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.