

ECO-RESTORATION OF MINED OUT AREAS AND WASTELANDS

TRAINING PROGRAMME FOR OTHER STAKEHOLDERS

(12.12.2018- 14.12.2018)

A three - days training programme of "**Eco-restoration of Mined out Areas and Wastelands**" was organized by the Himalayan Forest Research Institute, Shimla from **12th to 14th December, 2018** for the other stakeholders which was funded by the Ministry of Environment, Forests and Climate Change (MOEF&CC), Govt. of India, New Delhi. About 30 participants from various organisations viz., teachers and students from the esteemed educational institutions, representatives of the local bodies, personnel of the ITBP and Eco-task force, technical personnel of the research institutes, members of Joint Forest Management Committees, NGOs and media persons etc. participated in this training programme. The main intent behind this programme was to create awareness amongst the functionaries of these services with reference to the needs and techniques of **Eco-restoration of Mined out Areas and Wastelands**.



The training programme was inaugurated by **Dr. V.P. Tewari, Director, Himalayan Forest Research Institute, Shimla**. During his inaugural address, Dr. Tewari apprised the participants that the Himalayan



Forest Research Institute, besides carrying out the research activities, imparts the training programmes for the overall benefit of the stakeholders from varied spheres of the life from time to time. Dr. Tewari said that Eco-restoration of Wastelands hold the key for productivity enhancement and efforts needs to be directed for developing suitable technologies for resource conservation, management of the degraded & wasteland and transferring the knowledge to the end users. The scientifically sound afforestation technologies assume immense significance to put these lands

for productive use. The common folk always remain the focus of the research projects and programmes of this institute.

He further informed that the Institute is working in tune with the National mandate and as per the present day requirements of the general public. In line with this, the Institute is organizing this three days training-cum-demonstration programme for the other stakeholders so that they can find the ways and the means to orient the process of the policy formulation in this direction and the cause of the humanity can be suitably addressed. He reiterated the need of transforming the Lab research to the Land and ultimately to the common masses.

The Course Director of this training programme Dr. R.K. Verma, briefly presented an overview of the three- day long event and apprised all the participants about the schedule of the presentations and the field visit to Mining Areas of Ambuja Cement Factory Darlaghat, District Solan (HP) so as to show the plantation activities done by the institute in the mined out areas. Dr. Verma also provided information about the work done by the institute with respect to nursery and plantation techniques for eco-rehabilitation of limestone mined areas and other degraded areas of Shiwalik Hills. He also elaborated upon trees and shrubs species suitable for eco-rehabilitation of degraded areas of different zones of Himachal Pradesh.



This was followed by presentations of the Experts and the Resource Persons of various organizations.



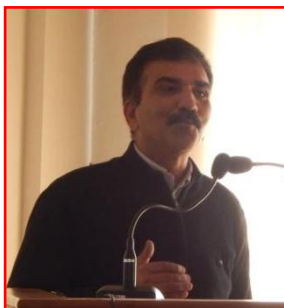
Dr. Sandeep Sharma, Scientist, HFRI, Shimla apprised the participants about the establishment of Nursery and its varied aspects. He also provided valuable information on the vermin-compost and its importance in the amplification of the fertility status of the soil. Dr V.R.R. Singh, PCCF, HP Forest Department gave his presentation on mining resources in the state of Himachal Pradesh, existing acts & rules for mining as well as restoration works done by the H.P. state forest department.

Dr. Ranjana Arya, GCR, Arid Forest Research Institute, Jodhpur gave an explicit and elaborate presentation on the Technologies for Resource Conservation and Management of the Degraded and Wastelands. Dr. Vaneet Jishtu, Scientist, HFRI gave a descriptive presentation on plant species suitable for combating the different types of pollution. Sh. Jagdish Singh, Scientist, HFRI highlighted the significance of the Paulownia in the rehabilitation and management of the wastelands in view of its fast growing nature and multifarious uses. Dr. Ranjeet Kumar, Scientist, HFRI, Shimla briefed about trees and shrubs species having high potential to reclaim and eco-rehabilitate the waste and degraded lands.



On the second day, participants were taken to **Ambuja Cement Factory- Kashlog Mining Site**, where they got the tangible information about the process of mining and subsequent by products of mining as well as the after-effects of the mining especially on the Land resources. Besides this, the participants saw the interventions made by the HFRI in the mined out area for Eco-restoration of mined out areas with the help of the species viz., Aonla (*Embllica Officinalis*), Khair (*Acacia catechu*), Dodonea (*Dodonea viscosa*), Poplar (*Populus deltoidea*), Daru (*Punica granatum*), Ramban (*Agave americana*) etc.

On the third day of the training, Dr Ashwani Tapwal, Scientist, HFRI, Shimla gave an elaborate presentation on Role of the Mycorrhiza in the nursery and establishment of plantation in mined out areas



and wastelands. This was followed by educative and illustrative presentation of Dr. R.S. Thapa, Principal Scientific Officer, HIMCOST, Shimla on application of Remote Sensing & GIS techniques for classification of wastelands. Dr Rajesh Kaushal, Professor, University of Horticulture & Forestry, Nauni, Solan gave a detail presentation on management of degraded & wasteland



through Horticulture & Agroforestry interventions. After that, Sh P.S. Negi, Scientist, HFRI gave a presentation on various aspects of seed & nursery techniques for raising *Juniperus polycarpos* for plantation in cold deserts & wastelands.

During the plenary session of the programme, Dr. V.P. Tewari, Director, HFRI distributed the Certificates to all the participants and thanked them for giving their valuable time and making this programme successful. Feedback was also taken from the participants of the training programme to compile the valuable and important suggestions in futuristic research training programmes. All the participants complemented the organizers for providing awareness and sensitization on such an important and relevant topic and hoped that the institute will come forward with such training programmes for stakeholder in future too.



In the end, Dr. R.K. Verma, the Course Director of this Training Programme thanked one and all and announced the ending of this three - days training programme with a note to continue the interactions for the better and sustained management of the resources.

Media Coverage

Danik Bhaskar December 13, 2018

बंजर भूमि का पारिस्थितिक पुनः स्थापन पर कार्यशाला हुई शुरू

विभिन्न क्षेत्रों के 30 प्रतिभागी हिस्सा ले रहे हिस्सा

सिटी रिपोर्टर | शिमला

हिमालयन वन अनुसंधान संस्थान शिमला में खनन क्षेत्रों एवं बंजर भूमि का पारिस्थितिक पुनः स्थापन विषय पर तीन दिवसीय कार्यशाला बुधवार को आरंभ हो गई। इसका शुभारंभ संस्थान के निदेशक डॉ. वीपी तिवारी ने किया। कार्यशाला में शिक्षक, छात्र, आईटीबीपी, ईको टॉस्क फोर्स के जवानों के अलावा स्थानीय निकायों, पंचायतों, महिला मंडलों, गैर सरकारी संगठनों सहित विभिन्न क्षेत्रों के करीब तीस प्रतिभागी हिस्सा ले रहे हैं।

इस मौके पर संस्थान के निदेशक डॉ. वीपी तिवारी ने कहा कि अनुसंधान गतिविधियों व शोध

कार्यों को जन साधारण के बीच और समाज के विभिन्न हित धारकों बीच पहुंचाना संस्थान के जानदेश का प्रमुख हिस्सा है। उन्होंने कहा कि वर्तमान परिपेक्ष्य में समाज की प्राथमिकता के अनुरूप चानिकी अनुसंधान व शोध करना समय की मांग है।

इस अवसर पर निदेशक डॉ. वीपी तिवारी ने यह उम्मीद जताई कि इस कार्यशाला में प्रदान की जाने वाली तकनीकी जानकारी और सामाजिक विषयों पर प्रदत्त ज्ञान को पारिस्थितिक सुरक्षा, पर्यावरण प्रबंधन और सतत विकास में कार्य करने के लिए उपयोगी व सहायक सिद्ध होगी।

Punjab Kesri December 13, 2018

कार्यशाला का आयोजन

शिमला, 12 दिसम्बर (ब्यूरो):
हिमालयन वन अनुसंधान संस्थान शिमला (एच.एफ.आर.आई.) में बुधवार को 3 दिवसीय प्रशिक्षण कार्यक्रम शुरू हुआ। अपक्षीय क्षेत्रों की पारिस्थितिक पुनः स्थापना विषय पर आयोजित कार्यशाला का शुभारंभ निदेशक एच.एफ.आर.आई. डा. वी.पी. तिवारी ने किया। डा. वी.पी. तिवारी ने कहा कि वास्तव में देश के लगभग 23 प्रतिशत भाग पर आच्छादित वन संपदा अपने अंदर कई मूल्यों को समाहित किए हुए है।