

India Gandhi National Forest Academy

P.O. New Forest, Dehradun-248006

***Approved Contents of
Module on Forests & Climate Change
for IFS (Probationers)***

Proposed Contents

1. Introduction to Science of Climate change
 - Climate systems.
 - Carbon cycle.
 - Changes in climate observed to date.
 - Projected changes at global level.
 - Projected changes for India.
 2. Global response to Climate Change
 - UNFCC.
 - Kyoto Protocol.
 - Clean Development Mechanism (CDM).
 - Kyoto Protocol-2.
 3. National response to Climate Change
 - National Action Plan on Climate Change.
 - State Action Plans on Climate Change.
 - India's National Communications.
 4. Forests and Climate Change
 - Forest sector as a source of GHGs.
 - Likely impacts of Climate Change on forests of India.
 - Some recent evidences of impacts of changing climate on forests.
 5. Mitigation role of Forests.
 - Carbon sequestration as forest ecosystem service.
 - Mitigation potential of tree plantations.
 - Requirements, procedures and challenges of forestry CDM projects.
 - Quantifying forest carbon.
 6. REDD-plus
 - REDD & REDD-plus.
 - REDD-plus framework
 - Issues and challenges on REDD-plus including MRV.
 - Operationalizing REDD-plus in India.
 - Green India Mission.
 7. Adaption issues for Forest Sector
 - Vulnerability of forest sector.
 - Introduction to adaption.
 - Adaption strategy.
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