

National Compensatory Afforestation Fund Management and Planning Authority
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F. No. 11-100/2015-FC

Dated: 28th March, 2019.

NOTE

A copy of 1st meeting of Executive Committee of National Compensatory Afforestation Fund Management and Planning Authority held on 08th March, 2019 under the Chairmanship of Director General of Forests & Special Secretary / Chairman, Executive Committee, Ministry of Environment, Forest and Climate Change is enclosed for information and necessary action.

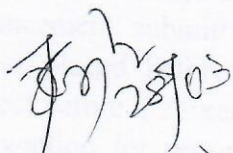
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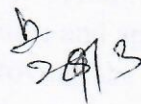

(D.K. Sinha)

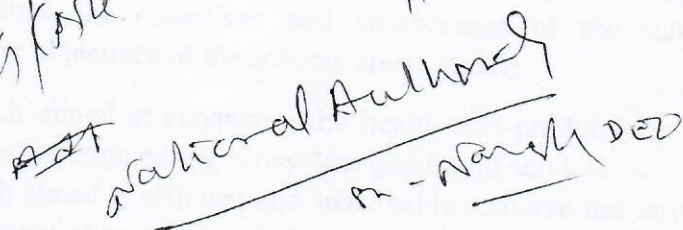
Inspector General of Forests (SU)-cum-
Jt. Chief Executive Officer, National Authority

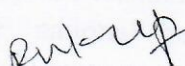
Distribution:

1. Director General of Forests and Special Secretary, Ministry of Environment, Forest and Climate Change, Government of India – Chairperson.
2. Additional Director General of Forests (Forest Conservation), Ministry of Environment, Forest and Climate Change, Government of India – Member.
3. Additional Director General of Forests (Wildlife), Ministry of Environment, Forest and Climate Change, Government of India – Member.
4. Mission Director, National Mission for a Green India, Ministry of Environment, Forest and Climate Change, Government of India – Member
5. Financial Adviser, Ministry of Environment, Forest and Climate Change, Government of India - Member
6. Head of all Regional Offices of the Ministry of Environment, Forest and Climate Change.
- ✓ 7. Inspector General of Forests (Forest Conservation), Ministry of Environment, Forest and Climate Change, Government of India – Member.
8. Chief Executive Officer of the National Authority – Member Secretary.
9. Guard file.


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National Authority
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Ruler up

Minutes of 1st Meeting of Executive Committee of National Authority held at 12.00 noon Friday on 8th March, 2019

Chairman welcomed all participants present in the first meeting of the Executive Committee. A list of participants is at Annexure-I and the quorum was complete.

The Member Secretary briefed the functions and duties of the Executive Committee of the National Authority to the members present in the meeting. It was informed that the process of appointment of non-official members of the Executive Committee is in progress. The recommendations for candidates have been received and the last date for receipt of the recommendations is 14th March, 2019 and the screening will be done thereafter for preparation of panel for appointment by the Ministry as per the rule 15 of the CAF Rules 2018.


The Member Secretary informed that section 15 provides the functions and duties of the Executive Committee are under:

15. (1) The executive committee of the National Authority shall—
- i. approve within three months from the date of receipt, annual plan of operations of State Authorities, with such amendments as it deems fit and proper;
 - ii. formulate proposals for schemes specified in sub-clause (iii) of clause (b) of section 5;
 - iii. execute schemes specified in sub-clause (iii) of clause (b) of section 5;
 - iv. deploy staff on contract or on deputation basis to the posts in the National Authority;
 - v. formulate proposals for creation of posts in the National Authority at the level of Assistant Inspector General of Forests and other officers;
 - vi. invest surplus amounts available in the National Fund;
 - vii. execute other day-to-day work in respect of receipt of amounts in the National Fund;
 - viii. maintain books of account and such other records;
 - ix. facilitate scientific, technological and other assistance that may be required by State Authorities;
 - x. present its decisions to the governing body of the National Authority for information;
 - xi. maintain and update a public information system on the National Authority and present all information on its transaction in the public domain;
 - xii. undertake any other work as may be assigned by the governing body of the National Authority or the Central Government, from time to time.

The following agenda items related to sub section 15(1)(i) and 15(1)(ii) only referred above were considered in the meeting.

Agenda Item No. 1 (New Scheme): Strengthening Forestry Research for Ecological Sustainability and Productivity Enhancement – ICFRE

The project proposal for strengthening Forestry Research for Ecological Sustainability and Productivity Enhancement submitted by Indian Council of Forestry Research and Education (ICFRE) was placed before the Executive Committee. DG, ICFRE made a presentation of the project before the Executive Committee and apprised that the scheme will provide scientific intervention for restoring and improving the eco-system services. DG, ICFRE apprised the Committee the objectives and components of the schemes and deliverable of the schemes. 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.
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- 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.

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.

The scheme will be implemented by ICFRE Institutes. The total budget of the scheme was proposed to be **Rs. 313.67 crore** to be spent for a period of 5 years starting in FY 2018-19.

After considering the various components the Committee recommended for approval of this new scheme of ICFRE. It was further recommended that mid-term review should be done by independent experts and the scheme should be reviewed accordingly. It was pointed out that the annual plan for 2018-19 may be reconsidered due to the fact that the proposal was placed in March, 2019. The whole financial outlay may be reworked and submitted for final approval by the National Compensatory Afforestation Fund Management and Planning Authority.

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

The Compensatory Afforestation Fund Act 2016 provides for the Constitution of Monitoring Group. The Ministry has assigned the responsibility to the FSI to develop the monitoring protocol for monitoring and evaluation of the works undertaken from Compensatory Afforestation Fund in the country.

The DG, FSI has submitted the scheme for **Rs. 13.14 crore** for developing monitoring protocol.

The following were explained by DG, FSI.

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.

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

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

The DG, FSI proposed the framework of monitoring process and explained that 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 State wise 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.

It was recommended that the scope of monitoring should be increased to the previous year plantation activities undertaken under CAMPA since beginning starting 1980. It was pointed out by some members that the fund for Compensatory Afforestation has been released since 2009 so the monitoring should be done for CA done after 2009. It was, however, agreed that the monitoring should be done for all plantations to have a database and also to ensure effective control. The financial requirement for this additional work may be worked out by FSI if required. The data of e-green watch may be incorporated with the web-

based GIS platform to be developed under this scheme and the new GIS platform should be user friendly and provide alerts in case of observation / data goes beyond critical limit.

Considering the components of proposal, the Committee recommended the scheme submitted by FSI with the observation to complete the works in time bound manner. The same will be put up to the National Compensatory Afforestation Fund Management and Planning Authority for final approval.

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

The Annual Plan of Operation of Chandigarh State Authority for 2019-20 was put up before the Executive Committee for examination and consideration. The Executive Committee considered and approved the APO of **Rs. 1.8749 crore** for the year 2019-20.

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

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

Additional Item No. 1: Annual Plan of Operation for the year 2019-20 of Madhya Pradesh

Additional Item No. 2: Annual Plan of Operations for the year 2019-20 Gujarat.

The APOs for Haryana, Tripura, Madhya Pradesh and Gujarat were placed for consideration of the Committee.

The AS&FA observed that the proposal / documents should be provided to members at least one week before the meeting for thorough examination. Other members also endorsed the views of AS&FA. It was recommended by the committee that the hard and soft copies of the APO should be provided to each member for their perusal. It was also observed by the ADG(FC) that these APOs should be examined by the concerned Regional Office and then discussed in the meeting. A letter to this effect may be sent to all the Regional Offices.

The Committee recommended to put up these APOs in the next meeting of Executive Committee after proper examination.

Agenda No. 6: Examination and approval of existing schemes funded by Ad-hoc CAMPA approved by National CAMPA Advisory Council (NCAC)

The member Secretary informed the Committee that the NCAC has approved following schemes implemented by various Institutions.

1. WII – UNESCO C2C Centre on world natural heritage management and tainting for the Asia Pacific Region at WII
2. WII – Conservation of Species
3. UCOST – Assistance to Uttarakhand Council for Science and Technology
4. FRI – Assistance to Centre of Excellence on Forest Genetic Resource
5. FSI – Support to FSI for Centre of Excellence/
6. FSI – Centre of Excellence – Part funding for forest fire monitoring project.
7. NICSII – e-Green Watch/Web based proposal monitoring system
8. IIFM, Bhopal – Support to Geo Informatics Centre

The following schemes were placed before the Executive Committee for consideration. Detailed presentations were made by the representatives of the Institutes implemented by the schemes.

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.

The objectives of the project are-

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

The project period is 2016-2020 with an outlay of **Rs. 861.20 lakhs**. So far Rs.664.55 lakh has been released under the scheme. The outlay for 2019-20 was proposed for Rs. 109.45 Lakh. The Committee after considering the scheme approved the continuation of Scheme and recommended for allocation of Rs. 109.45 Lakh for the year 2019-20 as per the approved scheme.

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

The total scheme was for **Rs. 18.66 crore** for a period of six years ending 2019.

The overall objective is to focus on natural heritage conservation issues with the aim to:

1. Contribute to the strengthening of capacities in the management of Natural World Heritage in the region;
2. Contribute to achieving a more balanced representation of properties from Asia and the Pacific on the World Heritage List;
3. 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
4. Foster international cooperation on Natural World Heritage initiatives

So far, **Rs. 8.9737 crore** has been released to Wildlife Institute of Indian under this project.

The WII informed the Committee that the period may be extended for three years from 2019 to 2022 with ‘no cost extension’ to complete the pending works.

The Committee examined the proposal and recommended for the proposed extension for three years with 'no cost extension' with suggestions to rework the annual financial requirement component wise without increase in cost. Committee also approved of Rs. 3.4993 crore for the year 2019-20.

The Committee recommended that a third party independent evaluation may be done by experts including the members of the Committee.

4 C. **Endangered Species Recovery Programme**


The WII informed that 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 in progress and a total outlay of **Rs.100.38 crore** has been sanctioned for five years (from 2015-2021).

The Committee observed that the implementation of the scheme is very slow. It was pointed out by AS&FA that similar programme for Great Indian Bustard is being implemented by State Government and the programme is being funded by MoEF&CC. It appears that there is some duplicity. It was explained by WII that these two programmes have different objectives and purpose and this programme is implemented from CAMPA fund. After examining the proposal the Committee recommended for the approval of the ongoing scheme and release of **Rs. 7.16 crore** for Habitat improvement and conservation breeding of the Great Indian Bustard and release of **Rs. 4.009 crore** for Recovery of Dugong and their habitats in India as per the approved scheme.

4 D. **Centre of Excellence for Forest Based Livelihoods in Uttarakhand, Uttarakhand State Council for Science & Technology, Dehradun (UCOST)**

The UCOST has informed that the scheme "**Centre of Excellence for Forest Based Livelihood**" is in progress and outlay of Rs. 45,25,150.00 per annum for a period of five years was approved.

The overall objectives of the project are-

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- a) To collect all the available data on forest based produce with focus on non-timber products like medicinal plants and bamboo and to create a clearing house for the same.
 - b) To create a resource directory of various government and non-government organisations, private institutes and experts working in the area of forest livelihood.
 - c) To interact with people through Focused Group Discussion (FGD) and to estimate their dependence on forests for their livelihood.
 - d) To conduct socio-economic analysis and estimate cultural dependence of the forest fringe villages on forestry.
 - e) To do value and supply chain analysis for different forest products.

So far an amount of **Rs. 135,75,450.00** has been released to UCOST under the scheme.

UCOST has proposed the budget for 3rd and 4th year of **Rs. 73,01,838.00** and **Rs. 69,56,838.00** respectively. UCOST informed the Committee that the increase of amount is due to following reasons

- (i) The salary budget of Senior Scientist and Scientists including DA @ 4% of the present scale and HRA @ 75% of the previous Grade Pay as are applicable on the date.
- (ii) HRA @ of 20% of SRF ship.
- (iii) For recruitment of two field assistants from 3rd year of the project.

The Committee examined the proposal and recommended continuity of this scheme approved by NCAC and increase in the outlay for 2018-19 and 2019-20 as proposed by the project proponent.

Additional Agenda Item-3: Establishing FSI Cell in Each State for Strengthening Monitoring and Forest Resource Assessment.

The scheme was submitted by the Forest Survey of India. DG, FSI has explained that State Forests Department (SFDs) are the major stakeholders of information generated by FSI. Almost every information generated by FSI is useful to SFDs particularly activities like Forest Fire, Forest Cover, Forest Types, Forest Inventory etc. are widely used by SFDs. Now with the implementation of Compensatory Afforestation Fund Act 2016 and Compensatory Afforestation Fund Rule 2018, the third party monitoring of plantations and activities implemented by SFDs utilizing the funds sanctioned from the Compensatory Afforestation Fund by MoEF&CC is proposed to be done by FSI. This will require very close coordination between FSI & SFDs and facilitation to SFDs on technical matters and methodology. The expert committee for formulation of Strategy to support additional carbon sink from forest and tree cover has also recommended creation of a FSI cell in each SFD for better coordination between FSI and SFDs. Accordingly, it is proposed that a FSI Cell is created in each State and selected UTs.

DG, FSI also explained the proposed functions of FSI Cell in the SFDs as under:-

1. Cell will act as a node for data exchange between SFDs & FSI.
2. All field activities will be coordinated with SFDs through FSI Cell.
3. For monitoring of plantations under CAMPA, all necessary inputs from SFDs will be obtained through FSI Cell.
4. FSI will also play an important role in imparting training on web based application like DSS, E-Green Watch, use of GPS, Forest Fire Monitoring at the state level and will also help SFDs in interpretation of FSI Data.
5. FSI Cell will also be a node for all web GIS services offered by FSI.
6. The cell will facilitate ground truthing of remote sensing based mapping activities of FSI, with the help of FSI cells in the States much higher intensity of ground truthing is possible.
7. Creation of FSI Cell will pave way for providing technical support to SFDs in preparation of Working Plans.
8. The cell will act as mini Training Center for the SFDs on geospatial technology applications and forest inventory and forest fire monitoring etc.
9. FSI cells in the State will facilitate implementation of State specific projects also.

The budget outlay proposed for the scheme is **Rs. 101.70 lakh** for one time expenditure on establishing FSI Cell (31 in number) and annual recurring expenditure of **Rs. 332.60 lakhs**.


The Committee examined the proposal and it was observed that the proposed cell will be responsible for uploading the shape files and coordinate with the State Forest Departments for uploading of other relevant data of the State for monitoring of the plantations and other activities undertaken under CAMPA and prepare reports for monitoring the progress in the work of assessment of forest wealth in the country.


The Committee recommended for approval of the scheme with the increased scope of work as observed in the meeting.

All the above schemes will also be put up to the Governing Body of the National Compensatory Afforestation Fund Management and Planning Authority for final approval.

The meeting ended with vote of thanks to the Chair.




Executive Committee -
CEO, National Authority
MOEFRCCL


Chairman, Executive Committee
National Authority,
MOEFRCCL

List of participants

1. Shri Siddhanta Das, DGF&SS - Chairman
2. Shri Saibal Dasgupta, ADG(FC)/CEO, National Authority - Member
- 3.. Shri P. Garg, AS&FA, MoEF&CC - Member
4. Shri V.K. Singh, APCCF (Central), Lucknow - Member
5. Shri A.K. Mohanty, IGF(FC), MoEF&CC- Member
6. Shri M.R.G. Reddy, Addl. PCCF, Regional Office, Chennai- Member
7. Shri Tejinder Singh, APCCF(CE), Regional Office, Bhopal- Member
8. Shri Kamaljit Singh, APCCF(C), Regional Office, Nagpur.- Member
9. Shri C.D. Singh, APCCF, Regional Office, Chandigarh- Member
10. Shri Kaushlesh P. Singh, APCCF(C), Regional Office, Bengaluru - Member
11. Shri Bharat Jyoti, APCCF (C), Regional Office, Ranchi - Member
12. Shri R.K. Samal, MoEF&CC, Regional Office, Bhubaneswar – Representative of APCCF(C), RO, Bhubaneshwar
13. Shri Rohit Tiwari, DIGF, MoEF&CC – Representative of Mission Director, National Mission for Green India, MoEF&CC.

List of other Participants

1. Dr. Suresh Gairola, DG, ICFRE
2. Dr. Subhash Ashutosh, DG, FSI.
3. Shri D.K. Sinha, IGF(SU/EAP)/Jt. CEO National Authority, MoEF&CC
4. Shri Ram Kumar, APCCF(M&E), Gujarat.
5. Shri S.D. Sharma, DDG(Research), ICFRE.
6. Dr. Ajeet Kaur, Sr. Scientist, UCOST
7. Dr. Piyush Joshi, Sr. Scientific Officer, UCOST
8. Shri Pawan Sharma, Dy. CEO, CAMPA, Haryana.
9. Shri Prakash Lakhchaura, DDG, FSI
10. Shri Manoj V. Nair, Scientist F, WII, Dehradun.
11. Dr. Advait Edgaonkar, Asst. Prof., IIFM, Bhopal
12. Dr. H.S. Ginwal, Scientist G, FRI, Dehradun.
13. Dr. Vimal Kothiyal, ADG(RP)
14. Ms. Ruchi Badola, Sc. G, WII.

15. Shri SA Husain, Sc. G, WII.
16. Ms. S. Dutta, Sc. G., WII.
17. Shri Anant Pande, Project Scientist, WII.
18. Shri D.P. Tyagi, CAMPA, Haryana.
19. Shri Rajesh Kumar, APCCF (CAMPA), Madhya Pradesh
20. Shri Naresh Kumar, DIGF(FC), MoEF&CC
21. Shri Vinod Kumar D.K., Wildlife Institute of India.
22. Shri Sandeep Sharma, AIGF(FC), MoEF&CC
23. Shri Charan Jeet Singh, Scientist (FC), MoEF&CC
24. Shri Vaibhav Gupta
25. Shri Rakesh Kumar
26. Shri Surjeet Kumar

1. Director General of Forests and Special Secretary, Ministry of Environment, Forest and Climate Change, Government of India - Chairman
2. Additional Director General of Forests (Forest Conservation), Ministry of Environment, Forest and Climate Change, Government of India - Member
3. Additional Director General of Forests (Wildlife), Ministry of Environment, Forest and Climate Change, Government of India - Member
4. Member Secretary, National Mission for a Green India, Ministry of Environment, Forest and Climate Change, Government of India - Member
5. Financial Advisor, Ministry of Environment, Forest and Climate Change, Government of India - Member
6. Head of all Regional Offices of the Ministry of Environment, Forest and Climate Change
7. Inspector General of Forests (Forest Conservation), Ministry of Environment, Forest and Climate Change, Government of India - Member
8. Chief Executive Officer of the National Authority - Member Secretary

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