



**Proposal for Establishment of  
Centre of Excellence  
in  
Forest Survey of India**



**Forest Survey of India  
(Ministry of Environment, Forests & Climate Change)**

**Dehradun**



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**Table 2: Requirements of funds for five years for Climate & Carbon Study**

Activity	Years					Total for 5 years
	2023-24	2024-25	2025-26	2026-27	2027-28	
<b>A. Survey and mapping</b>						
a1. Inventory of Forest and TOF (approx. Rs 9700 per plot for 16500 plots/year)	1600	1600	1600	1600	1600	8000
a2. Capacity Building of field staff	5	5	5	5	5	25
a3.Engagement of scientific staff (4 No*1,00,000*12 months)	48	48	48	48	48	240
a3. Procurement of hardware and software and data analysis	214	214	214	214	214	1070
a4. Report writing and Publication	5	5	5	5	5	25
a5. Miscellaneous expenditure	50	50	50	50	50	250
<b>Total for survey and Mapping</b>	<b>1922</b>	<b>1922</b>	<b>1922</b>	<b>1922</b>	<b>1922</b>	<b>9610</b>
<b>B. Climate Change</b>						
b1. Field Survey and data collection	40	40	40	40	40	200
b2. Capacity Building of field staff	5	5	5	5	5	25
b3.Engagement of scientific staff (4 No*1,00,000*12 months)	48	48	48	48	48	240
b3. Procurement of hardware and software	100	100	100	100	100	500
b4. Report writing and Publication	5	5	5	5	5	25
b5. Miscellaneous expenditure	50	50	50	50	50	250
<b>Total for Climate Change</b>	<b>248</b>	<b>248</b>	<b>248</b>	<b>248</b>	<b>248</b>	<b>1240</b>
<b>Grand total for Survey&amp; mapping andClimate Change</b>	<b>2170</b>	<b>2170</b>	<b>2170</b>	<b>2170</b>	<b>2170</b>	<b>10850</b>

The total funds required for this activity for five years will be Rs. 10,850.00 lakhs.

## 4.2 e-Greenwatch

### 4.2.1 Introduction:

As per the guidelines on the State CAMPA issued by the MoEFCC on July 2<sup>nd</sup> 2009, the Hon'ble Supreme Court ordered the Ministry to develop "an independent system for concurrent monitoring and evaluation of the works implemented in the States utilizing the funds available will be evolved and implemented to ensure effective and proper utilization of funds."

With this in view, the e-Greenwatch portal has been developed by NIC in consultation with the MoEFCC, FSI and State Forest Departments. It is an integrated system to facilitate management and monitoring of all plantation and other activities being carried out by the State Forest Departments (SFDs) using CAMPA funds. The project was initiated with 5 pilot states viz. Andhra Pradesh, Karnataka, Madhya Pradesh,

Sikkim and Tripura in nearly mid of 2012. “**The e-Green Watch** is a web-based, user friendly online monitoring system. It is an integrated portal (<http://www.egreenwatch.nic.in>) for monitoring of plantations and assets created under CAMPA.”

At present 32 States/ UTs are linked to the e-Green Watch portal. The application is capable of monitoring of following five categories of CAMPA activities:

1. **Compensatory afforestation Land (CA sites)** - Land received as a compensation of forest land diversion for non-forest activities.
2. **Diverted land (DL)** - Forest Land diverted for non-forest activities.
3. **Plantation work (PW)**- Plantation work carried out on CA sites
4. **Other Plantation Work (OPW)**- Plantation work carried out on Non- CA sites
5. **Assets** - All other expenditures other than plantation work comes under assets category.

**Key features of e-Greenwatch portal:** An integrated online system that is transparent, reliable and accountable

1. Presents the data in real time and accessible to all stakeholder and public at large.
2. Allows online monitoring and evaluation of CA and other activities under CAMPA.
3. Very high resolution imageries on Google Earth are used for monitoring
4. Facilitates two-way communication between SFDs and FSI

FSI is carrying out analysis and monitoring of polygons uploaded by SFDs/UTs on e-Green Watch portal and the same is downloaded in KML format. Polygons are analyzed using Google Earth imageries and accordingly comments (Correct, Incorrect and unascertainable) are given for each category of activities. Commenting is a two-way system in which SFDs/UTs can re-comment on FSI comments on the web portal. Performance reports are generated online and sent to the Ministry on monthly basis

#### **4.2.2 Current Status:**

Till January, 2023, FSI has analyzed 1,82,294 polygons under fresh category and 1,13,196 under revisited category, from 32 States/UTs and the details are given in the table. Total uploaded polygons till January, 2022 are 2,33,905.

**Table 3: e-Greenwatch Report till January 2022**

S. No	(1)	(2)	(3)	(4)
<b>Category</b>	<b>Total Polygons analyzed</b>	<b>Correct</b>	<b>Incorrect</b>	<b>Unascertainable</b>
	1,82,294	41,378	81,134	59 782

**4.2.3 Activities to be done:**

The present activities of monitoring of plantations and other activities will be continued. For this the financial requirement is given below.

**Table 4: Requirements of funds from 2023-24-2028-2029 for e-Greenwatch Activities:**

Sl.No.	Item	Person	Amount (INR)
1	Wages for contractual staff engaged for e-Green Watch for 5 Years including current year  (20 No*Rs. 29255/month*12 months *5 years (including 10* increase in the wages)	20	4,28,64,677
2	IT cost which is not included in the earlier scheme including High end PC, Printer, Cartridge Furniture etc.	Lump sum	50,00,000/-
3	Maintenance of existing e-Green Watch Portal	One time	50,00,000/-
4.	Payment of two experts hired at SU Division, MoEF & CC* 2 No Rs. 59, 135 *12* 5 years (with 10 * increase in every two years)	2	78,42,197/-
5.	Contingencies @5% of above items 1, 2 & 3	-	24,86,670/-
<b>Budget requirement for 5 years ( 2023-24-2028-29) including current year requirements</b>			<b>6,31,93,544/-</b>

**\*as per the SU division letter No. E.F. No. 17-4/2022-SU dated 16<sup>th</sup> March, 2023, two experts are to be hired from the outsourcing agency of FSI to examine the proposals received from States, Institutions and organisation for CAMPA funding (which may be increased by 10% after satisfactory performance on continuously completion of two years as an experts)**

**Total amount required for 5 years is nearly Rs. 632 lakhs**

**4.3 WEB GIS based Decision Support System (DSS) for Forest Clearance**

**4.3.1 Introduction:**

Hon'ble Supreme Court of India, in Lafarge case (Lafarge Judgement of Hon'ble SCI in IA 1868 of 2007 CWP 202 of 1995), dated 6/07/11 directed MoEFCC to develop a Web based GIS system for speedy disposal of cases related to FC Act, 1980 and other applications. Subsequently, the Decision Support System (DSS) was launched in Nov 2014. The server of DSS portal is hosted at FSI HQ, Dehradun, which is