

37
379

A G E N D A

1st Meeting of Executive Committee of National Authority

12:00 noon: Friday 8th March, 2019

Venue: Krishna Conference Hall

4th Floor, Jal Wing,

Ministry of Environment, Forest & Climate Change,

Indira Paryavaran Bhavan, Aliganj, Jor Bagh,

New Delhi – 110 003.

380

AGENDA NOTE

1st Meeting of Executive Committee of National Authority12:00 noon Friday on 8th March, 2019

Sl. No.	Agenda items	Page No.
1	Agenda Item No. 1: Strengthening Forestry Research for Ecological Sustainability and Productivity Enhancement - ICFRE	
2.	Agenda Item No.2: Monitoring Protocol for Plantations and Assets Created by State Forest Departments (SFDs) from the Compensatory Afforestation Fund by FSI, Dehradun	
3.	Agenda No. 3: Annual Plan of Operation for the year 2019-20 of Chandigarh.	
4.	Agenda No. 4: Annual Plan of Operation for the year 2019-20 of Haryana	
5.	Agenda No. 5: Annual Plan of Operation for the year 2019-20 of Tripura.	
6.	Agenda No. 6: Examination and approval of ongoing schemes funded by Adhoc CAMPA approved by National CAMPA Advisory Council (NCAC)	
	A. National Program for Conservation and Development of Forest Genetic Resources	
	B. UNESCO Category 2 Centre (C2C) on Natural World Heritage Management and Training for the Asia Pacific Region	
	C. Endangered Species Recovery Programme	
	D. Centre of Excellence for Forest-Based Livelihoods in Uttarakhand, Uttarakhand State Council for Science & Technology, Dehradun (UCOST)	

Agenda No. 1: Strengthening Forestry Research for Ecological Sustainability and Productivity Enhancement - ICFRE

Indian Council of Forestry Research and Education (ICFRE) submitted comprehensive proposal for funding from National Compensatory Afforestation Fund for executing the scheme "Strengthening Forestry Research for Ecological Sustainability and Productivity Enhancement". The objectives of the scheme are as under:-

- a. To undertake research aimed at enhancing the health and productivity of natural forests and plantations for augmenting ecosystem goods and services.
- b. To undertake research aimed at efficient and sustainable resource use through value addition and development of appropriate technologies.
- c. To establish a comprehensive national programme for conservation and development of Forest Genetic Resources.
- d. To undertake policy research in forestry sector to analyze the policy gaps and determine concordant policies.
- e. To undertake capacity building programmes for stakeholders, including forestry personnel, communities, tree growers and forest based industries.
- f. To undertake an exclusive outreach programme taking research and technology to users through a comprehensive extension strategy.

2. The scheme has the following six components:

- (i) All India Coordinated Research Projects (AICRPs) ;
- (ii) National Programme for Conservation and Development of Forest Genetic Resources (FGR) ;
- (iii) Policy studies under Centre for Forest Policy Research ;
- (iv) Capacity Building of State Forest Departments for developing "State REDD + Action Plans" under National REDD + Strategy;
- (v) Operationalization of Forestry Extension Strategy and Action Plan of ICFRE ;
- (vi) Operationalization of Human Resources Development Plan of ICFRE.

3. The scheme will be implemented by ICFRE Institutes and by networking with other domain expert institutes in the country. The scheme and its components are so designed to help in addressing the issues of ecosystem improvement with focus on improving productivity of important species including bamboo, seed technology, bio-prospecting, fodder, fuel wood, invasive, soil health, forest fire, water and nutrient budgeting, climate change mitigation, carbon sequestration, capacity building, forest resource conservation, besides improving livelihoods.

4. The scheme is proposed for a total budget of Rs.313.67 crores for a period of 5 years (60 months), i.e. from 2018-19 to 2014-25. The year wise projections of budget of the components is as under –

Sl. No.	Component	Project Year (5 years)					Total (in Lacs)
		1 st year	2 nd year	3 rd year	4 th year	5 th year	
1.	All India Coordinated Research Projects (AICRPs)	5565	5126	3511	2812	2739	19800
2.	National Program for conservation and development of FGR	2406	842	711	634	605	5199
3.	Studies by Center for Forest Policy Research (CFPR) of ICFRE	114	53	53	53	53	326
4.	Capacity building of State Forest Departments for developing "State REDD+ Action Plans".	56	64	-	-	-	120
5.	Operationalization of Human Resource Development Plan of ICFRE	41	308	287	249	248	1134
6.	Operationalisation of Forestry Extension Strategy and Action Plan for ICFRE	1056	818	978	938	998	4788
	Total	9239	7211	5504	4685	4643	31367

5. In the proposed scheme each programme / sub-programme is output driven and is of 3-5 years duration regress monitoring of the programme will be done by the ICFRE by involving domain experts. There will also be a mid-term evaluation by MoEF&CC from external experts.

The above scheme is placed before the Executive Committee of National Authority for examination and consideration.

Agenda Item No.2: Monitoring Protocol for Plantations and Assets Created by State Forest Departments (SFDs) from the Compensatory Afforestation Fund by FSI, Dehradun.

Compensatory Afforestation Fund Act, 2016 and Compensatory Afforestation Fund Rules, 2018 envisage third party monitoring of plantations and activities implemented by the State Forest Departments (SFDs) utilizing the funds sanctioned from the Compensatory Afforestation Funds by MoEF&CC, Govt. of India as per the approved Annual Plan of Operations (APOs) of the SFDs. In the meeting held on 31st August, 2018 under the chairmanship of DGF&SS it was decided that Forest Survey of India will develop and implement a monitoring protocol to meet the above stated monitoring requirement, following a scientific approach.

1.1 Objectives of monitoring

- i. to monitor plantations raised under the APOs from CAMPA funds approved by MoEF&CC.
- ii. to monitor other assets and activities implemented under the APOs.
- iii. assess relevant parameters such as survival percentage and growth of plantations.
- iv. to create a transparent monitoring platform accessible to different stake holders.

1.2 Scope of monitoring of Plantations

- i. location and extent of plantations (area)
- ii. estimate of species wise planted saplings
- iii. estimate of survival percentage
- iv. assess social & ecological impacts of the raised plantations

1.3 Scope of Monitoring Assets / Other Activities

- i. Physical status of the activities/assets.
- ii. Dimension/Extent/Quantum describing implemented work
- iii. General assessment about the quality of implementation and its effectiveness

2. Framework of monitoring process

The monitoring process will involve the following steps.

1. FSI will develop a Web-GIS based platform dedicated for the above monitoring purpose appropriate to meet the requirement and adequately scalable to meet future requirements. The Web-GIS platform will include application for automatic processing of data and statistical analysis.
2. Each (SFDs) will upload information about each activity implemented under the approved (APOs) as per the prescribed forms and schedule including photographs, latitude and longitude of the place of execution.
3. Each activity will be identifiable by an ID created by the system. Plantations and other activities will be assigned separate sets of IDs.

4. Using stratified random sampling design, the IDs of the plantations and other activities would be selected by the software with a given sampling intensity for each State.
5. For plantations, strata would be in terms of geographical spread, age and size of plantations (area).
6. IDs of the selected samples for plantations of a State would then be assigned to the respective Regional Office of FSI for field data collection on the plantation sites selected in terms of IDs in the sample. The plantation sites would be reached using latitude-longitude with the help of GPS.
7. Field data would be collected on pre designed forms either in hard copies or on PDAs/ Mobiles in soft copy format using server based application.
8. An on-line Plantation Journal will be tagged with each Plantation Id on the Web GIS Platform. Uploading of required information and regular updation will be the responsibility of the SFDs.
9. An annual calendar would be drawn for the above steps. Sampling of the plantations will be done annually after the planting season.
10. Data entry (or automatic capture through PDAs/Mobile) and data processing on the Web-GIS platform will lead to Statewise report.
11. All the plantation locations, polygons, photographs uploaded by the SFDs along with data collected for monitoring will be available for viewing to the officials as per the authorisation schedule.
12. A mobile App to facilitate monitoring, access of information on raised plantations and crowd sourcing of ground truth will also be developed.

1.5 Web GIS Platform

A server based Web-GIS Platform dedicated for the above monitoring purpose will be developed by FSI. The platform will facilitate online data submission in real-time or near-real time from all the locations in the country. It will also have facility to do automatic data processing and generating reports. Server of the platform will be housed at the FSI Headquarters at Dehradun.

1.6 On-line Plantation Journal

- 1) A form of Plantation Journal would be automatically annexed with each plantation site uploaded on the system which will have to be filled up by the officials of SFDs.
- 2) The plantation journal will have all necessary details as outlined in the annexure V which will be updated from time to time.
- 3) There will be a system of on-line input of inspection note by senior of officials inspecting the plantations. The inspecting official will be able to upload the photograph of plantation taken at the time of inspection.
- 4) The On-line Journal will also have provision for automatic annexure of satellite image clip showing the synoptic view of plantations on high resolution satellite image for each year.
- 5) A template for the On-line Plantation Journal is given at Annexure III.

1.7 Overall Magnitude of Sampling

Monitoring of Plantations and assets under CAMPA will be based on a sample size of around 1500 polygons having average 3 plots in each polygon for the whole country every year, depending on the overall implementation intensity.

2. Sampling Design:

2.1 Plantations

- (i) State as a whole (for smaller States) or Circle (or cluster of districts), for large States would be taken as a unit for monitoring i.e. samples would be generated for each unit separately. The reason for not taking district as a unit is that each district may not have many plantations; some District/Division may not have even a single plantation.
- (ii) Plantations include all afforestation & reforestation works like assisted natural regeneration, planting in blank areas, enrichment planting etc.
- (iii) A stratified sampling approach would be followed for drawing samples of plantations (in terms of Ids) for each sampling unit separately. Stratification of the plantations would be done on terms of size of plantations (area).
- (iv) The selected samples will be distributed in different size classes following PPS approach (area proportion to size). Strata for different size classes would as follows:
 - I. 0 to 15 ha
 - II. 15 to 30 ha
 - III. 30 to 45 ha
 - IV. >45 ha
- (v) Sample size for data collection on the selected plantations in different years of creation would be as follows:
 - i. 1st year – 10%
 - ii. 2nd year – 10%
 - iii. 3rd year – 8%
 - iv. 4th year – 5%
- (vi) Samples would be generated following stratified random sampling approach with the help of software as per the above stratification scheme.
- (vii) Field observations for monitoring will be preferably taken during Oct to December.
- (viii) Data will be collected as per the forms annexure I using PDAs or in hard copy forms.
- (ix) Layout of the sample plots will be as per the annexure IV.

3.2 Assets & Other Works

- (i) A separate set of sample in terms of Ids of the activities uploaded by the SFDs on web GIS platform will be drawn for assets and other works implemented under the approved APOs from the CAMPA funds.
- (ii) This category of works will include all works other than plantations including nurseries.
- (iii) Stratified random sampling approach will be followed for this category of works as well.
- (iv) Stratification for the sampling would be done in terms of expenditure outlay of the works. Sampling intensity will be approximately 5%.
- (v) Collection of data for the monitoring of other activities on the identified sample IDs would be done using the form given at Annexure III.

3. Budget Outlay

(a) Capital Expenditure on Infrastructure (one time)

Sl. No.	Item	Amount (in lakh Rs.)	Remarks
1.	Construction of a small separate building of Center for Monitoring of Plantations at the FSI Hq.	300.00	The space in the existing building has saturated. It is proposed to build an Annexure to house the proposed Center (approx. 6000 sq. ft floor area)
2.	Establishing a Dedicated Web GIS Platform	100.00	
3.	Furnishing Computers and other equipments	100.00	Including PDAs
4.	Field vehicles in zonal offices of FSI	64.00	2 vehicles in each zone of FSI.
5.	Miscellaneous	50.0	
6.	Total	614.00	

(b) Annual Expenditure

Sl. No.	Item	Amount (in lakh Rs.)	Remarks
1.	Data Collection on approximately 2500 sample points of monitoring @ Rs. 12000 per sample point	300.00	Amount includes wages of contractual employees, TA and DA of the dedicated crews for the purpose to be created in each Zone. Includes Sample points to be covered by ICERE.
2.	Very High Resolution Satellite Data	300.00	IRS Cartosat PAN and multispectral or Cartosat PAN sharpened LISS IV. Data will be procured from NRSC.
3.	Data Entry. Processing and Analysis	50.00	
4.	Report Preparation	30.00	
5.	Miscellaneous	20.00	
	Total	700.00	

The above scheme of Rs.1314.00 lakhs is placed before the Executive Committee of National Authority for examination and consideration.

Agenda No. 3: Annual Plan of Operation for the year 2019-20 of Chandigarh.

Vide letter dated 07.12.2018, Department of Forests and Wildlife, Chandigarh Administration has submitted Annual Plan of Operation of State CAMPA/State Authority for the year 2019-20, with an outlay of Rs.1.874 crores. The APO has been approved in the meeting of the State level Steering Committee held on 05.07.2018.

2. The APO for the year 2019-20 of Rs. 1.8749 crore is approved by Steering Committee of State CAMPA, Chandigarh under Compensatory Afforestation and Maintenance of plantation for Chandigarh Range and Nepli Range.

4. The APO of Rs.1.8749 crore for the year 2019-20 is placed for examination and consideration of Executive Committee of National Authority.

Agenda No. 4: Annual Plan of Operation for the year 2019-20 of Haryana

Vide letter dated 22.01.2019, Haryana CAMPA (State Authority), Panchkula has submitted Annual Plan of Operation of State CAMPA/State Authority for the year 2019-20. The APO of Rs.9684.94 lakhs has been approved in the meeting of the State level Steering Committee held on 08.02.2019. The approved component details are as under:

(i)	CA fund	:	Rs.4304.92 lakhs ;
(ii)	NPV money	:	Rs.4800.27 lakhs ;
(iii)	Interest money:	:	Rs. 579.75 lakhs.
	Total	:	Rs.9684.94 lakhs.

2. (i) Proposal under CA component:

- Maintenance of CA plantation (a provision of Rs.2104.92 lakh for maintenance of plantation raised in previous years).
- New work of CA plantation will be covered under CA fund (Rs.2200.00 lakhs for new CA works).

(ii) Proposal under NPV Component:

- Maintenance of NPV plantation- Rs.2014.27 lakhs for maintenance of 6920.00 ha plantation raised from NPV funds for new NPV plantation.
- Plantation of tall plants in linear and block forest etc. (Rs.1000.00 lakh for plantation with provision of barbed wire fencing in linear and block forests),
- Plantation of Native Species for block forest area which was having salt affected soils and planted with Mesquite and Eucalyptus for soil reclamation and Rs. 336.00 lakhs for 100.00 ha plantation, installation of tube-wells and fencing.
- Modernization of 25 nurseries during 2019-20 for a cost of Rs.250 lakhs.
- For wildlife conservation and management works an amount of Rs.500.00 lakh for habitat improvement and infrastructure development works, development of Snake Park and Elephant Rescue Centre.
- For Research, Seed Collection, Publicity cum Awareness Generation, Training & Education a provision of Rs.200.00 lakh has been kept.
- For Soil & Moisture Conservation Activities a provision of Rs.500.00 lakh for upper reaches of Yamuna River Basin falling in Haryana.

(iii) Proposal for expenditure from interest money:

- An amount of Rs.125.00 lakh was approved to meet the expenditure in respect of pay and allowances of Officers/Officials of State Authority.

- An amount of Rs. 15.00 lakhs for hiring of vehicle/staff cars of the Officer for the State Authority.
- An amount of Rs.25.00 lakh was proposed for management of offices establishment/office expenditure of State Authority.
- An amount of Rs.10.00 lakh was proposed for hiring office space for State Authority.
- For 3rd Party monitoring and evaluation an amount of Rs.20.00 lakh was proposed.
- Provision to offset the incremental cost of CA at the increased wage rate an amount of Rs.384.75 lakhs (@ 5% escalation) was proposed (wages rates are generally revised by the State Labour Department twice in a year).

3. The APO 2019-20 of Rs. 9684.94 lakhs is placed before Executive Committee of National Authority for examination and consideration.

Agenda No. 5: Annual Plan of Operation for the year 2019-20 of Tripura:

Vide letter dated 07.02.2019, Department of Forests, Government of Tripura, Agartala has submitted Annual Plan of Operation of State CAMPA/State Authority for the year 2019-20. As per the minutes of the Steering Committee an amount of Rs.1674.08 Lakhs, has been approved the APO has been approved in the meeting of the State level Steering Committee held on 29.12.2018 for an amount of Rs. 1674.08 lakh as per the following break-up:

CA (Compensatory afforestation) related activities : Rs. 661.99 lakhs
 NPV (Net Present Value) related activities : Rs. 928 lakhs
 Other than CA & NPV related activities : Rs.084.09 lakhs

2. The APO has also mentioned Rs. 15.00 lakhs in Nagar Van Udhyan Yojna. This has come under ongoing scheme of National Authority, therefore, after deduction Rs. 15.00 lakhs the APO comes out to be Rs. 16.59 crores for year 2019-20.

4. The items which are to be taken under interest head, are kept in provision of NPV head, like- other support, Capacity building for monitoring with the District Forest Officer through video conferencing Rs. 13.50 lakhs, Office Support: Rs. 52.60 lakhs and Evaluation of works taken up under CAMPA during 2018-19: Rs. 4.00 lakhs.

5. The APO for year 2019-20 of Rs. 16.59 crore is placed before Executive Committee of National Authority for examination and consideration.

Agenda No. 6: Examination and approval of ongoing schemes funded by Adhoc CAMPA approved by National CAMPA Advisory Council (NCAC)

A. National Program for Conservation and Development of Forest Genetic Resources

Project proposal entitled "National Program for Conservation and Development of Forest Genetic Resources: Pilot Project Proposal is being implemented at FRI, Dehradun" from assistance out of the corpus available with the NCAC.

2. The objectives of the project are-

- Preparation of comprehensive inventory with population and threat status of 250 FGRs of Uttarakhand.
- Preparation of priority list of FGRs with road map for their conservation and development with eco-distribution maps of 50 priority FGRs.
- Collection and depositing of seed of 100 FGR species in Seed Banks towards medium and long-term conservation.
- Evaluation and molecular characterization of 5 important FGRs of commercial importance.
- Studying of genetic diversity and population structure of 5 important FGRs and initiation of their *in situ* conservation measures.
- Establishment of Field Gene Banks of 10 FGR species of high conservation & commercial importance.
- Protection of Indian FGR diversity through registration of specific landraces, varieties, clones, etc.
- Producing starting planting material of at least 10 important phenotypically superior tree species for providing to SFDs for further multiplication for plantation programs.
- Developing well studied, systematic and sustainable protocols for utilization of forest genetic resources for supporting livelihoods.
- Development of comprehensive computerized database on FGR of Uttarakhand.

The project is for a period of five years (2016-2020) with an outlay of Rs. 861.20 lakhs. The project was started in 2016. The progress report of the project upto quarter ending June, 2018 has been submitted by the FRI.

The budget released for the project from 2016 till date is as under:-

Year	Amount released (in Rs.)	Instalment
2016	1,46,25,000.00	1 st
2017	1,46,25,000.00	2 nd
2017	2,45,00,000.00	3 rd
2018	1,27,05,000.00	4 th

The matter is submitted before the Executive Committee of the National Authority for consideration of release of Rs. 109.45 lakhs for the year 2019-20.

...

...

...

...

...

...

...

...

...

...

...

...

B. UNESCO Category 2 Centre (C2C) on Natural World Heritage Management and Training for the Asia-Pacific Region

The project is for operationalization of UNESCO Category 2 Centre (C2C) on Natural World Heritage Management and Training for the Asia-Pacific Region at Wildlife Institute of India, Dehradun for funding of Rs. 18.66 crore over the period of six years (2013-14 to 2018-19).

The Centre's mission is to strengthen implementation of world heritage convention in Asia and the Pacific Region by building the capacity of all those professionals and bodies involved with world natural heritage site inscription protection, conservation and management in Asia and the Pacific region, through training, research, dissemination of information and net work building. The overall objective is to focus on natural heritage conservation issues with the aim to:

- Contribute to the strengthening of capacities in the management of Natural World Heritage in the region;
- Contribute to achieving a more balanced representation of properties from Asia and the Pacific on the World Heritage List;
- Raise awareness among the general public and the youth in particular of the importance of Natural World Heritage and the need to protect it; and
- Foster international cooperation on Natural World Heritage initiatives.

The detail of fund released to Wildlife Institute of India is as under:

Year	Amount released (in Rs.)	Instalment
2014	1,00,00,000.00	1 st
2015	2,47,37,000.00	2 nd
2017	2,25,00,000.00	3 rd
2018	2,25,00,000.00	4 th

The matter is submitted before the Executive Committee of the National Authority for consideration and approval of Rs. 349.93 lakh for the year 2019-20 as per the approved scheme.

C. Endangered Species Recovery Programme

The project for Endangered Species Recovery Programme (ESRP) in respect of four endangered species, i.e., Great Indian Bustard, Genetic Dolphin, Dugong and Manipur Deer was approved with budget outlay of 100.38 crore from 2015-2021. The detail of the projects and releases are as under:-

(Rs. in crore)

Sl. No.	Name of the project	Duration of the project	Total five years cost	Amount released (1 st instalment in year 2015)	Amount released (2 nd instalment)
1.	Habitat improvement and conservation breeding of the Great Indian Bustard: An integrated approach	5 years	33.85	9.95	
2.	Development of Conservation Action Plan for River Dolphins	5 years	23.00	4.60	4.60
3.	Recovery of Dugong and their habitats in India: An integrated participatory approach	5 years	23.58	5.17	
4.	Conservation of Manipur's Brow Antlered Deer or Sangai: An integrated approach	5 years	19.95	1.30	4.90

The 2nd instalment for Development of Conservation Action Plan for River Dolphins and Conservation of Manipur's Brow Antlered Deer or Sangai projects of Rs. 4.6 crore and Rs. 4.9 crore has already been released.

The matter is submitted before the Executive Committee of the National Authority for consideration and approval of Rs. 4.009 crore for recovery of Dugong and their habitats in India and Rs. 7.16 crore for habitat improvement and conservation breeding of the Great Indian Bustard for the year 2019-20 as per the approved scheme.