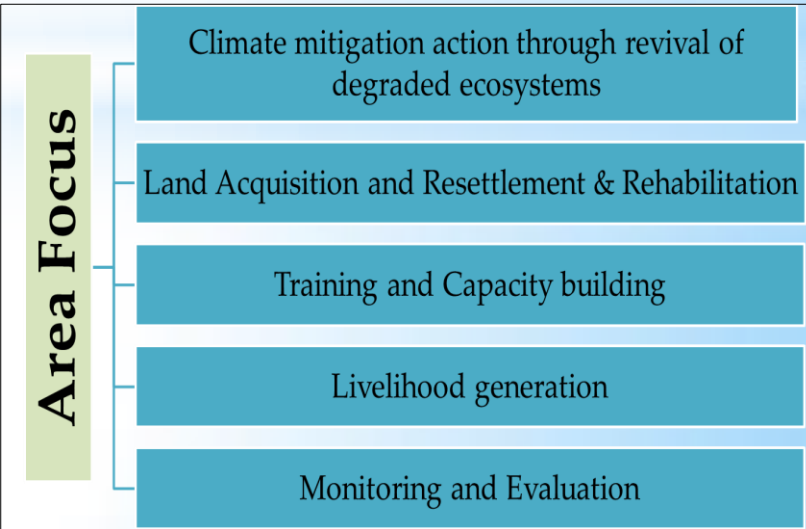




Center for Sustainable Land Management (CSLM) @ TERI

TERI is a not – for – profit think-tank, actively engaged in multi-disciplinary research on natural resource management and conservation for more than four decades. Since its establishment in 1974, TERI has made its mark as a research institute, whose policy and technology solutions transformed people’s lives and the environment.

Center for Sustainable Land Management (CSLM) offers solutions in minimizing land degradation, rehabilitating degraded areas and ensuring the optimal use of land resources for the benefit of future generations. The Centre of Sustainable Land Management is focusing on the challenges in the area of land acquisition, rehabilitation and resettlement of PAF, mine reclamation, training and capacity building on climate change and forestry issues, Policy support. The area also addresses issues of global warming and climate change, to find out ways of attaining development goals with minimum economic, social and environmental costs.



Policy Related Issues

The area has been involved in conducting projects, seminars and capacity building programs related to Land Acquisition under RFCTLARR Act, 2013 and Resettlement and Rehabilitation schemes.

The CSLM area is working on reclamation of mine waste in order to standardize vegetation protocol through developing green cover at the waste site and develop by improving its physico-chemical conditions and removing the inhibiting substances by means of low-cost additives and treatments.

Mine Waste Management

Carbon Financing

With possibilities of accessing carbon-based financing for forestry activities, under compliance and various voluntary mechanisms, TERI provides technical services towards project development to forest departments of various states. The key areas of expertise are assessment of biomass, socio-economic/institutional assessment, and preparation of project design documents (PDDs) for CDM projects.

The area has been conducting training programmes for IFS officers on issues of Forest and Climate Change Opportunities and Challenges of Adaptation and Mitigation, environment economics and accounting, Green GDP, and Carbon Financing topical themes for the last several years..

Capacity Building and training



Major Projects

There needs to be a dedicated finance mechanism which shall help mitigate the conflicts and lead to coexistence and harmony amongst forest fringe communities and wildlife. Thus, the group initiated a voluntary carbon market project for Sundarban Tiger Reserve in India to generate additional finance and use it for community development and biodiversity conservation activities. This will result in adaptation and enhancing carbon sequestration as well as reducing pressure on forests from unsustainable collection of NTFPs through sustainable management and exploring alternative fuel in and around the Tiger Reserve.



Obtaining Carbon finance from Protected Areas in Sundarban Tiger Reserve

With possibilities of accessing carbon based financing from forestry activities, the group has organised a capacity building and training program for the Chhattisgarh, Uttarakhand, Punjab, Goa, Assam, and Maharashtra Forest Department for assessment of the carbon stocks of forests. The intent of the program is to help the forest department evaluate the quality of forests and accordingly determine the future course of action for improvement of forest cover.

Training and Capacity building of Forest Department



- Architectural Services for Implementation of Rehabilitation activities of Red Mud Dumping Areas into Green belt at Hindalco, Muri
- Rehabilitation plan for converting red mud dump into green cover through ecological interventions at Hindalco, Renukoot-
- Reclamation of back filled Bauxite Mine Dump at Lohardaga, Jharkhand
- Rehabilitation of Red Mud Ponds at Indian Aluminium Co. Ltd, Belgaum, Karnataka
- Reclamation of Red Mud Dumps at HINDALCO, Muri, Jharkhand
- Rehabilitation of Iron Ore Mining Dumps at Dhabadaba Mining Operations, Bicholim, North Goa
- Reclamation of Mine-degraded Lands of Vastan Lignite Mine, Surat, Gujarat
- Rehabilitation of Limestone Mines, Mussoorie Hills, Uttarakhand.

Reclamation of Mines through Afforestation activities



The group is involved in executing training and capacity building and income generation programs for farmers and village community on SRI method over conventional method of paddy cultivation, Fishery, Bakri palan, Bamboo handicraft, Dona plate, Lac cultivation, Mushroom cultivation, Agriculture productivity enhancement, Agroforestry and Minor Forest Produce.



Awareness, exposure visit and training and Capacity building program for farmers and village community

The Area works on various institutional issues relating to participatory forest management, and has major interests in the study of forest-based livelihoods and benefit-sharing at the community level. At present, the area has successfully implemented a programme on Agriculture, Greening, Training, Capacity Building, and Income Generation Activities supported by Coal India Ltd. The project aimed at improving the socio-economic conditions of 1,250 farmers and village community covering 10 villages in the Neturia Block of Purulia District of West Bengal through training, capacity building and innovative income generating activities.



Participatory Forest Management



No.	Duration	Dates	Title of Course	Participants
1	5 Days	6-10 Sept., 2021	Developing Green Climate Finance Project for Forest Development : National & Global Case Studies	IFS Officers
2	2 Fays	29-30 Sept., 2021	The Road to COP of UNFCCC - Global initiatives by India, G-7 & G-20	IFS Officers
3	5 Days	26-30 Oct., 2020	Forest and Climate Change: Opportunities and Challenges of Adaptation and Mitigation	IFS Officers
4	5 Days	5-9 Sept., 2019	Forest and Climate Change: Opportunities and Challenges of Adaptation and Mitigation	IFS Officers
5	5 Days	6-10 August, 2018	Forest and Climate Change: Opportunities & Challenges of Adaptation & Mitigation	IFS Officers



Funding agencies and Networks

- State Forest Departments
- Ministries –MoEF&CC
- Corporates –Hindalco industries Ltd., Coal India Limited, VNV advisory, NACIL,
- Research Institutes & Universities- Univ. of Guyana, Birsa Agriculture University, Institute of Forest Productivity

MOUs

- MoU with NALCO
- MoU with Value Network Ventures Advisory Services Pvt. Ltd.

Policy Products- Innovative financial mechanism for sustainable forest management leading to NDC target.

Our Services

Training and demonstration of techniques for various stakeholders to improve execution capabilities

Consultancy in developing closure plan for mines

Architectural services for implementation of mine rehabilitation activities

Estimation of Carbon stocks and other co-benefits

Case Studies and manual

- Mitigating Climate Change and Enhancing Income of Forest Dependent Communities through Carbon Finance Mechanism - A/R CDM Projects in Uttar Pradesh: A Case Study of Jhansi
- Training manual on carbon stock assessment of forests capacity building of the Chhattisgarh forest department
- Handbook of Closure plan – Implementation of Rehabilitation Activities for converting Red mud pond into Green Belt at Hindalco, Muri, Jharkhand
- Manual on Teri's Experience on Rehabilitation & Reclamation of mine wastes and Abraded mines

CONTACT INFO:

Director: Dr J.V. Sharma
E mail: jv.sharma@teri.res.in
Land Resources Division

Centre for Sustainable Land Management
Area Convenor: Dr. Syed Arif Wali
E Mail: syed@teri.res.in

TERI, Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi – 110 003, INDIA
Tel: (+9111) 2468 2100 and 2468 2111, Fax (+91 11) 2468 2144 and 2468 2145