". **50 lakh** each to be utilized over a period of **5 years** by the identified **11 villages** for adoption of Model Eco Village Scheme.

# Plastic Waste Management

various awareness campaigns: “Polythene Hatao, Paryavaran Bachao”, “Swachhata Hi-Sewa” about ill effects of polythene.

a new buy-back Policy for non-recyclable plastic waste, waste collected during this campaign was scientifically disposed off in road construction and used as RDF/Fuel by cement industries.

Use of one time use thermocol and plastic cutlery has been fully banned in the state.

# Implementation of project Sanctioned under National Adaptation Fund Climate Change (NAFCC)

being implemented in drought prone areas of three development blocks of district Sirmaur with the financial outlay of ` 20.00 crore.

One project proposal of `20.49 crore on “Reducing Glacial Outburst and Flood Risk in Parvati Vally of Kullu district, Himachal Pradesh” has been approved by the Ministry of Environment, Forest & Climate Change, Government of India.



## Bio-methanation plant

being set up at Kufri, Shimla.

**Horse dung/ biodegradable waste** from hotels and residential areas would be used to generate **biogas/bio CNG**.

The total **budgetary** provision for this plant is `1.40 crore .

## Other Initiatives to protect the environment

- ❑ “Horn not Ok” campaign has been launched in two towns Shimla and Manali
- ❑ In order to facilitate the common public to file complaints w.r.t. noise pollution in the state, a **mobile app** “Shor Nahi” has been developed

## Conservation of Bio-resources

Under the scheme conservation of Bio-resources, plants of Valeriana, Kuth and Damsuk Rose were distributed to two registered societies of farmers from Mandi and Shimla.

## CHAPTER – 10

# INDUSTRIES AND MINING

As on **November, 2019**

total working Industrial units – **54,310**

Out of these ; **140** - Large Scale Units

**628** - Medium Scale Units

The Ministry of Commerce and Industry (DIPP), Government of India has accorded final approval for setting up of **two State of Art Industrial Area at Pandoga (Una) and Kandrori (Kangra), Chanor (Kangra) under **Modified Industrial Infrastructure Upgradation Scheme (MIUS)**.**

## Sericulture Industry

**14 silk yarn reeling units** have been set up in private sector

Kangra - 5

Bilaspur - 5

Hamirpur - 1

Mandi - 1

Una - 1

Sirmaur - 1

## Six Cement Plants

ACC - Barmana, Bilaspur (**two** units),

Ambuja – Kashlog, Solan (**two** units),

Ultratech - Baga Bhalag, Solan (**one** unit)

CCI – Rajban, Sirmaur (**one** unit)

Himachal has been ranked as **number ONE State** among  
“Fast Moving States”.

## CHAPTER – 10

# LABOUR AND EMPLOYMENT



As per **2011 Census**, out of the **total population**  
**30.05** percent - main workers;  
**21.80** percent - marginal workers;  
**48.15** percent - non-workers

Out of the total workers (main + marginal)  
**57.93** percent - cultivators and  
**4.92** percent - agricultural labourers,  
**1.65** percent - household industry and  
**35.50** percent - other activities

## Minimum wages

The State Government has **enhanced** the minimum wages for unskilled category of workers from **`225 to `250 per day w.e.f. 01.04.2019**

## **Skill Development Allowance Scheme**

to the **eligible un-employed youth** of the State for their **Skill Up gradation** and increasing their employability. This allowance is payable @ **₹ 1,000 per month** and for **50 percent or more permanent physically challenged** @ **₹ 1,500 per month** for duration of **skill Development Training**, subject to maximum period of **two years**.

## Unemployment Allowance Scheme

to the **eligible un-employed youth** of the State to enable them to sustain themselves for a certain period . This allowance is payable @ ₹ 1,000 per month and for **50 percent or more permanent physically challenged** @ ₹ 1,500 per month for a maximum period of two years.

## Himachal Pradesh Kaushal Vikas Nigam (HPKVN)

HPKVN was established with a mission “To bolster the employable skills and livelihood potential of the state’s young generation (15-35 years) and equip them for continuous growth and learning in a changing job and entrepreneurial environment in India and the World”.

# Himachal Pradesh Kaushal Vikas Nigam (HPKVN)

**HPKVN is primary implementing agency of the Himachal Pradesh Skills Development Project**

**State implementation partner of the Pradhan Mantri Kaushal Vikas Yojana**

**HPKVN's immediate goal is to train over a lakh young men and women in the period 2018-22.**

# PROGRAMMES OF HPKVN

## 1. Setting up of Center of Excellence

**Center of Excellence (CoE) is being setup at Wagnaghat, Solan with an estimated cost of ` 68.00 crore under ADB assisted Himachal Pradesh Skill Development Project.**

**This institution will provide high quality training in Hospitality and Tourism sector.**

# PROGRAMMES OF HPKVN



2. Training Programme under English,  
Employability and Entrepreneurship Skills

3. Up-gradation of Tools & Equipments in 50 ITI's,  
Women Polytechnic Rehan and Government  
Engineering Colleges

4. Short Term Training Programmes through  
Government ITIs



## 5. Livelihood based Skill training of Persons with Disability

HPKVN has launched '**Nav Dharaana**'- a **livelihood based training programme** for persons with disabilities for nurturing **employment and entrepreneurship skills** amongst the differently abled persons.

## CHAPTER – 11

# POWER

State of Himachal Pradesh has an **estimated Hydro Potential of 27,436 MW** out of which **24,000 MW** has been assessed as **harnessable** while the Government of Himachal Pradesh has decided **to forgo balance potential** in lieu of safe-guarding the **environment** and to maintain ecological as well as protect various social concerns. A potential of about **10,596.27 MW** has **already** been **harnessed** so far under various sectors.

## Power harnessed under Various sectors

<b>SECTOR</b>	<b>CAPACITY (MW)</b>
HPSEBL	487.55
HPPCL	165.00
CENTRAL/JOINT	7,457.73
HIMURJA (STATE)	2.37
HIMURJA (PRIVATE)	313.95
PRIVATE above 5 MW	2,010.50
HP SHARE	159.17
<b>Total</b>	<b>10,596.27</b>

## Revenue Received from Free and Equity Power

The Budget estimate for FY 2019-2020 was `890.00 crore of which amount realized in Government of Himachal treasury up to **31st December 2019** was **`850.00 crore** and **additional ` 45.00 crore** is receivable **till March 2020**.

## Policy Amendments: -

The Government of Himachal Pradesh on dated **19/09/2019** has notified following amendments in the existing hydroelectric policy.

1. **Penalty** has been decided by Government of Himachal from **minimum ` 20,000/MW to ` 20.00 lakh** in case of any **equity change, change of the name of the company without prior approval** of the government.

**2. In respect of Sunni Dam Project, Luhri Stage-I HEP (210 MW) and Dhaulasidh HEP (66 MW), debt equity ratio has been allowed to 80:20.**

**3. For Luhri Stage-I, Dhaulasidh and Dugar provision of reimbursement of 50 per cent SGST has been allowed. Certain concessions in free power royalty slabs have been allowed.**

# Commissioning of Hydro Projects

**Three projects** have been **commissioned** in the state namely

**Jeori (9.60 MW),**

**Raura (12 mw) and**

**Rala (13 MW)**

**Two projects** expected to be commissioned by March, 2020

**Salum - 9 MW and**

**Kuwarsi-II -15 MW). W)**



<b>Centrally Sponsored and Departmental Schemes</b>	
<b>Schemes</b>	<b>Status</b>
<b>Deen Dayal Upadhyaya Gram Jyoti Yojna (DDUGJY)</b>	The work of three districts is completed and remaining is likely to be completed by March 2020.
<b>Integrated Power Development Scheme (IPDS)</b>	Overall 73 per cent progress of IPDS system strengthening scheme has been achieved.
<b>Computerized Electricity Billing</b>	More than 22, 00,000 consumers of HPSEBL are benefiting.
<b>Enterprise Resource Planning (ERP) Project</b>	Payroll of 10,000 employees, Pensions of 7000 & GPF of 13500 employees is being processed through SAP ERP System.

<b>Centrally Sponsored and Departmental Schemes</b>	
<b>Schemes</b>	<b>Status</b>
<b>IPDS (Integrated Power Development Scheme) IT Phase-II</b>	GPS based GIS survey of assets, Asset Mapping and Consumer Indexing of HPSEBL within the Geographical Boundary of 40 towns covered under IPDS IT Phase-II.
<b>Smart Metering solution in Shimla and Dharamshala town</b>	M/s PFCCL will act as a Project Development and Management agency during the implementation.
<b>GPS/GIS Mapping and Consumer Indexing</b>	The existing GIS software is integrated with Billing software and AT&C losses of about 220 feeders in 14 Towns are being worked out every month.

<b>Centrally Sponsored and Departmental Schemes</b>	
<b>Schemes</b>	<b>Status</b>
<b>Real Time Data Acquisition System (RT- DAS)</b>	The IPDS Monitoring Committee has approved Rs. 3.99 Crore for accurate and real time measurement of reliability of Power Distribution of 54 towns in state

# Project under Execution by HPSEB Ltd.

Projects	Capacity (MW)	Status
Uhl Stage-3	100	Likely to be commissioned by March, 2020.
Sai Kothi 1 & 2	15 & 16.5	FCA case is under examination at Dehradun.
Devi Kothi	16	FCA case is under examination at Dehradun.
Hail	18	FCA case has been submitted to DFO Salooni for further action.

# Project under Execution by HPSEB Ltd.

Projects	Capacity (MW)	Status
Rasion	18	The DPR of the project has been submitted.
New Nogli	11	The DPR of the project has been submitted.
Tikkar	5	DPR has submitted to Himurja.
Kuthar	5	DPR has submitted to Himurja.

# HPPCL Projects under Operation/ Execution

<b>Projects</b>	<b>Capacity (MW)</b>
Kashang Stage – IV (Kinnaur)	48
Chirgaun Majhgaon (Shimla)	60
Triveni Mahadev (Mandi)	78
Gyspa Dam (L & S)	300
Bara Khamba (Kinnaur)	45
Integrated Kashang	243

# HPPCL Projects under Operation/



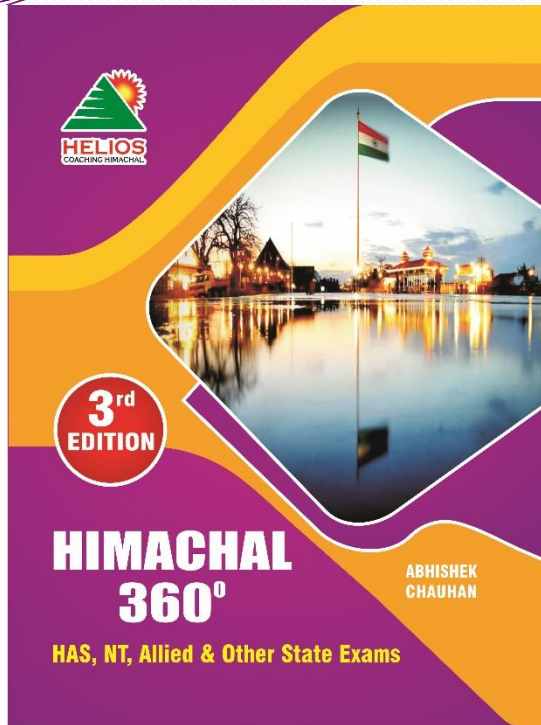
## Execution

Projects	Capacity (MW)
Sainj	100
Sawra Kuddu	111
Shongtong Karcham	450
Chanju and Deothal Chanju	78
Renuka ji	40
Surgani Sundla	48
Dhamwari Sunda	70
Thana Plaun	191
Nakthan	460

# Solar Projects

<b>Projects</b>	<b>Capacity (MW)</b>
Berra Dol (Bilaspur)	5
Aghlor (Una)	10





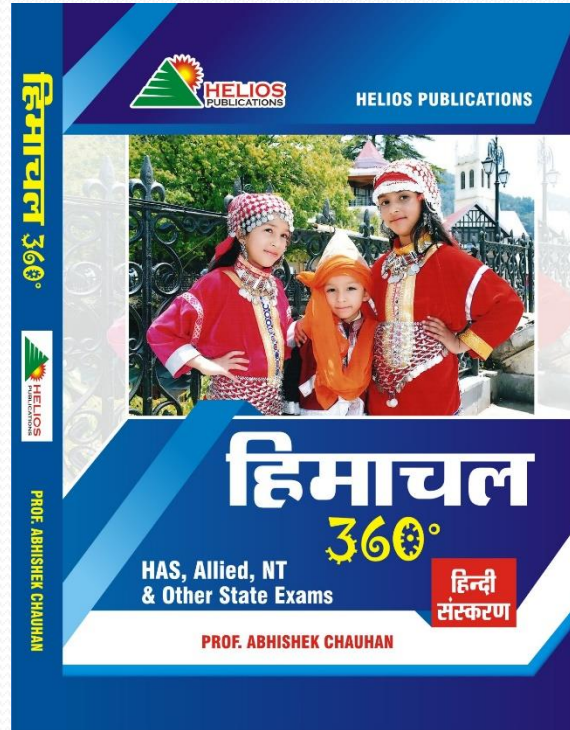
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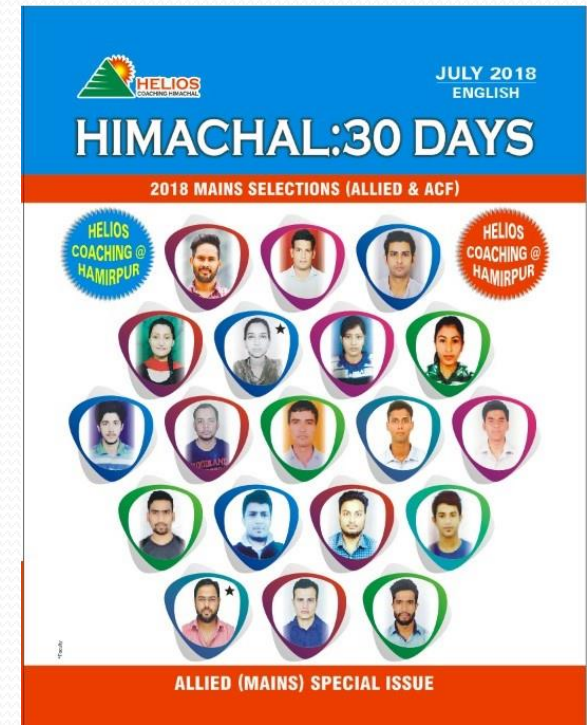
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ALLIED (MAINS) SPECIAL ISSUE

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