

Right to Information Act

Public Information Officer (PIO):

Dr. K.S. Kapoor

Introduction:

Increasing population pressure and the increasing associated needs have put the forests under high stress. The habitats for various species are not only being degraded but are also being fragmented and lost. Over exploitation of forests resources coupled with other biotic pressures on the forests generally result in failure of natural regeneration of various species. Failure of satisfactory natural regeneration of Silver Fir and Spruce forests in western Himalayas - the species extensively used in the past for making packing cases for horticulture crops - has been a cause of great concern to both the foresters and the users alike.

Himalayan Forest Research Institute (HFRI), Shimla, Himachal Pradesh was established as **High Level Conifer Regeneration Research Centre** during May, 1977 for carrying out Research on problem associated with natural regeneration of Silver Fir and Spruce. The institute made its humble beginning by starting functioning from a single room in "Kennedy House" and later with the increased research activities of this centre, an independent building "Press Villa" near U.S. Club was allotted to it during 1978.

At the time of reorganization forestry research in ICFRE during 1998 Govt. of India appreciated the problems of Temperate Eco-system and decided to develop this centre in to a full-fledged research institute. The mandate of this centre had also been enlarged to cater to forestry research, needs pertaining to eco-rehabilitation of Cold Deserts of mined areas and regeneration of Coniferous and broad-leaved forests, besides activities on management practices including insect-pests management in temperate forests and in alpine areas too. Popularization of agroforestry and other related extension activities has also included in its mandate. **This centre has now been re-designated as Himalayan Forest Research Institute, Shimla w.e.f. 8th September, 1998** and is a regional research institute of ICFRE with an area of



responsibilities extending to the states of Himachal Pradesh and Jammu & Kashmir. This institute has been shifted to its new campus at Panthaghati, Shimla during July, 2000.

Information Pertaining to Research:

Organization:

This institute is presently headed by a Director and to carry out research – the main mandate of the institute - on various activities mainly pertaining to forestry research, he is assisted by a team of Scientists (10), Deputy Conservator of Forests (3), Research Officers (2), Forest Range Officer (2), Research Assistants (6) and Technical Assistants (3) having specializations in Ecology, Biodiversity Conservation, Silviculture, Genetics, Non-wood Forest Products, Entomology, Pathology and Agro-forestry. For the sake of convenience and to take up research on specified lines, the institute at present has the following research divisions.

Research Divisions:

- Silviculture and Tree Improvement Division
- Ecology & Biodiversity Conservation Division
- Forest Protection Division
- Agroforestry & Extension Division
- Non-wood Forest Products Division
- Participatory Forest Management Division

Research Coordination Division working directly under the Director of the Institute coordinates the research activities of these research divisions. The Institute is fully computerized.

To carry out site-specific research as per the mandate of the Institute in specific agro-climatic zonations, the institute has established the following Field Research Stations in different zones those are being controlled by the concerned research divisions from the Headquarters at Shimla, of course, with some field staff at these stations.

- Research Station, Tabo, District Lahaul-Spiti
- Research Station, Bruhandhar, District Kullu
- Research Station, Shillaru, District Shimla
- Model Research Nursery, Baragaon, District Shimla
- Research Station, Shilly, District Solan
- Research & Demonstration Station, Nalagarh, District Solan
- Research Station, Johoron, Paonta Sahib, District Sirmour

Special Center / Significance:

The Institute has been declared as the **Advanced Centre for Cold Desert Afforestation & Pasture Management** by ICFRE for taking up advanced research in eco-restoration of these harsh sites. Research Station located at Tabo (Lahaul-Spiti) caters to the specific research needs of the Cold Deserts.

Institute's Programmes:

To achieve the above objectives and to tackle the problems highlighted by the State Forest Departments and other end users, following programmes form a part of our research agenda/ operations:

Programme-1: Eco-restoration/ afforestation of degraded/ stress sites.

Programme-2: Biodiversity assessment, monitoring, conservation and utilization.

Programme-3: Afforestation/ rehabilitation of cold deserts and pasture management.

Programme-4: Regeneration of coniferous and broadleaved forests.

Programme-5: Planting stock improvement of important coniferous and broadleaved species of Western Himalayas.

Programme-6: Insect-pest and disease management in seed, nurseries, plantations and natural forests with respect to selected species.

Programme-7: Conservation and management of Non Wood Forest Products.

Programme-8: Agro-forestry and silvi-pasture in lower hills.

Some Research Achievements made in the Past:

- Research studies on some aspects pertaining to natural regeneration and artificial regeneration of Spruce & Silver fir have been conducted. In the field of natural regeneration, seed dispersal, germination, survival and establishment of Spruce and Silver fir seedlings under natural conditions have also been studied. On artificial regeneration front, nursery technology of Spruce & Silver fir relating to soil composition, seed depth, seedling size for transplanting (pricking out) optimum time of transplanting, optimum root length at the time of transplanting and seedling spacing in transplant beds have been covered.
- Nursery technology of *Populus ciliata* and associate hardwoods have been developed and standardized.
- Studies related to causes of seed dormancy in Birdcherry, *Taxus baccata*, Juniper and *Rosa webbiana* were carried out and techniques to break this dormancy developed. Time of seed collection and sowing methods for high level conifers and their broadleaved associates worked out.

- Survey of forest areas in H.P. and J&K including that of existing Seed Stands was carried out and Seed Production Areas of Chir-pine established.
- Survey of different forest areas in H.P. and J&K carried out to select CPTs of Chir Pine and seed collected from these was utilised for establishment of Seedling Seed Orchard. Clonal material from identified CPTs of Shisham from the states of U. P., H.P., J&K and Punjab were collected for establishment of clonal seed orchard and multiplication garden.
- Survey of indigenous poplars including *P. ciliata*, *P. alba* and *P. euphratica* as to their distribution and extent was undertaken in the region and report prepared.
- Life history of Poplar shoot borer (*Eucosma glaciata*) worked out and control measures standardised. Damage evaluation of beetles on different clones of *Populus deltoides* and provenances of *P. ciliata* done.
- Erodibility status of forest soils under different forest ecosystems in H.P. was assessed and infiltration studies carried out.
- Vegetation survey and ecological studies in Silver Fir and Spruce forests of H.P. carried out.
- Autecological studies on various species including ***Ailanthus glandulosa***, ***Capparis spinosa***, ***Cotoneaster microphylla***, ***Rosa webbiana***, ***Hippophae rhamnoides*** carried out.
- Ecological survey of selected mined areas in Paonta Valley of H.P. carried out and socio-economic status assessed in the adjoining villages and models for rehabilitation of these stress sites developed.
- In close collaboration with the State Forest Department of Himachal Pradesh, this Institute has succeeded in identifying the insect-pest attack and disease in Deodar, Chir-pine & Shisham. Complete reports along with remedial measures submitted to the State Forest Department of Himachal Pradesh and Jammu & Kashmir.
- Important indigenous multipurpose species from agroforestry point of view like Beul (*Grewia optiva*), *Ulmus laevigata*, Kachnar (*Bauhinia variegata*) and fast growing exotics including *Populus deltoides* (mainly clones G3 & G48) were propagated in nurseries and distributed to the farmers in the selected villages in Paonta Valley and Balh Valley for planting as per the designated agroforestry model.
- Floristic survey of Himachal Pradesh and Jammu & Kashmir in general and cold desert areas of these states in particular, carried out to identify indigenous species and species groups for taking up planting trials with these species in the cold desert areas. At present, the herbarium of the Institute has about 8000 floral

specimens from these states and out of them about 500 species of 80 families belongs to the cold desert areas.

- Survey of Juniper bearing areas in Himachal Pradesh carried out to assess its conservation status and further devising strategies for eco-restoration of the cold deserts.
- Five dominant species for carrying out eco-restoration works in the cold deserts identified and their nursery technologies are being developed. Besides it, techniques for some indigenous species suitable for cold desert areas including *Quercus ilex*, *Hippophae rhamnoides* and *Fraxinus xanthoxyloides* have been standardised.

Besides the achievements as given above, the detail activity of the each of the division can be seen in the relevant pages.

Recently Concluded Research Projects:

1. Comparative studies on the ecology of degraded forests viz.-a-viz. relatively undisturbed forests in different eco-climatic zones of the region.
[HFRI-010/ 01(EBC-04)/ PLAN/2000-2005].
2. Assessment of conservation status of Hill Bamboos (Nirgals), collection of germplasm from various eco-climatic zones in Sutlej catchment area and establishment of germplasm Bank.
[HFRI-011/02(EBC-05)/PLAN/2000-2005]
3. Comparative studies on the floristic composition of two diversely located alpine pastures.
[HFRI-023/ 03(EBC-09)/ PLAN/2003-2005]
4. Standardization of methodology for collection of seed, its handling, storage, testing and certification of seeds of important tree species.
[HFRI-012/05(SFG-04)/PLAN/2000-2005].
5. Developing efficient methods for preparation of compost from different locally available raw materials in different eco-climatic zones.
[HFRI-015/ 05(SFG-05)/PLAN/2000-2005]
6. Studies to evaluate impact of ban on green felling on regeneration of conifer species (Deodar).
[HFRI-20/05 (SFG-07) PLAN 2002-2005].
7. Planting stock improvement: improved technology for mass production of quality planting stock of *Dalbergia sissoo*.
(HFRI-21/05(SFG-08)/ PLAN/2002-2005)

8. Development of Model Integrated Pest Management with Special Reference to *Cedrus Deodara*.
(HFRI-017/06(FPT-03)/ PLAN/2000-2006)
9. Screening and Selection of Insect Pest Resistance, Phenotypes/ Genotypes of Important Tree Species.
(HFRI-013//06(FPT-02)/ PLAN/2000-2006)
10. Development of Suitable Models for Afforestation of Mined Areas.
(HFRI-018/01(EBC-07)/ PLAN/2002-2006)
11. Studies on Plant Diversity of Renuka and Simbalwara Wildlife Sanctuaries of Himachal Pradesh.
(HFRI-024/02(EBC-10)/ PLAN/2003-2006)

Ongoing Research Projects of the Institute (Under PLAN):

1. Introduction and performance trial of *Paulownia* species for agroforestry in different agro-climatic zones of Himachal Pradesh.
2. Diagnostic survey and appraisal of existing agro-forestry systems in mid and high hills of Himachal Pradesh.
3. Evaluation of soil fertility status and nutrient return from the important indigenous agro-forestry systems in Himachal Pradesh.
4. Standardization of nursery techniques of five dominant indigenous species (*Capparis spinosa*, *Collutea* spp., *Caragana* spp., *Ribes* spp., *Cratagus* spp.) besides *Elaeagnus angustifolia*, *Hippophae rhamnoides* & *Rosa webbiana* of Cold Deserts.
5. Studies on plant diversity in cold deserts of district Kinnaur, Himachal Pradesh.
6. Ecological assessment and floristics of Hemis High Altitude National Park, Ladakh, Jammu and Kashmir.
7. Natural enemy complex of key & potential pests of five *Quercus* spp. of Himachal Pradesh.
8. Survey, biology and control of insect pest of important medicinal plant of Himachal Pradesh and Jammu & Kashmir.
9. Management of insect borers complex in Chir-Pine Forest.
10. Standardization of nursery technology for mass propagation of selected medicinal plant species.

11. Standardization of nursery techniques of raising containerized seedlings of conifers and their broadleaved associates.
12. Planting stock improvement programme in *Cedrus deodara*.
13. Allozyme variation in natural populations of Deodar (*Cedrus deodara*).
14. Standardization of methodology for seed collection, seed handling, storage and breaking seed dormancy in *Juniperus polycarpus* C.Koch and *Fraxinus xanthoxyloides* (Wall. ex G.Don) DC.
15. Diagnostic study of Indigenous and Institutionalized Participatory Forest Management in Himachal Pradesh.

Externally Aided Ongoing Research Projects of the Institute:

1. Development of suitable model for intercropping of commercially important medicinal plants with horticultural plantations in temperate region of Himachal Pradesh.
2. Promotion of Medicinal Plants Cultivation among Rural Communities for sustainable Income Generation.
3. Ecological and management studies in certain dry temperate and alpine pastures of Lahaul & Spiti, Himachal Pradesh.
4. Ecological assessment of forest areas falling under Kol Dam Hydroelectric Project in Bilaspur district of Himachal Pradesh.
5. Development of ecologically viable and socio-economically acceptable integrated model for arresting Willow (*Salix* sp.) mortality in Lahaul Valley of Himachal Pradesh.
6. Studies on plant diversity in Rakchham – Chitkul Wildlife Sanctuary of district Kinnaur, Himachal Pradesh.
7. Inventorization, documentation of plant diversity and to evolve site-specific management strategies for conservation of various sacred grooves in Kullu Valley of Himachal Pradesh.
8. Studies on population status and Berberine content in different provenances of *Berberis aristata* in Himachal Pradesh and standardization of its propagation techniques.

9. Quality planting material of *Picrorhiza kurooa* Royle ex Benth & *Valeriana jatamansi* Jones and extension of their cultivation Technology to Local Communities.
10. Suitability of *Jatropha curcas* L. seed Sources in Lower and Mid Himalayan Regions of Himachal Pradesh.
11. Development of elite planting material, establishment of model plantations and extension of nursery & plantation techniques of Wild Apricot to local communities in Himachal Pradesh.
12. Setting up 100 ha. Demonstration Plots in Himachal Pradesh and Production of Elite Planting Material of *Dendrocalamus hamiltonii*.
13. Production of Quality Planting Material of *Aconitum heterophyllum* Wall. Ex Royle and *Angelica glauca* Edgew and Extension of their Cultivation Technology to Local Communities.

Proposed Research Activities of the Institute:

A]. Division of Agro-forestry & Extension Division:

1. Identification of fast growing spp. of agroforestry in Western-Himalayas.
2. Standardization of nursery techniques of important agroforestry species.
3. Transfer of technology from lab to land through training, demonstration and awareness programmes.
4. Promotion of intercropping of medicinal plants in different agro-climatic zones of Himachal Pradesh.

B]. Ecology and Biodiversity Conservation Division:

1. Ecological and Management Studies in Protected Areas (PAS) of Himachal Pradesh and Jammu & Kashmir.
2. Nursery and Planting Techniques of Cold Deserts Species.
3. Ecological and Management Studies in Temperate and Alpine Pastures.
4. Eco-rehabilitation Studies in Degraded and Other Areas.

C]. Forest Protection Division:

1. Development of Integrated Pest Management Model on Potential Insect Pest of Nurseries in Himachal Pradesh.
2. Studies on Changing Scenario of Insect Fauna in Temperate Forests of North-Western Himalaya.

3. Studies on Damping off Disease in Nurseries and developing its Control Measures.
4. Biodiversity of Phytophagous insects and invasive species in temperate forests of Himachal Pradesh.

D]. Participatory Forest Management:

1. Assessment of Different Developmental Forestry Projects of the States of H.P. and J & K.

E]. Non-wood Forest Products:

1. Inventorization, documentation of plant Diversity and to evolve site-specific management strategies for conservation of various sacred groves in Mandi, Chamba & Kangra Districts of Himachal Pradesh.
2. Assessment of Marketing requirements for important medicinal plants of Himachal Pradesh & strategies to mitigate the marketing hurdles & to facilitate the sustainable production.

F]. Silviculture & Tree Improvement Division:

1. Determination of seedling quality parameters of important conifers of Western Himalayas.
2. Impact of global warming on upward shifting of conifers in Western Himalayas.
3. Genetic analysis of isozyme variations in *Pinus gerardiana* populations.
4. Genetic diversity and differentiation studies in *Abies pindrow* and *Abies spectabilis*.
5. Standardization of nursery and propagation techniques in *Betula utilis*.

Recent Publications:

A. Research Papers (Published)

1. Verma, R.K.; K.S. Kapoor and R.S. Rawat (2004). Performance of Different Tree species under limestone Mine Spoil, Forest Soil and Farm Yard Manure based Potting Media in the Nursery. *Annals of Forestry*, 12(2): 195 - 200.
2. Kapoor, K.S.; R.K. Verma, Vaneet Jishtu and R.S. Rawat (2005). Performance of Different Tree Species in Limestone Mine Spoil. *Annals of Forestry*, Vol. 13(1): 79 - 83.
3. Sharma, Sandeep; Surinder Kumar; K.S. Thakur and P.S. Negi (2005). Study on effect of pre-sowing treatments on germination of *Ribes orientale* Desf. Seeds. *Indian Forester*, Vol. 131(5): 667 - 672.

4. Kapoor, K.S.; S.P. Subramani & R.S. Rawat (2005). Some Lesser Known Tree Species (LKTS) of Himachal Pradesh - Distribution and Status. *Environment & Ecology*, Vol. 23(2): 288 - 296.
5. Verma, R.K.; K.S. Kapoor, R.S. Rawat, S.P. Subramani & Surinder Kumar (2005). Analysis of Plant Diversity in Degraded and Plantation Forests in Kunihar Forest Division of Himachal Pradesh. *Indian Journal of Forestry*, Vol. 28(1): 11 - 16.
6. Sharma, Rajesh and R.R. Bhalaik (2005). Genetic analysis of Cone and Seed Characters among Seed Sources of Deodar (*Cedrus deodara* Rox. D.Don) *Indian Journal of Forestry*, Vol. 28(1):17 - 21.
7. Sharma, S.; Surinder .Kumar, and K.S. Thakur (2005). Effect of Hedging Height on Production of Shoots and Shoot Cuttings in Selected Clones of *Dalbergia sisoo* Rob. Short Rotation for Industrial & Rural Development Edited by K.S.Verma, D.K. Khurana and Lars Christersson, ISTS, Solan, India; 127 - 130 pp.
8. Narendran, T.C.; P.Grish; K.Sudhir; P.M. Sureshan and S. Chakrabarti (2005). Three new species of *Torymus dalmen* (Hymenoptra: Torymidae) from Himachal Pradesh alongwith a key to species of Indian sub-continent. *Entomon.* 30(2):111 - 121.
9. Sharma, R.; Surinder Kumar and K.S. Thakur (2006). Genetic Improvement of Chir-Pine (*Pinus roxburghii*) in India – A Review. *The Indian Forester*, 132(3): 324 - 328.
10. Sharma, S. and K.S. Thakur (2005). *Jatropha, Bhavishye Ka Biodiesel Podha*, Van Sandesh, A publication of Himachal Pradesh Forest Department, Vol.-II, pp 16 - 21

B. Research Papers Presented in / Accepted for Workshops:

1. Sharma, Sandeep; P.S. Negi, K.S. Thakur and Surinder Kumar (2006). Trial on Production of Deodar (*Cedrus deodara* Roxb. Ex D. Don G. Don) Planting Stock in Root Trainers.
2. Singh, Ranjeet; Ashok Kumar and V.P. Pandey (2006). Forest Productivity – Decline Due to Emergence of Entomological Problems in North-Western Himalayas.
Papers at Sr. No. 1 & 2 were accepted for XII Silvicultural Conference held at FRI, Dehradun from 1st to 3rd February, 2006.
3. Sharma, Sandeep; P.S. Negi, and K.S. Thakur (2006). Vegetative Propagation of *Picrorhiza kurrooa* Royle ex Benth. and *Valeriana*

jatamansi Jones through Macro-proliferation Techniques for Large Scale Nursery Production.

4. Verma, R.K.; S.P. Subramani, K.S. Kapoor and Surinder Kumar (2006). Medicinal Plant Wealth in Alpine Area of Shikari Devi Wild Life Sanctuary, Himachal Pradesh.
5. Singh, Jagdish; Surinder Kumar; K.D. Sharma; Silbhadra Brahma and Sandeep Sharma (2006). Effect of Spacing on Pre-harvest Agronomic Growth Characteristic of *Valeriana Jatamansi* Jones and *Picrorhiza kurrooa* Royle ex Benth as Inter-cropping with apple orchard.
Research papers at Sr. No. 3, 4 & 5 were presented during National Workshop on Conservation and Cultivation of Medicinal Plants organized by State Forest Department and State Medicinal Plant Board of Haryana at Forest Complex, Pinjore on 15th – 16th February, 2006
6. Singh, Ranjeet and T.D. Verma (2006). Pestilence Behaviour of *Ectropis deodara* Prout (Lepidoptera: Geometridae) in North-Western Himalayas.
Paper presented during National Congress on Entomology as organized by Punjabi University, Patiala from 15th to 17th March, 2006.
7. Kapoor, K.S. (2006). Potential Trees, Shrubs and Their Management for Re-vegetation of Wastelands.
Paper presented during National Seminar on Wasteland Development in Shiwaliks with Particular Reference to Himachal Pradesh jointly organized by UHF, Solan and State Land Use Board, Shimla from 22 – 23 March, 2006.

C. Research Papers (Communicated):

1. Kumar, Ashok; Surinder Kumar; Ranjeet Singh and Shailender Kumar (2005). Ganoderma root rot incidence in an afforested stand of Khair (*Acacia catechu* Wild) in Lower Shiwaliks in Himachal Pradesh. *The Indian Forester*.
2. Sharma, Rajesh; D.K. Khurana and Gunar Schite (2006). Allozyme Variation in Populations of *Pinus Roxburghii* Sargent in Western Himalayas.
3. Verma, R.K. Vaneet Jishtu and K.S. Kapoor (2006). Status of Plant Diversity in Labrang Valley of Cold Desert in District Kinnaur, H.P.
4. Singh, Ranjeet; Surinder Kumar; S. Chakrabarti and Ashok Kumar (2005). Resurgence of Indian Gypsy Moth, *Lymantria obfusate* Walker (Lepidoptera ; Lymantridae) on Ban oak forest of Rajgarh Forest Division, Himachal Pradesh. *Indian Journal Forestry*.

5. Kumar, Ashok and Shailandra Kumar (2005). New record of a Polyporale from Himachal Pradesh. *The Indian Forester*.
6. Kumar, Ashok; Shailandra Kumar; Ranjeet Singh and Surinder Kumar (2005). Pit Canker – a new Disease of Siris (*Albizia procera*) from Himachal Pradesh. *Indian Phytopathology*.
7. Kumar, Ashok; Surinder Kumar; Ranjeet Singh and Shailandra Kumar (2005). Ganoderma Root rot incidence in an afforested stand of Khair (*Acacia catechu* Willd.) in lower Siwaliks of Himachal Pradesh. *The Indian Forester*.

D. Brochures/ Technical Bulletins/ Booklets

1. Sharma, Sandeep; K.S. Thakur and Naina Joshi (2005). Jatropha: Bhavisya Ka Bio-diesel Paudha.
2. Thakur, K.S.; P.S. Negi and Sandeep Sharma (2005). Chuli: Paudhshala Avam Variksha Ropan Taknik.
3. Meena Bakshi, Surinder Kumar, Rajesh Sharma and K.S. Thakur (2006). Mass Vegetation Propagation of *Dalbergia sissoo* (Roxb).

E. Edited Chapters published in the Books:

1. Kapoor, K.S.; S.P. Subramani and Vaneet Jishtu (2005). Medicinal Plant Wealth in High Altitudes including Cold Deserts of Western Himalayas: Their Taxonomy and Distribution. *Advances in Medicinal Plants (Vol. I): 127-143*, Publication of Asian Medicinal Plants and Health Care Trust, Jodhpur., 218pp.
2. Chakrabarti, S. (2005). Parasitic Efficacy of *Ephedius nacheri*, Quilis (Hymenoptera: Aphididae) to Control *Hayhurstia artiplices* (Homoptera: Aphididae) on *Chenopodium album*, A Medicinal Plant in Western Himalayas. *Advances in Medicinal Plants (Vol.I): 193-199*, Publication of Asian Medicinal Plants and Health Care Trust, Jodhpur, 218 pp.
3. K.S. Kapoor (2006). Biodiversity in Cold Deserts of Western Himalayas: Issues and Interventions (207-214). *Mountain Technology Agenda: Status Gaps and Possibilities*, a book published by Department of Science and Technology, New Delhi in collaboration with HESCO, Dehradun. Bishen Singh, Mohinder Pal Singh, Dehradun, 522 pp.

Consultancy:

To guide and to provide all necessary inputs, cooperation and technical assistance to M/s Gujrat Ambuja Cements Ltd. Darlaghat, District Solan (HP), Himalayan Forest Research Institute, Shimla signed a Memorandum of Understanding with the

Company initially for a period of five year beginning from July, 2005 for “Carrying out Eco-rehabilitation Activities in its Mined Out Areas at Kashlog”. This consultancy is to be implemented by the Divisions of Ecology & Biodiversity Conservation and Silviculture & Tree Improvement of the institute. An amount of Rs. 3,97,347 has already been advanced to this institute for taking up the related works during 2005-06.

Information Pertaining to the Establishment Branch

The Powers and Duties of Officers and Employees:

S. No.	Name of the Officers/ Officials	Designation	Powers & Duties (Administrative)
AJ.	Administrative Responsibilities: In order to ensure discipline and smooth functioning of the institutional activities, the following officers and officials are handling the administrative responsibilities of this institute as per the details below.		
1.	Sh. Surinder Kumar, IFS	Director	As per the ICFRE Compendium, Director of the institute exercises complete Administrative and Financial powers delegated to him by the Director General of ICFRE, Dehra Dun. He is Head of the Institute and has over all control on the Administrative and Research activities of the Institute.
2.	Sh. Rajinder Sharma	Private Secretary	The Private Secretary to Director also looks after the responsibilities/ duties of Nodal Officer, Legal Cell and Hindi Officer. One UDC (Smt. Anita Devi) assists him in the works pertaining to legal cell and Hindi Section.
3.	Sh. Kehar Singh Thakur, IFS	Head of Office	Holds the charge of Head of Office and Vigilance Officer of the institute. He has been delegated the administrative powers to deal with the officials up to Class-III level. Financial powers up to Rs. 1000/- has also been given to him by the Director. He is assisted by Shri Dinesh K. Dhiman, Stenographer Grade-II in day-to-day office works. He is assisted by Sh. Dharam Singh Rana, Head Clerk (Establishment) and Smt. Sunita Narwal, LDC.
4.	Sh. Keshav Dutt Sharma, IFS	DDO	Acting as Drawing & Disbursing Officer of the institute and he exercises full financial powers up to Rs. 500.00 as per delegation to him by the Director. Smt. Suman Kaushal, Head Clerk (Accounts) assists him in works pertaining to accounts branch. She in turn is assisted by Sh. Rakesh Kumar, UDC and two LDCs Sh. Anil Sharma (Cashier) & Sh. Uma Shankar.
5.	Sh. Uddam Ram,	E & A. O.	He is Establishment & Accounts Officer and looks after the works related to Establishment and Accounts Branch and is under the direct control of Head of Office. He is assisted by Head Clerk,

			Accounts (Smt Suman Kaushal) and Head Clerk, Establishment (Shri Dharam Singh Rana) in facilitating the jobs pertaining to the concerned branches.
6.	Sh. M. Raj Kumar, IFS	Estate Officer	Performing the duties of Estate Officer, Vehicle Officer and Officer In-charge of IT Cell and Library. He is assisted by Sh. N.P.S. Dhaulta and Sh. Sani Pradhan, Forest Range Officers in accomplishing day-to-day works pertaining to Estates. S/Sh. Kartar Singh (Forester), Murat Singh (Forest Guard) and Smt. Veena (Mali) helps him in performing various works of the Estate Section. Smt. Anita Bhadwal (UDC), Smt. Krishna Lalhal (LDC) facilitate the Estate Officer by providing secretarial assistance in day to day works pertaining to estate, vehicles and library. Shri Prakash Chand (Research Assistant) is working as Incharge – I.T. and Library. There are three Drivers, Shri Madan Lal, Shri Des Raj and Shri Raj Kumar.
7.	Dr. Sumit Chakrabarti, Scientist	Store Officer	He is assisted by Sh. Shri Badri Sain Negi and Shri Bachitter Singh (LDCs) in various works pertaining to Store Section.
Bj.	Research Activities: To cater to the forestry research needs as per the thrust areas of the States of Himachal Pradesh and Jammu & Kashmir, Six Research Divisions have been created by the Director. Research activities of this Institute have accordingly been distributed amongst the research divisions as per their mandate. Coordinator (Research) under the direct control of Director of the institute liaise with these research divisions for taking up specific issues pertaining to research and thereafter preparing reports etc. Matters pertaining to research are looked after and disposed off by the Coordinator (Research) under the guidance of the Director.		
	Research Coordination:		
	Dr. K.S. Kapoor	Coordinator, Research	Research Coordination Division is Headed by Dr. K.S. Kapoor, Scientist-E at the institute. The main activities of this division pertain to liaisoning with all the Head of Research Divisions on various aspects pertaining to research activities, to deal with the correspondence related to research and to prepare various reports regarding research and ensure timely submission of these to the ICFRE Headquarters and other quarters concerned. He is also discharging the duties of Nodal Officer– FRI, Deemed University, Dehradun. Under the Right to Information Act, Council on the specific recommendations of the Director of the institute has given the responsibility of Public Information Officer to Dr. Kapoor. Km. Narvada, Steno Grade –III provides all necessary secretarial assistance to Coordinator (Research).

	Research Divisions:		
1.	Agroforestry & Extension Division:		
	Sh. K. D. Sharma, IFS	Head of Division	Mr. K.D. Sharma, Deputy Conservator of Forests, acts as the Head of this Division. He is assisted by Shri Jagdish Singh, Scientist-C and Dr. Vijender Pal Panwar, Scientist-B, one Research Assistant (Sh. Joginder Chauhan) and a Deputy Ranger (Sh. Mohinder Singh), in day to day research and field works pertaining to agro-forestry.
2.	Ecology and Bio-diversity Conservation:		
	Dr. K.S. Kapoor	Head of Division	Acts as the Head of this Division. He is assisted by Dr. R.K. Verma, Scientist-D and Dr. Vaneet Jishtu, Research Officer, besides Dr. Ranjeet Singh Rawat and Dr. S.P. Subramani Research Assistants. The laboratory activities are mainly performed by Sh. Dushyanat, Technical Assistant who works under the direct control of Dr. Rawat. Maintenance of Herbarium is being done by Sh. Diwan Singh under the guidance of Dr. Subramani. Field staff comprising of Sh. Surinder Singh Rautela and Patanga Ram, Dy. Rangers, Sh. Purushotam Ram, Forester and S/ Sh. Sant Ram, and Ramanjeet, Forest Guards, help the research staff in the division while conducting field surveys/ works, laboratory analysis and carrying out/ implementing various research works in the field.
3.	Forest Protection Division:		
	Dr. Ranjeet Singh	Head of Division	Dr. Ranjeet Singh is the Head of this division. To undertake research works in the division - he is assisted by Dr. S. Chakrabarti – Entomologist and Sh. Ashok Kumar – Pathologist. Dr. Shailendra Kumar and Dr. Vijay Prakash Pandey, Research Assistants and Sh. Vivek Sharma, Technical Assistant of this division provide all necessary help to the scientists in implementing the research activities. Sh. Budhi Singh, Forester helps the research staff in day-to-day works pertaining to the field.
4.	Non Wood Forest Products:		
	Sh. M. Rajkumar, IFS	Head of Division	Sh. M. Rajkumar, Deputy Conservator of Forests is the Head of this division. To perform the research works quite effectively, he in the division is assisted by Dr. A. Rajasekaran, Scientist-B. Sh. Joginder Chauhan, Research Assistant helps the researchers in performance of day to day research works in the division.
5.	Participatory Forest Management Division:		
	Sh. K. D. Sharma, IFS	Head of Division	He is Head of this Division and is assisted by Sh. Prakash Chand, Research Assistant in carrying out activities pertaining to this division.
6.	Division of Silviculture and Tree Improvement:		

	Sh. K. S. Thakur, IFS	Head of Division	Shri K.S. Thakur, Deputy Conservator of Forests is the Head of this Division. To facilitate the research activities, he in this division is assisted by Dr. Rajesh Sharma, Scientist-E (Geneticist) and Dr. Sandeep Sharma, Scientist-D (Silviculturist) and Sh. Pitamber Singh Negi, Research Officer. S/Sh. Sani Pradhan and N.P.S. Dhaulta are the Forest Range Officers attached to this division to undertake the field related activities. Sh. Sanjeev Bhatia, Research Assistant and Sh. Jawala Prasad, Technical Assistant provide all necessary assistance to the research staff during research activities. Sh. Shonk Ram, Deputy Ranger and five Foresters (S/ Sh. Kundan Lal, Sangat Ram, Rakesh Sharma, Narinder Sain & Ramesh Chand Kainthla) besides three Forest Guards (S/ Sh. Mohinder Singh; Madhvendra Mohan & Rajinder Pal) and one Mali (Sh. S.P. Negi) assist the scientific strength of the division in performing/ implementing day to day research works pertaining to field forestry. He is assisted by Shri Dinesh K. Dhiman, Stenographer Grade-II in day-to-day office works.
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The Procedures Followed in the Decision Making Processes including Channels of Supervision and Accountability:

Director is the overall authority of the Institute and accordingly, while taking the final decision in most of the administrative and financial matters, the powers lie with him. However, the following procedure is followed during decision-making processes of course, by not ignoring the channels of supervision and accountability thereof:

Matters pertaining to Establishment:

- The powers for facilitating the works of Head of Office, Drawing & Disbursing Officer and Estate & Vehicle Officers have been delegated to three Deputy Conservator of Forests. The channel of supervision and accountability is as follows:-
- The dealing hand in the rank of LDC/ UDC, put up the dak / correspondence to his higher up i.e. Head Clerks of the concerned sections who after proper scrutiny are putting up the cases to E.&A.O. for further checking at his level. The E.&A.O. after his observations/ recommendations is putting up the matter to Head of Office or Drawing & Disbursing Officer - as per the requirement - with the observation / recommendation for further necessary action at their level. The Head of Office & Drawing & Disbursing Officer are taking necessary decisions as per powers delegated to them by the Director and in cases, where the matters

are beyond their power, the same are being sent to the Director for necessary sanction and approval through his Private Secretary.

- In case of Legal matters the correspondence is being put up by the dealing assistant (UDC) to the Legal Officer. Legal Officer after fulfilling the requirement of subject matter is putting up the same to Head of Office who in turn disposes the matter off in accordance with rules and powers vested with him. In the cases, where he is not empowered, the issues with proper recommendations of Head of Office are forwarded to the Director for final decision.
- In case of correspondence related to Estates & Vehicles, the dealing assistant (UDC) is putting up the correspondence to the Estate Officer and Vehicle Officer - as per the requirement - who in turn is taking decisions as per the powers vested with him and the cases beyond are sent to the Director for final decision.
- It is pertinent to mention over here that powers like appointments, transfers & postings upto Group-III staff lies with the Director of the Institute. Financial matters beyond the power of Director and final approval of reply of court cases etc. are being sent to ICFRE authorities as per the requirement for seeking necessary approval/ sanction.

The Norms Set by it for the Discharge of its Functions.

We at this institute are following the Rules and Regulations of Govt. of India hence, the norms set by the Govt. of India are being followed in letter and spirit.

The Rules, Regulations, Instructions, Manuals and Records, held by it or under its control or used by its Employees for Discharging its Functions:

As also stated above, the Institute is following rules, regulation, & instructions as framed by Govt. of India and the authorities in the council from time to time. As per the instructions of ICFRE, the council's Compendium is being consulted/ referred in all the day to day works. However, in cases where the compendium is silent about rules we are following/applying the rules of Govt. of India as per instruction of ICFRE Hqrs.

A Statement of the Categories of Documents that are held by it or under its Control:

- All the service record viz. Service Books & Personal Files of the officers and officials and all other files related to Establishment matters are being kept and maintained in the Establishment Branch. All ACR Dossiers/ folders are being kept in the custody of Head of Office.
- All the records pertaining to Accounts matters viz. Cash Books, Ledgers, Check Drawn Registers, Paid Vouchers, the files of accounts related matters, Pay Bill Registers, TA/LTC and Medical Reimbursement Registers etc. are being

maintained by and kept in Accounts Branch in the custody of concerned dealing hands.

- Likewise the records pertaining to Stores, viz. Stock Registers and concerned files are being maintained and kept in Store Section in the custody of dealing hands.
- All records pertaining to Estate, IT, Library Sections and of the Divisions are being maintained and kept in the concerned sections/ divisions.
- For maintaining the old/ closed records, Dr. Ranjeet Singh, Scientist-D on the specific recommendations of the Director of the institute has been declared as the Record Officer, who is responsible for weeding out the records and one separate room has been provided for keeping all these record in systematic manner.

The Particulars of any Arrangement that exists for Consultation with, or Representation by, the Members of the Public in Relation to the Formulation of its Policy or Implementation thereof:

For preparation of Annual Action Plans/ Policy or implementation thereof, we are ensuring representation of members of public. There is existing an apex body called Research Advisory Group, which is a composite group of research users, researchers & research managers and have a regional character with subject area experts of national/international eminence. The constitution of RAG's is as follows:-

1.	Director of the Institute	Chairman	1
2.	DDG (Res.) or his nominee/ ADG (P&P)	Co-Chairman	1
3.	Representative of PCCF's (of jurisdiction of states) (seniors Officers directly dealing with forestry research)	Member	3
4.	Senior Scientist of the Institute	Member	2
5.	Senior Forestry Professional of the Institute	Member	2
6.	Representative of the University dealing with forestry of the rank of Dean or Head of Forestry Deptt.	Member	1
7.	Representative of Non Governmental Organization (NGO) dealing with forestry & forestry Research	Member	1
8.	Representative of forest based industry	Member	1
9.	Retired eminent Scientist having professional interest in forestry	Member	1
10.	Retired eminent Forest Officer having experience & interest in forestry research	Member	1
11.	Coordinator- Research	Member Secy.	1

Role of RAG:

1. To review research programme and new research proposals at the institute every year.
2. To consider and provide advice on regional requirements for forest research over the whole spectrum of activities affecting forests & tree in land management.
3. To review the progress and results from all research projects.
4. To recommend annual research programs and level of budget allocation to the relevant Institute.

Having representation of above including NGO's in formulation of plans, the representation of public was also ensured and the requirement of present day in forestry research is being assessed through the meetings of this group. As per recommendations of RAG , the projects are being formulated and implemented.

There is another apex body of ICFRE known as "Research Policy Committee" (RPC). The main role of this committee is to review other research projects cleared by RAG's of its Institutes and to clear recommend the projects with prioritization for implementation in various Institutes.

A Statement of Boards, Councils, Committees and other Bodies Consisting of two or more Persons Constituted as its part or for the Purpose of its Advice, and as to whether meeting of those Boards, Councils, Committees and other Bodies are open to the Public, or the minutes of such meetings are Accessible for Public and ICFRE Headquarters be informed accordingly:

There are committees like Research Advisory Committee, Senior Purchase Committee, Technical Evaluation Committee for scientific equipments, House Allotment Committee and Departmental Promotion Committee in this Institute. The activities of the Committees are not open to the public.

Directory of HFRI Officers and Officials:

S. No.	Name of officer/ official	Designation	Address	Telephone	Date of superannuation / repatriation
A]. Officers on Deputation:					
1.	Sh. Surinder Kumar, IFS	Director	HFRI, Conifer Campus, Panthaghati, Shimla-9	2626778-79 94180-26392 2627804 (Extn. 101)	31.12.2006
2.	Sh. K.S.Thakur, IFS	Dy. C.F.	-do-	2627243 2627804 (Extn. 102)	27.08.2006
3.	Sh. K.D.Sharma, IFS	Dy. C.F.	-do-	2626802 2627804 (Extn. 103)	02.09.2006
4.	Sh. M.Raj Kumar, IFS	Dy. C.F.	-do-	2627804 -06 2627804 (Extn. 104)	28.07.2009
5.	Sh. N. P. S. Dhaulta	FRO	-do-	2627804 (Extn. 212)	13.09.2006
6.	Sh. Sani Pradhan	FRO	-do-	2627804 (Extn. 212)	13.01.2007
B]. Officers and Officials on Permanent Strength:					
7.	Dr. K.S.Kapoor	Scientist-E	HFRI, Conifer Campus, Panthaghati, Shimla-9	2626801 2627804 (Extn. 201)	31.08.2018
8.	Dr. Ranjeet Singh	Scientist-D	-do-	2627804 (Extn. 202)	30.11.2022
9.	Dr. Rajesh Sharma	Scientist-E	-do-	2627804 (Extn. 203)	31.10.2026
10.	Dr. Sandeep Sharma	Scientist-D	-do-	2627804 (Extn. 204)	31.07.2026
11.	Dr. Raj Kumar Verma	Scientist-D	-do-	2627804 (Extn. 205)	31.08.2026
12.	Dr. S.Chakraborti	Scientist-D	-do-	2627804 (Extn. 206)	31.03.2024
13.	Sh. Jagdish Singh	Scientist-C	-do-	2627804 (Extn. 207)	31.10.2024
14.	Sh. Ashok Kumar	Scientist-B	-do-	2627804 (Extn. 209)	30.06.2037
15.	Dr. A. Rajsekaran	Scientist-B	-do-	2627804 (Extn. 208)	30.06.2031
16.	Dr. Vijender Pal Panwar	Scientist-B	-do-	2627804 (Extn. 208)	31.12.2029
17.	Dr. Vaneet Jishtu	R.O.	-do-	2627804 (Extn. 211)	30.09.2025
18.	Sh. Pitamber Singh Negi	R.O	-do-	2627804 (Extn. 301)	31.12.2030
19.	Sh. R.K.Sharma	P. S. to Director	-do-	2626778-79 2627804 (Extn. 401)	30.11.2019
20.	Sh. Uddam Ram	E & A.O.	-do-	2627804 (Extn. 402)	31.07.2016
21.	Smt. Suman Kaushal	Head Clerk	-do-	2627804 (Extn. 403)	31.08.2019
22.	Sh. Dharam Singh Rana	Head Clerk	-do-	2627804 (Extn. 404)	28.02.2018
23.	Sh. Dinesh Dhiman	Steno-II	-do-	2627804 (Extn. 405)	31.03.2029
24.	Km. Narvada	Steno-III	-do-	2626801 2627804 (Extn. 405)	31.07.2034
25.	Smt. Anita Devi	UDC	-do-	2627804 (Extn. 405)	31.10.2020
26.	Sh. Rakesh Kumar	UDC	-do-	2627804 (Extn. 403)	31.03.2027
27.	Sh. Badri Sain Negi	UDC	-do-	2627804 (Extn. 406)	31.01.2029
28.	Sh. Anil Kumar Sharma	LDC	-do-	2627804 (Extn. 403)	30.06.2014
29.	Smt. Sunita Narwal	LDC	-do-	2627804 (Extn. 404)	31.08.2035
30.	Smt. Krishna Lalhal	LDC	-do-	2627804 (Extn. 302)	31.10.2023
31.	Sh. Bachiter Singh	LDC	-do-	2627804 (Extn. 406)	31.01.2015
32.	Sh. Uma Shanker	LDC	-do-	2627804 (Extn. 403)	31.03.2023
33.	Sh. Madan Lal	Driver	-do-	2627804	31.03.2013
34.	Sh. Des Raj	Driver	-do-	2627804	30.04.2015
35.	Sh. Raj Kumar	Driver	-do-	2627804	31.01.2032
36.	Dr. Shailendra Kumar	RA-I (SG)	-do-	2627804 (Extn. 301)	28.02.2027
37.	Dr. Ranjeet Singh	RA-I	-do-	2627804 (Extn. 211)	31.12.2034

	Rawat				
38.	Dr. Vijay Prakash Pandey	RA-I	-do-	2627804 (Extn. 502)	31.12.2034
39.	Dr. S.P.Subramani	RA-I	-do-	2627804 (Extn. 503)	30.06.2031
40.	Sh. Prakash Chand	RA-I	-do-	2627804 (Extn. 302)	31.12.2018
41.	Sh. Sanjeev Kumar	RA-I	-do-	2627804 (Extn. 501)	30.04.2038
42.	Sh. Joginder Singh	RA-I	-do-	2627804 (Extn. 501)	31.08.2039
43.	Sh. Surinder Singh	Dy. Ranger	Field Research Station Poanta Sahib, Sirmour		30.09.2015
44.	Sh. Mohinder Singh	Dy. Ranger	HFRI, Shimla-9	2627804 (Extn. 501)	30.06.2016
45.	Sh. Patanga Ram	Dy. Ranger	Field Research Station Tabo, Lahaul & Spiti		30.11.2011
46.	Sh. Shonk Ram	Dy. Ranger	Field Research Station Nalagarh (Solani)		31.01.2015
47.	Sh. Kundan Lal	Forester	Model Res. Nursery, Baragaon, Shimla		29.02.2016
48.	Sh. Budhi Singh	Forester	HFRI, Shimla-9	2627804 (Extn. 501)	30.04.2016
49.	Sh. Kartar Singh	Forester	-do-	2627804	30.04.2023
50.	Sh. Purushotam Ram	Forester	-do-	2627804 (Extn. 503)	30.04.2021
51.	Sh. Sangat Ram	Forester	Field Research Station, Bhrunderhar, Kullu		31.08.2020
52.	Sh. Rakesh Sharma	Forester	Field Research Station Shilly, Solan		31.08.2026
53.	Sh. Narender Sain	Forester	-do-		31.10.2027
54.	Sh. Ramesh Chand	Forester	Field Research Nursery Shillaru, Shimla		31.07.2027
55.	Sh. Vivek Sharma	TA-I	HFRI, Shimla-9	2627804 (Extn. 502)	30.06.2041
56.	Sh. Dushyant	TA-I	-do-	2627804 (Extn. 503)	31.03.2036
57.	Sh. Jawala Prashad	TA-I	-do-	2627804 (Extn. 501)	31.10.2039
58.	Sh. Diwan Singh	Forest Guard	-do-	2627804 (Extn. 503)	31.05.2028
59.	Sh. Mohinder Singh	Forest Guard	Field Research Station Nalagarh.		31.12.2024
60.	Sh. Sant Ram	Forest Guard	Field Research Station Tabo		28.02.2027
61.	Sh. Murat Singh	Forest Guard	HFRI, Shimla-9	2627804	30.09.2029
62.	Sh. Madhvendra Mohan	Forest Guard	Field Research Station Bhrunderhar Kullu		30.09.2039
63.	Sh. Sachin Chauhan	Forest Guard	Field Research Nursery Shillaru, Shimla		31.10.2040
64.	Sh. Rajender Pal	Forest Guard	Model Research Nursery, Baragaon		31.05.2034
65.	Sh. Raman Jeet	Forest Guard	HFRI, Shimla-9	2627804 (Extn. 503)	30.06.2040
66.	Sh. Daulat Ram	Khalasi	-do-	2627804	31.08.2015
67.	Sh. Rakesh Kumar	Khalasi	-do-	2627804	31.05.2024
68.	Sh. Roop Lal	Khalasi	-do-	2627804	28.02.2029
69.	Sh. Vinod Kumar	Khalasi	-do-	2627804	31.03.2028
70.	Sh. Dharam Singh	Khalasi	-do-	2627804	30.06.2029
71.	Smt. Veena Kumari	Mali	-do-	2627804	30.04.2018
72.	Sh. S.P. Negi	Mali	Field Research		31.01.2010

			Nursery, Baragaon, Shimla		
73.	Sh. Parma Nand	Chowkidar	HFRI, Shimla-9	2627804	31.01.2014
74.	Sh. Khem Raj	Chowkidar	-do-	2627804	31.12.2019
75.	Sh. Ashok Kumar	Safaiwala	-do-	2627804	31.10.2025

Information Pertaining to Accounts Branch

The Monthly Remuneration Received by each of its Officers and Employees, including the System of Compensation as Provided in its Regulations:

Sl. No	NAME & CATEGORY	DESIGNATION	SCALE OF PAY	BASIC	DP	GROSS SALARY	DATE OF INCREMENT
A].	IFS OFFICERS ON DEPUTATION:						
1	Sh. Surinder Kumar, IFS	DIRECTOR	(16400-450-20000)	18650	9325	35,764.0	JANUARY
2	SH. K.S. THAKUR, IFS	DCF	(14300-400-18300)	15500	7750	29,580.0	APRIL
3	Sh. K.D. SHARMA, IFS	DCF	(12000-375-16500)	13875	6938	27,358.0	JUNE
4	Sh. M RAJKUMAR, IFS	DCF	(10000-325-15200)	10650	5325	21,359.0	JANUARY
B].	SCIENTISTS:						
1	DR. K.S. KAPOOR	SCIENTIST- E	(14300-400-18300)	15900	7950	33,899.0	JANUARY
2	DR.RANJEET SINGH	SCIENTIST- D	(12000-375-16500)	13875	6938	29,780.0	JANUARY
3	DR. RAJESH SHARMA	SCIENTIST- E	(14300-400-18300)	13500	6750	27,547.0	JANUARY
4	DR.SANDEEP SHARMA	SCIENTIST- D	(12000-375-16500)	13500	6750	27,547.0	JANUARY
5	DR RAJ K. VERMA	SCIENTIST- D	(12000-375-16500)	13500	6750	27,547.0	JANUARY
6	DR. S. CHAKRABARTI	SCIENTIST- D	(12000-375-16500)	13125	6563	26,803.0	JANUARY
7	SH .JAGDISH SINGH	SCIENTIST-C	(10000-325-15200)	10975	5488	22,535.0	JANUARY
8	SH. ASHOK KUMAR	SCIENTIST - B	(8000-275-13500)	8825	4413	18,268.0	APRIL
9	DR. A. RAJASEKARAN	SCIENTIST - B	(8000-275-13500)	8825	4413	18,268.0	APRIL
10	DR. V.P. PANWAR	SCIENTIST - B	(8000-275-13500)	8275	4138	18,507.0	JUNE
C].	RO/ FRO/ RA(SG):						
1	SH.VANEET JISHTU	R.O.	(6500-200-10500)	7300	3650	16,034.0	APRIL
2	SH. P.S .S NEGI	R.O.	(6500-200-10500)	6500	3250	13,652.0	MAY
3	SH. N.P.S. DHAULTA	FRO	(6500-200-10500)	8650	4325	18,877.0	JULY
4	SH. SANI PRADHAN	FRO	(6500-200-10500)	8100	4050	16,626.0	JANUARY
5	DR.SHAILENDRA KR	R.A.-I (S G)	(5500-175-9000)	5675	2838	11,865.0	JULY
D].	PERSONAL STAFF:						
1	SH.R.K. SHARMA	PS to Director	(6500-10500)	8100	4050	18,733.0	MARCH
2	SH.DINESH DHIMAN	STENO Gr.II	(5000-8000)	5300	2650	11,120.0	AUGUST
3	KM. NARVADA DEVI	STENO Gr.III	(4000-100-6000)	4400	2200	9,334.0	APRIL
E].	ADMIN / MIN. STAFF:						
1	SH.UDDAM RAM	E&AO	[6500-200-10500]	6900	3450	15,240.0	NOVEMBER
2	SMT.SUMAN KAUSHAL	HC	(5000-8000)	5600	2800	12,411.0	MAY

2	SH.DHARAM SINGH	HC	(5000-8000)	5450	2725	12,113.0	MAY
4	SMT.ANITA DEVI	UDC	(4000-100-6000)	4800	2400	11,162.0	SEPTEMBER
5	SH.RAKESH KUMAR	UDC	(4000-100-6000)	4300	2150	9,532.0	NOVEMBER
6	SH.BADRI SAIN NEGI	LDC	(4000-100-6000)	4300	2150	9,532.0	NOVEMBER
7	SH.ANIL SHARMA	LDC	(5000-8000)	5600	2800	12,511.0	MAY
8	SMT.SUNITA NARWAL	LDC	(3050-4590)	3575	1788	7,547.0	DECEMBER
9	SMT.KRISHNA LALHAL	LDC	(3050-4590)	3575	1788	8,024.0	MARCH
10	SH.BACHITTER SINGH	LDC	(3050-4590)	3875	1938	8,495.0	AUGUST
11	SH.UMA SHANKER	LDC	(3050-4590)	3350	1675	7,612.0	MARCH
F].	DRIVERS:						
1	SH.MADAN LAL	DRIVERS	(4500-125-7000)	5750	2875	12,540.0	OCTOBER
2	SH.DES RAJ	DRIVERS	(4000-100-6000)	5250	2625	11,622.0	AUGUST
3	SH.RAJ KUMAR	DRIVERS	(4000-100-6000)	4000	2000	8,570.0	MAY
G].	RA-I / TA-I STAFF:						
1	DR. R. S.RAWAT	RA-I	(4500-125-7000)	5375	2688	11,270.0	APRIL
2	DR.V.P. PANDEY	RA-I	(4500-125-7000)	5375	2688	11,270.0	APRIL
3	SH.S.P.SUBRAMANI	RA-I	(4500-125-7000)	5375	2688	11,270.0	APRIL
4	SH.PARKASH CHAND	RA-I	(4500-125-7000)	5875	2938	12,858.0	MARCH
5	SH.SANJEEV KUMAR	RA-I	(4500-125-7000)	4750	2375	10,044.0	MARCH
6	SH.JOGINDER SINGH	RA-I	(4500-125-7000)	4750	2375	10,044.0	MARCH
7	SH.VIVEK	TA-I	(3200-85-4900)	3285	1643	7,006.0	MAY
8	SH.DUSHYANT	TA-I	(3200-85-4900)	3285	1643	7,006.0	MAY
9	SH.JAWALA PRASHAD	TA-I	(3200-85-4900)	3285	1643	6,561.0	MAY
H].	DY RANGERS/ FORESTERS:						
10	SH.SURINDER SINGH	DY,RANGER	(4000-100-6000)	4400	2200	9,866.0	AUGUST
11	SH.MOHINDER SINGH	DY,RANGER	(4000-100-6000)	4400	2200	9,836.0	DECEMBER
12	SH.PATANGA RAM	DY,RANGER	(4000-100-6000)	4400	2200	10,621.0	AUGUST
13	SH.SHONK RAM	DY,RANGER	(4000-100-6000)	4400	2200	9,921.0	NOVEMBER
14	SH.KUNDAN LAL	FORESTER	(3050-4500)	4100	2050	9,315.0	FEBRUARY
15	SH.BUDHI SINGH	FORESTER	(3050-4500)	4100	2050	9,745.0	FEBRUARY
16	SH.KARTAR SINGH	FORESTER	(3050-4500)	3500	1750	7,785.0	AUGUST
17	SH.SANGAT RAM	FORESTER	(3050-4500)	3650	1825	8,372.0	AUGUST
18	SH.PURUSHOTAM RAM	FORESTER	(3050-4500)	3650	1825	8,564.0	AUGUST
19	SH.RAKESH SHARMA	FORESTER	(3050-4500)	3425	1713	7,401.0	DECEMBER
20	SH.RAMESH CHAND	FORESTER	(3050-4500)	3425	1713	7,401.0	DECEMBER
21	SH.NARENDER SAIN	FORESTER	(3050-4500)	3425	1713	7,401.0	DECEMBER
I].	FOREST GUARDS:						
1	SH.SANT RAM	FG	(2550- 3200)	3350	1675	7,761.0	DECEMBER
2	SH.DIWAN SINGH	FG	(2550- 3200)	3350	1675	7,190.0	JULY
3	SH.MOHINDRA SINGH	FG	(2550- 3200)	3350	1675	6,920.0	JULY
4	SH.MURAT SINGH	FG	(2550- 3200)	3350	1675	7,130.0	JULY
5	SH.MADHVENDRA MOHAN	FG	(2550- 3200)	2605	1303	5,446.0	MAY
6	SH.SACHIN CHAUHAN	FG	(2550- 3200)	2605	1303	5,286.0	MAY

7	SH.RAJENDER PAL	FG	(2550- 3200)	2605	1303	5,544.0	JUNE
8	SH.RAMAN JEET	FG	(2550- 3200)	2605	1303	5,176.0	JUNE
JJ.	CHOWKIDARS/ KHALASIS/ MALI:						
1	SH.PARMA NAND	CHOWKIDAR	(2610-4000)	3875	1938	8,470.0	AUGUST
2	SH.KHEM RAJ	CHOWKIDAR	(2610-4000)	3370	1685	7,427.0	JULY
3	SH.DAULAT RAM	KHALASI	(2610-4000)	3875	1938	8,556.0	AUGUST
4	SH.RAKESH KUMAR	KHALASI	(2610-4000)	3440	1720	7,641.0	FEBRUARY
5	SH.ROOP LAL	KHALASI	(2550-3200)	3370	1685	7,169.0	JUNE
6	SH.VINOD KUMAR	KHALASI	(2550-3200)	3370	1685	7,169.0	JUNE
7	SH.DHARAM SINGH	KHALASI	(2550-3200)	3370	1685	7,229.0	JULY
8	SMT.VEENA KUMARI	MALI	(2610-4000)	3370	1685	7,169.0	JUNE
9	SH.S.P.NEGI	MALI	(2610-4000)	3875	1938	8,962.0	SEPTEMBER
10	SH.ASHOK KUMAR	S.Wala	(2610-4000)	3370	1685	7,482.0	MAY

The Budget Allocated to each of its Agency, indicating the Particulars of all Plans, Proposed Expenditure and Reports on the Disbursement made:

(a) A/C & Budt code		HEAD OF ACCOUNT	ALLOTMENT FOR 2006-07	EXPNDITURE FOR 2005-06
PLAN BUDGET				
1061	5101	Salary (Technical)	111.16	84.21
1063	5131	T.E. (Technical)	3.35	2.54
2100	5148	Maint. Of vehicle a) Fuel	3.85	3.50
2101	5149	b) Repair	2.46	2.24
2102	5150	c) Road Tax/ Insurnc	0.30	0.27
2103	5142	Electricity Charges	3.32	3.02
2104	5143	Telephone Charges	1.97	1.79
2105	5151	a) Maint of Scientific Equip	0.23	0.21
2106	5152	b) Maint of Office Equip	0.80	0.73
2109	5153	a) Water Charges	0.25	0.23
2108	5216	b) Stationery	1.00	0.92
2122	5166	c)Contingent Expenses	2.97	2.70
2110	5154	d) Legal/ Consult. charges	0.23	0.21
2113	5157	g) Liveries	0.32	0.29
2114	5158	h) Postal Charges	0.20	0.20
2115	5159	l) Advertisement	0.15	0.14
2123	5167	j) Field Research Expens.	4.75	4.31
2124	5168	k) Seminar/ Confe./HRD	0.77	0.70
2118	5162	l) Newspaper	0.18	0.17
2125	5163	m) Extension	0.55	0.50
Total O.E. (Technical)			24.30	

		Total Research	138.81	
1062	5171	Salary (Non Technical)	42.02	31.84
1064	5200	T.E. (Non Technical)	0.66	0.50
		Total Non Technical	42.68	
1068	5240	Printing & Publication	0.28	0.25
1070	5260	M&S Lab contingency	2.66	2.42
1071	5270	Minor work	13.33	9.80
	5292	Conveyance Advance	2.00	
	5290	HBA	2.00	
1104	5331	Road and Buildings	13.00	12.97
1101	5335	Equipment	36.50	2.03
1103	5334	Library Books	0.09	0.08
		Total Others	69.86	
		GRAND TOTAL PLAN	251.35	173.31

(b)	MAIN WORKS	NAME OF CONTRACTOR/ SUPPLIERS	AMT (Rs.)	DISBURSEMENT MADE
1.	Irrigation System	M/S Jain Irrigation System, New Delhi	525,057.00	Bank Draft
2.	Underground Tunnel	Surya Structure, Solan	430,000.00	Bank Draft
3.	ESTATE WORKS			
a)	Wood Work in Lab/rooms	M/S Jeet Furniture, Shimla	41,641.00	By Cheque
b)	Construction of Gumti	M/S Om Parkash, Contractor	24,350.00	By Cheque
c)	Guard Hut Repair	M/S Gian Chand, Beolia, Contractor	20,880.00	By Cheque
d)	Purchase of Stationery & other small Equipments.	N. C. C. F.	76,934.00	By Cheque

The Manner of Execution of Subsidy Programmes, including the Amounts Allocated and the details of Beneficiaries of such Programme:

No subsidy is given in any programme by HFRI Shimla.

Particulars of Recipients of Concessions, Permits or Authorization Granted by it:

No such concessions, permits, authorizations are granted by HFRI Shimla

Any other information deemed fit pertaining to Accounts Section:

All major civil works and supplies are undertaken by well published tenders and from lowest rates quoted.

Additional Information about the Institute:

Abbreviation:	ICFRE – HFRI.
Founded in:	1977 as High Level Conifers Regeneration Centre, Shimla 1998 re-designated as Himalayan Forest Research Institute, Shimla
Address:	Conifer Campus, Panthaghati, SHIMLA-171 009 Himachal Pradesh, INDIA
Telephone:	0177-2626778
FAX:	0177-2626779
Telegram:	CONIFERS
E-Mail:	HFRI@hotdak.net; dir_hfri@icfre.org
Legal Status:	Autonomous Council under the MoE & F
Ministry/ Department:	Ministry of Environment & Forests, Government of India, NEW DELHI

Information Pertaining to Research Coordination Division

A. Activities undertaken by this Institute:

A.1] Educational:

1. Probationers of Indian Forest Services from Indira Gandhi National Forest Academy, Dehradun, visited Himalayan Forest Research Institute (HFRI), Shimla on 17th May, 2005. Trainees were apprised of the achievements and ongoing research activities of the institute through presentation. The probationers interacted with the officers and Scientists about the modern trends in forestry in general and forestry research in particular. Director, HFRI also guided the trainees about the development of professional skills particularly in the field of forestry.
2. Range Forest Officer Trainees of Uttaranchal Forest Training Academy, Haldwani visited the institute on 19th May, 2005. Trainees were apprised of the

achievements and ongoing activities of HFRI through presentation. Later the trainees interacted with the officers and Scientists on issues pertaining to forestry research.

3. Students from Sarswati Vidya Mandir School, Vikas Nagar, Shimla visited the institute on 22nd June, 2005. During their visit, the students were apprised of the various institutional activities and importance of forestry and related environmental issues in our day to day life.
4. Forest Guard Trainees from Forest Training School, Chail, Himachal Pradesh visited the Institute on 22nd July, 2005. The trainees were made aware of the ongoing institutional research activities of the Institute through a presentation.
5. A group of students of B.Sc. (Forestry) from Tamil Nadu Agriculture University, (TNAU) Mettupalayam and 6 students undergoing P.G. Diploma in Biodiversity Conservation from FRI- Deemed University, Dehra Dun visited this Institute during the month of September, 2005 and held interactions with officers and scientists of this Institute on different aspects of forestry in general and forestry research in particular.
6. Students from Senior Secondary School, Shimla visited this Institute on 7th December, 2005 and during this visit they were apprised of the ongoing activities of this institute. This activity was organized by WWF, Shimla in collaboration with this institute.
7. A team of farmers from Distt. Kinnaur along with officers from the Divisional Forest Office, Kinnaur visited this institute on 21st March, 2006. During their visit the team was apprised of various activities being undertaken by the institutes and issues of common interest including ecology and suitable agroforestry models those can be practiced in the district were discussed across. Their visit to the Model nursery for showing them the various research works was also organized.
8. Dr. Vaneet Jishtu from this institute was awarded Ph. D. Degrees in forestry from FRI, Deemed University, Dehradun.

A.2] Organisation of Trainings:

1. Organized two day's Farmers Training Programme on "Wild Aricot" on 2-3rd September, 2005 at Narag falling in Rajgarh Forest Division of District Sirmour, Himachal Pradesh. The Training was organized under the project funded by the NOVOD Board of Govt. of India. Similar training programme for the benefit of field functionaries of the State Forest Department of Himachal Pradesh was also organized under this project from 26th -27th October, 2005 at Himachal Pradesh State Forest Training School, Chail in which about 26 Field Functionaries of State Forest Departments were provided training on different aspects of Wild Apricot. Another training on "Wild Apricot – Nursery, Plantation, Oil Production and Its Uses" from 26 – 27th March 2006 was organized by the institute at Forest

Training Centre, Sundernagar, Mandi where Officials of Himachal Pradesh Forest Department were apprised of different aspects relevant to wild apricot.



Training and Demonstration Programme organized under the Project

An open meeting under NOVOD funded project was also organized for the farmers of Baragaon village at Model Nursery, Baragaon on 17th March 2006, where farmers were made aware of importance of cultivation of Wild Apricot.

2. Organized two Farmer's Trainings Programmes on "Cultivation of Karu and Mushkbala" at village Sajla and Karjan of Kullu District on 10th March, 2006 and at village Jhungi of Mandi District from 12th – 13th March, 2006 under the project funded by National Medicinal Plant Board, New Delhi.



Training and Demonstration Programmes

3. The institute at the request of Divisional Forest Officer, Suket Forest Division, Sundernagar organized one day Farmer's Training on "Commercial Cultivation of Medicinal & Aromatic Plants" at village Dhalwan on 14th March, 2006, the funds for which were given by the State Forest Department, Himachal Pradesh.

B. Participation of Officers of this institute in various Trainings Programmes:

1. Shri K.D. Sharma, IFS attended one week compulsory training course on "Wild Life Management: Issues, Concerns and Practices for Indian Forests Service Officers" held on 20 - 24 June, 2005 at Wild Life Institute, Dehradun (Uttanchal).

2. Shri K.S. Thakur, DCF attended three days' training programme on Overview for Decision Makers at Indian Institute of Remote Sensing, Dehradun from 20 - 23rd September, 2005.
3. Shri Surinder Kumar, Director, HFRI, Shimla attended two weeks Promotion Linked In-service Training for IFS Officer from 18 - 28th October, 2005 at IGNFA, Dehradun.

Organization and Participation in Conferences, Meetings, Workshops, Symposia, Exhibitions etc.:

1. Shri Surinder Kumar, IFS, Director, HFRI and Dr. K.S. Kapoor, Coordinator, Research attended the meeting of Research Policy Committee of ICFRE held on 30.04.2005 to 01.05.2005 at ICFRE, Dehradun.
2. Dr. Sandeep Sharma, Scientist-D attended a workshop on "Traditional System of Medicine" at Y.M.C.A. Complex, Shimla on 25th June, 2005.
3. Dr. K.S. Kapoor, Scientist-E attended an International Workshop on "Conserving Hill and Mountain Ecology " from 24th -26th August, 2005 as organized by United States Educational Foundation in India at Shimla in collaboration with Institute of Integrated Himalayan Studies, Himachal Pradesh University, Summer Hill (Shimla) and Forest Survey of India (NZ), Shimla.
4. Shri Ashok Kumar, Scientist-B participated in the National Symposium on Changing Concepts of Forestry in 21st Century from 21-22nd October, 2005 held at Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan sponsored by ICFRE, Dehradun and H.P. State Forest Department.
5. Officers and Scientists of this institute attended one day's workshop on "Acts & Rules for Environmental Conservation" on 25th November, 2005 as organized by State Director, World Wide Fund, Shimla in collaboration with HFRI, Shimla.
6. A Regional Workshop on Forestry Extension Strategy Review was organized by the Institute on 27th December, 2005. Besides participation of officers and scientists from this institute, about 25 participants representing different Research Organizations, Universities, NGOs, Farmers and State Forest Departments like Forest, Horticulture and Animal Husbandry also attended the workshop.

7. Shri Surinder Kumar, IFS, Director, HFRI attended a workshop on Climatic Change Mitigation in Forestry Sector at New Delhi from 23-24th January, 2006.
8. Shri Surinder Kumar, IFS, Director; K.S. Kapoor, Coordinator, Research and Dr. Sandeep Sharma, Scientist-D attended Silviculture Conference as organized by FRI, Dehradun from 1st – 3rd February, 2006.
9. Himalayan Forest Research Institute, Shimla in close collaboration with State Forest Research Institute (SFRI), Jammu & Kashmir organized a one day Liaison Meeting on 7th February, 2006 for the Senior Forest Officers of the Jammu & Kashmir, State Forest Department, which was inaugurated by Shri Tariq Hameed Karra, Hon'ble Forest Minister, Govt. of Jammu & Kashmir. Besides, other senior officers from the State Forest Department, Shri Najamus Saquib, IAS, Commissioner/ Secretary, Forest Department, Govt. of J & K and Shri S.D. Swantantara, IFS, Pr.CCF, J & K, Dr. C.M. Seth, Director, SFRI also attended the meeting. Shri M.S. Garbyal, IFS (DDG Admin.) and Dr. Shashi Kumar, IFS (Director Research) represented the council whereas Shri Surinder Kumar, IFS, Director alongwith the team of his officers and scientists represented the institute in the said meeting.
10. Dr. Rajesh Sharma, Scientist-D attended a national workshop on Tree Biotechnology – Indian Scenario as organized by TFRI, Jabalpur from 9th -10th February, 2006.
11. Dr. Sandeep Sharma, Dr. R.K. Verma, and Shri Jagdish Sharma attended a national workshop on Conservation and Cultivation of Medicinal Plants as organized by Haryana State Forest Department in close collaboration with State Medicinal Plant Board, Govt. of Haryana from 15th – 16th February, 2006.
12. Shri Surinder Kumar, IFS, Director, HFRI attended workshop on Forestry Education in India: Issues and Opportunities at Deemed University, Dehradun from 20th -21st March, 2006.
13. Shri Surinder Kumar, IFS, Director, HFRI attended Research Policy Committee Meeting on 22nd-23rd March, 2006 at FRI, Dehradun.
14. Dr. K.S. Kapoor, Scientist-D and Dr. R.K. Verma, Scientist-D attended National Seminar on Wasteland Development in Shiwaliks with Particular Reference to Himachal Pradesh at Dr. Y.S. Parmar University, UHF, Naini, Solan from 22nd -23rd March, 2006.

15. Sh. K.D. Sharma, IFS, DCF, HFRI attended one day Symposium on Disaster Management on 23rd March, 2006 at INDUS HOSPITAL, Shimla.
16. Dr. Ranjeet Singh, Scientist-D attended a three days National Congress of Entomology from 15th – 17th March, 2006 at Department of Zoology, Punjabi University, Patiala.