

# **INTENSIFICATION OF FOREST MANAGEMENT**

**( A CENTRALLY SPONSORED SCHEME )**



## **OPERATIONAL GUIDELINES AUGUST 2009**

**FOREST PROTECTION DIVISION  
MINISTRY OF ENVIRONMENT & FORESTS  
GOVERNMENT OF INDIA**

# MESSAGE

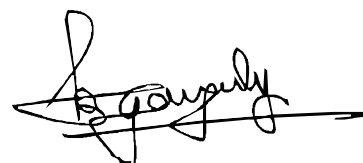
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The Central Government has revised the erstwhile Integrated Forest Protection Scheme by adding four new components and renamed it as Intensification of Forest Management Scheme with effect from August 2009.

The new components of the Scheme provided opportunities for making much needed management interventions for reinforcing forest protection and improving forest health. The State/Union Territory Governments may like to take benefit of these components for addressing their area specific forest management concerns.

The Ministry desires that the focus of the original components of strengthening infrastructure development should address the needs of the frontline forestry force. Accordingly, it is hoped that the Annual Plan Operations under these components would focus primarily on the requirements of the frontline forestry force for their modernization.

A Memorandum of Understanding is required to be signed by the implementing States/Union Territories for implementation of the Scheme in its revised format. The State/Union Territory Governments may expedite signing of this Memorandum of Understanding.



**P.B. Gangopadhyay**  
Additional Director General of Forests

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# **INTENSIFICATION OF FOREST MANAGEMENT SCHEME**

## **SALIENT FEATURES**

**by**

**A.K. Johari, DIGF (FPD)**

### **Introduction:**

While aiming to expand the forest cover in the country it is equally important to improve the state of existing forests and protect them against various threats. The threats to forests include encroachments, forest fires, illicit felling for timber and firewood, grazing, diseases and incursion of weeds and other invasive species. With a view to minimizing fire hazards and controlling forest fires a project was launched during the 9<sup>th</sup> Plan period in two States with the assistance of United Nations Development Program (UNDP). Later on, this project was first extended to ten States and then to the whole country. To consolidate its gains, the project was formalized during the 10<sup>th</sup> Plan into a Centrally Sponsored Scheme called "Integrated Forest Protection Scheme (IFPS)". The IFPS has been allowed to continue during the 11<sup>th</sup> Plan period.

### **Justification for the scheme :**

For effective protection of forests it is necessary that the forests are well demarcated and have a good network of roads, patrolling paths and watchtowers; there are facilities for camping of protection squads; the protection squads are well equipped with arms and ammunition and have good mobility. Further, to keep off the biotic pressures it is imperative that the needs of the forest-fringe dwellers are met through the management practices adopted for the forests.

Owing to the inadequacies of the financial resources, the protection of forests suffered in most States. Degradation of existing forests is offsetting the gains of expansion of forest cover. The Integrated Forest Protection Scheme was, therefore designed to address the most pressing needs of forest protection. The components of the scheme included forest fire control and management, survey, demarcation and preparation of working plans, strengthening of infrastructure such as roads, camp offices, watch towers, improved mobility, fire arms and use of modern information and communication technology etc.

The assistance provided under the IFPS significantly improved protection of forests across the country, improved health of the forests and working conditions in the remote areas of the forests and also boosted the morale of the forestry personnel. To keep the momentum going four new activities / components have been introduced into the scheme.

## **Components of Scheme:**

### **1. Forest Fire Control & Management**

Creation of fire line.  
Maintenance of fire line by  
Construction of watch towers.  
Engagement of firewatchers.  
Assistance to Joint Forest Management Committee (JFMC).  
Construction of water storage structure.  
Setting up of firefighting cells.  
Procurement of firefighting equipments.  
Fire mapping and preparation of fire management plan.  
Training & awareness.

### **2. Strengthening of Infrastructure for Forest Protection-**

Buildings for forest protection office, residence of forest field staff, transit camps, field hostels, inspection huts, support to research and training and use of GIS & MIS.  
Construction of forest roads and inspection path.  
Component of MIS.  
Computers and accessories, equipments and field setup for research and training.  
Communication networks, wireless, cell phones, state phones etc.  
Technological up-gradation and skill development e.g. tree improvement, micro – propagation.  
Vehicles and other transportation and patrolling equipments.  
Publicity and extension.  
Contingencies.

### **3. Working Plan Preparation / Survey & Demarcation-**

Field survey / boundary demarcation / enumeration.  
Purchase of material for working plan preparation.  
Purchase of equipment for survey and enumeration (GPS etc).  
GIS workstations, computers including software scanners, printers and other accessories.  
Purchase of satellite imageries.  
Vehicles / jeeps / gypsies / minibuses / mini trucks etc. exclusively for working plan.  
Other expenses involved in preparation / implementation of working plan.  
Grants for pest / disease control.  
Consultancy.

**4. Protection and conservation of Sacred Groves:**

Inventorization of the Sacred Groves in each State/UT.

Inventorization of the individual sacred groves which may include mapping and detailed inventory and documentation of floral and faunal varieties.

Cultural operations including weeding, bush cutting, ANR, soil moisture conservation work.

Publicity extension and awareness, interpretation huts.

Research/ studies and other miscellaneous works.

Protection measures (excluding fencing).

Support to ecotourism

**5. Conservation and Restoration of Unique Vegetation & Ecosystem:**

Inventorization of the resources.

Specific measures for protection of these species which may include fencing, deployment of flying squads (protection watchers) greater involvement of local communities in protection and management through alternate livelihood options.

Awareness programme about species to enhance its cultivation/plantation on private/ community land.

Research & Development studies to develop protocols to improve its regeneration, mass multiplication, specific studies related to trade, policy etc.

Monitoring and evaluation.

Strengthening of infrastructure for protection including mobility.

Support for basic facilities to staff in these areas.

Support for various cultural operations.

Strengthening of the existing chowkies and creation of new chowkies.

**6. Control and Eradication of Forest Invasive Species:** Providing assistance to the State/ UT Forest Department and their research organizations for carrying out studies and research on Forest Invasive Species, and their control and management. The studies/ research would include activities such as survey, surveillance, biological studies, field control trials, eradication practices, awareness and publicity, data management and any other relevant activities.

**7. Preparedness for Meeting Challenges of Bamboo Flowering and Improving Management of Bamboo Forests:**

**There are two major activities under this component –**

**Preparedness for meeting challenges of bamboo flowering:** The activities under this sub-component would include – support to the State/ UT Forest Department and to their research institutions for carrying out studies, research, surveillance and survey of the

bamboo areas and in the event of detection of flowering (gregarious/ sporadic) to undertake activities such as spreading awareness of bamboo flowering, harvesting of flowered bamboo, replanting of the flowered areas with quality planting material, preparation of high – tech nurseries for quality planting material of diverse species of bamboo, control of fire hazards, control of rodents menace and encouraging localized use of harvested bamboo.

**Improving Management of Bamboo Forests :** The activities under this sub-component would include – providing assistance to the State/UT Forest Department for improving management of bamboo forests by way of activities such as preparing schemes/ plans for taking up bamboo areas for removing decongestion, improving clump/ culm quality, gap planting, use of quality planting material, inter-mixing of useful varieties of bamboo, prevention and control of pest and diseases and fire control and other such activities which may be relevant of improving management of bamboo.

### **Central Sector Component:**

Professional Services.

Other Administrative Expenses.

Office Expenses.

Grants-in-aid to UTs without legislature etc.

### **Funding Pattern:**

The Scheme is being operated with two sharing patterns:

**90%:10%** sharing for North Eastern States including Sikkim and special category States (Jammu & Kashmir, Himachal Pradesh, Uttarakhand).

**75%: 25%** sharing for other States.

### **Evaluation of the Scheme :**

During the 10<sup>th</sup> Plan period, two separate evaluations were carried out; one for the North Eastern areas and the other for the rest of the country. All the eight States with forty three randomly selected Divisions of North East region and ten States covering eighty nine Divisions of rest of the country constituted the field of evaluation/studies. The evaluation reports indicate significant achievements under the scheme in terms of creation of field infrastructure, induction of modern technology in preparation of working plans, consolidation of forest boundaries, improvement in mobility of field staff and in involvement of local community in forest protection. The evaluation desired improvement in capacity building of field staff in use of GIS/MIS, need to increase fund flow and curtailment of delay in release and need for creating a good data base and systematic information system.

**The outlay:**

The outlay and the releases made so far under the Intensification of Forest Management (IFM) have been given below:

(Rs. in crore)

S. No	Name of the components(old & new)	Outlay
1	Integrated Forest Protection including central sector <b>(old)</b>	448.50
2	Protection and Conservation of Sacred Groves <b>(new)</b>	40.00
3	Conservation and Restoration of Unique Vegetation & Ecosystem <b>(new)</b>	60.00
4	Control and Eradication of Forest Invasive Species <b>(new)</b>	30.00
5	Preparedness for Meeting Challenges of Bamboo Flowering and Improving Management of Bamboo Forests <b>(new)</b>	21.50
	<b>Total</b>	<b>600.00</b>

**Funds Released during 10th & 11th Five year Plan**

S.No.	States	10th Five year Plan	11th Five year Plan	Total
<b>Other States</b>				
1	Madhya Pradesh	1193.25	1682.54	2875.79
2	Chhattisgarh	1207.95	1506.747	2714.697
3	Gujarat	946.44	1414.345	2360.785
4	Uttarakhand	1336.46	905.87	2242.33
5	Kerala	751.097	1050.72	1801.817
6	Tamil Nadu	813.92	944.4075	1758.328
7	West Bengal	844.53	734.905	1579.435
8	Jharkhand	807.533	706.607	1514.14
9	Andhra Pradesh	694	722.262	1416.262
10	Uttar Pradesh	560.98	634.47	1195.45
11	Maharashtra	303.09	866.72	1169.81
12	Karnataka	454.51	626.22	1080.73



S.No.	States	10th Five year Plan	11th Five year Plan	Total
13	Orissa	426.82	574.25	1001.07
14	Himachal Pradesh	370.436	628.526	998.962
15	Haryana	511.34	277.45	788.79
16	Bihar	380.03	286.73	666.76
17	Rajasthan	270.34	370	640.34
18	Jammu & Kashmir	377.87	0	377.87
19	Punjab	101.2	266.34	367.54
20	Goa	99.42	90.566	189.986
	<b>Total</b>	<b>12451.23</b>	<b>14289.676</b>	<b>26740.9</b>
<b>NE &amp; Sikkim</b>				
1	Mizoram	1793.74	1065.243	2858.983
2	Assam	1166.86	1178.26	2345.12
3	Nagaland	1281.22	804.2654	2085.485
4	Arunachal Pradesh	1034.04	944.96	1979
5	Tripura	1039.595	362.233	1401.828
6	Sikkim	682.33	597.3048	1279.635
7	Manipur	678.28	491.853	1170.133
8	Meghalaya	230	453.62	683.62
	Total	7906.065	5897.7392	13803.8
<b>Union Territories</b>				
1	D&N Haveli	52.1152	8	60.1152
2	A & N Islands	25	12	37
3	Daman & Diu	15	18.1464	33.1464
4	Chandigarh	8	0	8
5	Lakshadweep	0	0	0
6	New Delhi	0	0	0
7	Pondicherry	0	0	0
	<b>Total</b>	<b>100.1152</b>	<b>38.1464</b>	<b>138.2616</b>
	<b>Grand Total</b>	<b>20457.41</b>	<b>20225.561</b>	<b>40682.97</b>

**Achievements under the Scheme :**

S.No.	State	Physical Achievement during Xth (2002-03 to 2006-07) & XIth Five Year Plan (2007-08 to 2010-09)																								
		Creation & Maintenance of Fire lines (Kms.)		Firewatch Towers (Nos.)		Construction of Boundary Pillars (Nos.)		Construction of Building		Vehicles (Nos.)		Roads (Kms.)		Computer (Nos.)		Construction of Water Storage Structures (Nos.)										
		Xth	XIth	Total	Xth	XIth	Total	Xth	XIth	Total	Xth	XIth	Total	Xth	XIth	Total	Xth	XIth	Total	Xth	XIth	Total				
<b>OTHER STATES</b>																										
1	Andhra Pradesh	5343	788	6131	10	N.R.	10	1379	2134	3513	14	3	17	29	N.R.	29	6784	34.5	102.34	51	25	76	17	N.R.	17	
2	Bihar	1164	495	1659	5		5	10000	5720	15720	13	4	17	18	9	27	0	Nil	0	5	13	18	0	Nil	0	
3	Chhattisgarh	34428	22224	56652	30	75	105	24220	20600	44820	168	82	250	33	28	61	55	60	115	122	127	249	26	21	47	
4	Goa	891	402	1293	4	1	5	0	Nil	0	1	N.R.	1	0	N.R.	0	0	N.R.	0	6	N.R.	6	3	3	6	
5	Gujarat	17495	9987	27482	17	11	28	38667	42850	81517	30	21	51	24	15	39	0	Nil	0	3	1	4	0	Nil	0	
6	Haryana	6739	3242	9981	7	2	9	440	300	740	10	3	13	8		8	0	Nil	0	4	2	6	3	Nil	3	
7	Himachal Pradesh	4240	1179	5419	4	Nil	4	1932	1422	3354	7	N.R.	7	0	Nil	0	189.5	N.R.	189.5	14	9	23	62	N.R.	62	
8	Jammu & Kashmir	2358		2358	9		9	2928		2928	29	N.R.	29	11	N.R.	11	0	N.R.	0	0	0	0	0	N.R.	0	
9	Jharkhand	7084	7572	14656	3	24	27	88031	32718	120749	33	11	44	30	16	46	0	52	52	38	Nil	38	10	Nil	10	
10	Karnataka	28357	34361	62718	3	Nil	3	0	1523	1523	25	11	36	9	10	19	0	Nil	0	0	0	0	0	0	Nil	0
11	Kerala	2709	3185	5894	5	5	10	705	1223	1928	6	24	30	20	23	43	4	105.1	109.1	0	120	120	5	30	35	
12	Madhya Pradesh	1500	1000	2500	0	Nil	0	0	Nil	0	16	11	27	35	19	54	0	Nil	0	20	115	135	0	Nil	0	
13	Maharashtra	3998	11000	14998	10	Nil	10	0	Nil	0	0	10	10	20	6	26	0	Nil	0	0	8	8	0	Nil	0	
14	Orissa	2300	N.R.	2300	13	N.R.	13	10000	N.R.	10000	20	N.R.	20	11	N.R.	11	146	N.R.	146	10	N.R.	10	15	N.R.	15	
15	Punjab	0	N.R.	0	0	N.R.	0	0	N.R.	0	0	N.R.	0	0	N.R.	0	0	N.R.	0	0	0	0	0	N.R.	0	
16	Rajasthan	975	725	1700	10	9	19	4700	5589	10289	12	24	36	7	4	11	0	25	25	6	20	26	18	15	33	
17	Tamil Nadu	13452	4650	18102	20	12	32	8000	25000	33000	32	Nil	32	20	Nil	20	47	15	62	31	N.R.	31	69	20	89	
18	Uttar Pradesh	8117	2536	10653	18	Nil	18	0	8185	8185	24	Nil	24	23	13	36	698	582	1280	0	10	10	22	12	34	
19	Uttaranchal	27523	2347	29870	8	7	15	4650	1098	5748	65	19	84	33	21	54	129	58.2	187.2	72	13	85	124	26	150	
20	West Bengal	5007	2600	7607	17	Nil	17	8470	4298	12768	57	23	80	52	14	66	226.45	73	299.45	39	15	54	23	16	39	
	<b>TOTAL</b>			<b>281973</b>			<b>339</b>			<b>356782</b>			<b>808</b>			<b>561</b>						<b>899</b>			<b>540</b>	
<b>N.E. STATES</b>																										
21	Assam	530	1090	1620	8	11	19	5865	1885	7750	145	40	185	31	20	51	93	163	256	10	22	32	0	4	4	
22	Arunachal Pradesh	2206	2418	4624	2	3	5	500	6010	6510	87	24	111	55	27	82	68.22	38	106.22	41	8	49	0	Nil	0	
23	Manipur	4989	2955	7944	13	10	23	4057	1950	6007	19	20	39	13	2	15	0	6.25	6.25	49	12	61	20	Nil	20	
24	Meghalaya	0	70	70	0	Nil	0	0	N.R.	0	2	1	3	8	6	14	0	N.R.	0	13	N.R.	13	0	7	7	
25	Mizoram	6540	3500	10040	62	15	77	230	2250	2480	175	32	207	53	17	70	211	148	359	40	10	50	60	15	75	
26	Nagaland	2560	2031	4591	60	55	115	140	150	290	80	13	93	132	24	156	41	20	61	59	7	66	80	29	109	
27	Sikkim	282	250	532	2	Nil	2	4504	1550	6054	67	6	73	9	4	13	10	6	16	8	Nil	8	7	1	8	
28	Tripura	6030	3620	9650	1	Nil	1	0	1070	1070	110	16	126	47	Nil	47	8	7.5	15.5	15	Nil	15	63	50	113	
	<b>TOTAL</b>			<b>39071</b>			<b>242</b>			<b>30161</b>			<b>837</b>			<b>448</b>						<b>294</b>			<b>336</b>	
	<b>GRAND TOTAL</b>			<b>321044</b>			<b>581</b>			<b>386943</b>			<b>1645</b>			<b>1009</b>						<b>1193</b>			<b>876</b>	

# **“INTENSIFICATION OF FOREST MANAGEMENT SCHEME”**

(A Centrally Sponsored Scheme of the MoEF)

## **OPERATIONAL GUIDELINES**

### **1. BACKGROUND**

Forests play a crucial role in ecological and economic stability of the country. It is estimated that the forests, directly and indirectly, contribute towards livelihood support of about 270 million people in the country. On a larger scale the contribution of forests and tree cover in carbon sequestration and mitigation of vagaries of climate change are also being increasingly recognized.

The National Forest Policy 1988 aims at bringing 33% of country’s geographical area under the forests or tree cover. While aiming to expand the forest cover in the country, it is equally important to improve the state of existing forests and protect them against various threats. The threats to forests include encroachments, forest fires, illegal felling for timber and firewood grazing, diseases and incursion of weeds and other invasive species.

In addition, there are problems related to unique vegetation and eco-systems either due to high value or peculiar nature of their management. Examples of this include forests with species such as Sandalwood, Red Sanders and Bamboo to name a few.

The scheme of Intensification of Forest Management intends to address both the general problems of forest protection and the area specific requirements for management intervention.

The Scheme aims at modernizing the forestry sector and improving the working conditions at the cutting edge level.

### **2. OBJECTIVES OF THE SCHEME**

The main objectives of the Scheme include:

- I. To supplement the endeavors of the State / UT Forest departments towards protection and management of forests and improving its forest-health.
- II. To Modernizing the Forestry Administration by supporting strengthening of infrastructure, promoting use of modern technology in day-to-day forestry activities and improving communication and mobility of the forestry force.
- III. Assisting State /UT Forest Departments in effective prevention and control forest-fires.
- IV. To supplement the endeavors of the State / UT Forest departments for consolidation of forest boundaries and preparation of Working Plans.

- V. Improve forest health by supporting area-specific management interventions.
- VI. Involve people in forest protection and management through Joint Forest Management Committees.

**2. INTRODUCTION OF THE SCHEME**

The Intensification of Forest Management scheme is a revised version of Integrated Forest Protection Scheme that was in operation during the 10<sup>th</sup> Five Year Plan and has been allowed to continue in the 11<sup>th</sup> Five Year Plan as well. The main components of the scheme during the 11<sup>th</sup> Five Year Plan are as under:

- (i) Forest Fire control and Management (existing).
- (ii) Strengthening of Infrastructure (existing).
- (iii) Survey, Demarcation and Working Plan preparation (existing).
- (iv) Protection and Conservation of Sacred Groves (New).
- (v) Conservation and Restoration of Unique Vegetation & Ecosystems (New).
- (vi) Control and Eradication of Forest Invasive Species (New).
- (vii) Preparedness for Meeting Challenges of Bamboo Flowering and Improving Management of Bamboo Forests (New).

**3. FUNDING PATTERN**

The funding pattern of the scheme is given below:

Component	All the North Eastern States including Sikkim & Special category States namely Jammu & Kashmir, Himachal Pradesh and Uttrakhand		All Other States / UTs	
	Central Share	State Share	Central Share	State Share
All components	90%	10%	75%	25%

**4. IMPLEMENTATION METHODOLOGY**

- I. All the components of the Scheme will be implemented in the spirit of the Memorandum of Understanding to be signed by and the State / UT governments (MoU) with the MoEF. The MoU is attached as Annexure-A
- II. As far as possible, the Joint Forest management Committees would be involved in execution of works under this Scheme.

- III. The funds ear-marked for the 'Divisional Plans' for the purpose of "Improving Forestry Administration in Naxal Affected Areas' shall be released to utilized in the same forest division.

## 5. COST NORMS

The items of works under all the components of the Scheme would be sanctioned keeping in view the current market rate and prevalent wage rate in the concerned State/UT. The cases of construction of buildings would be considered based on preliminary estimates and in accordance with the norms and instructions on the subject.

## 6. CONSIDERATION OF PROPOSALS

The proposals under the Scheme shall be considered in two different sets. The first set comprising of all the three existing components of the earlier Scheme, (Integrated Forest Protection Scheme), and the second set of proposals separately for each of the four new components.

- (a) **First set of proposals** (i.e. components of Forest Fire control, Strengthening of Infrastructure, Survey, Demarcation and Working Plan preparation): The total cost of these three components shall be combined cost of set one. Under this, with a view to ensuring that different components get adequate representation, it is proposed that:
- (i) Atleast 15% of the cost of the proposal would be for the purpose of preparation of Working Plans, Survey and Demarcation works.
  - (ii) A provision for contingency can be made upto a maximum of 5% of the project cost.
  - (iii) The cost on civil works and purchase of vehicles shall not exceed 50% of the project cost.
  - (iv) The remaining component shall cover the works such as fire protection, information and communication technology etc.
- (b) **The second set** will comprise of individual proposals for each of the four new items and shall be considered separately without the restrictions as mentioned in para 5 (a) and (b) above. Following considerations would, however, be made while considering the proposals for new components.
- (i) **Protection and Conservation of Sacred Groves** – The various components of works to be covered under this component are indicated in the proforma designed for seeking proposals and submission of Progress Report –**Annexure (A)(i) to (A)(iii)**.

Emphasis shall be on involvement of the local community in preparation of Management Plan for the Sacred Groves, inventories of flora and fauna and improvement works. Assistance shall not be considered for structure like boundary wall and fencing. A comprehensive document on all Sacred Groves of the State/UT is expected as one of the outcomes.

- (ii) **Conservation and Restoration of Unique Vegetation & Ecosystems** – The various components of works to be covered under this component are indicated in the proforma designed for seeking proposals and submission of Progress Report –**Annexure (B)(i) to (B)(iii)**. Emphasis would be on providing assistance for those components which are not covered by the IFPS components.
  - (iii) **Control and Eradication of Forest Invasive Species** - The various components of works to be covered under this component are indicated in the proforma designed for seeking proposals and submission of Progress Report–**Annexure (C)(i) to (C)(iii)**. Emphasis will be given to the works of prevention and research on Forest Invasive Species and at least 50% of the funds of the proposal shall be utilized for this purpose.
  - (iv) **Preparedness for meeting challenges of Bamboo Flowering and improving Management of Bamboo Forests** – The various components of works to be covered under this component are indicated in the proforma designed for seeking proposals and submission of Progress Report –**Annexure (D)(i) to (D)(v)**. Financial assistance shall not be considered for those items which are covered by the National Bamboo Mission of Ministry of Agriculture.
- (c) The area of operation for all the above components shall not overlap with the areas of operation under the scheme Integrated Development of Wildlife Habitats of the Ministry of Environment & Forests, Government of India and a certificate to this effect should invariably accompany the proposal.
- (d) For submission of proposals for the existing components of Integrated Forest Protection Scheme, use **Annexures (E)(i), (E)(ii) & (E)(iii)**.

## **7. RELEASE OF FUNDS**

Funds for the approved Annual Work Plan shall be released in two installments. The first installment, being not more than 80% of the approved Annual Plan shall be released initially. The second installment of balance amount shall be released subject to (a) production of utilization of not less than 50% of the amount of the first installment and (b) a progress report for the same.

## 8. PROJECT PROPOSALS FROM THE STATES/UNION TERRITORIES

All the States/UTs will be required to submit their Plans under the Scheme for a period of five years (remaining three years for 11<sup>th</sup> plan period) with a break-up of annual plans of operation for all the components of the Scheme as per the **Annexure (A)(ii), (B)(ii), (C)(ii), (D)(ii) and (D)(iii)**.

## 9. WORKS/ACTIVITIES NOT COVERED UNDER THE SCHEME

For the purpose of implementation of the Scheme, no post would be created either in the Ministry or States/UTs. The cost of establishment of regular staff and recurring costs on infrastructure and equipments shall not be eligible for funding under the Scheme.

## 10. SCREENING OF PROPOSALS FOR RELEASE OF FUNDS

The proposals received from various State/UT Governments will be examined and put up to a committee (Screening Committee) constituted with the approval of the DGF&SS. The Committee shall have the following members:

Additional Director General of Forests (FC)	-	Chairman
Deputy Inspector General of Forests (NAEB)	-	Member
Deputy Inspector General of Forests (RT)	-	Member
Deputy Inspector General of Forests (WL)	-	Member
Deputy Inspector General of Forests (FPD)	-	Member
Director (Finance)	-	Member
Representative of Civil Construction Unit	-	Member

## 11. MONITORING AND REVIEW

- (i) The Ministry will arrange for periodic monitoring and evaluation of the Scheme through its officials, State Forest Department, Regional Centres of the Ministry and/or independent consultants/NGOs.
- (ii) The State Forest Departments shall be responsible for regular monitoring and evaluation of Intensification of Forest Management scheme. A Review and Monitoring Committee under the chairmanship of PCCF shall be constituted for periodic review of the scheme. CCF (Development)/CF (Hqrs) will be the Member-Secretary of the State Monitoring Committee. The CFs will be the members of the Committee. The Member-Secretary shall convene meetings at least half yearly and review the progress the scheme.
- (iii) PCCF/CCF/CF of the concerned State/UT (as the situation may be) shall furnish a quarterly progress report on physical and financial target achieved in the enclosed proforma as per **Annexure-(A)(iii), (B)(iii), (C)(iii), (D)(iv) and (D)(v)**.

## **12. AMENDMENTS IN THE GUIDELINES**

During the course of implementation of the scheme, for consideration of any deviation from the existing provisions of these guidelines, the screening committee may recommend such proposals for decision by the DGF&SS.

Amendments to the guidelines would also be possible with the concurrence of the Minister of State (Forests & Wildlife).



# **MEMORANDUM OF UNDERSTANDING**

## **(Intensification of Forest Management Scheme)**

### **BACKGROUND**

The Central Government has been providing financial assistance to the State Forest Departments to supplement their efforts of forest protection through a Centrally Sponsored Scheme called Integrated Forest Protection Scheme. The scope of this Scheme has been expanded by adding four new components which are forest management interventions and accordingly the name of the Scheme has been changed to Intensification of Forest Management Scheme.

The funding pattern of the Scheme, both in its original and revised format, shall be 90 (Centre):10 (States) for the NE States including Sikkim and special category States (Jammu & Kashmir, Himachal Pradesh and Uttarakhand); and 75 (Centre):25 (States) for the rest of the States.

The Scheme, Intensification of Forest Management, for its implementation requires signing of a Memorandum of Understanding between the Central Government and the implementing States. Therefore this Memorandum of Understanding:

The Government of India, Ministry of Environment & Forests (hereinafter referred to as the 'Ministry') and the State/UT Government of ..... (hereinafter referred to as 'State/UT') hereby undertake to implement the various components of the Scheme named as Intensification of Forest Management Scheme on sharing basis with following responsibilities to be operated by the implementing partners:

#### **A. The responsibilities of the Central Government:**

1. The Ministry would support the endeavors of the State to modernize its forestry sector and to intensify forest management with a view to improving protection and promoting sustainable development of forests by providing financial assistance for the works as envisaged in the seven components of the Scheme.
2. The Ministry would consider for approval the Annual Plans of Operation (APOs) submitted by the State/UT within 30 days from the date of receipt of the proposals complete in all respects, i.e. proposals in the prescribed format, along with Progress Report and Utilization Certificated for the preceding financial year.
3. The Ministry, subject to the limitations of the allocation of funds under the Scheme, would release the central share of funds to the State/UT for the approved APO, in two installments, the first installment being 80% and the second 20%.

4. The Ministry would arrange for periodic monitoring and evaluation of the Scheme through Ministry officials, subordinate offices, regional centres, or through independent evaluators/ NGOs. In this process of monitoring and evaluation, the State/UT Forest Department will also be involved.
5. The Ministry on the basis of the outcome of the evaluation and on the basis of other feedback received from the State/UT during the implementation of the Scheme would strive to make necessary changes in the structure/implementation methodology of the Scheme.

**B. Responsibilities of the State/UT Governments:**

1. The State/UT Government would submit the Annual Plan of Operations (APO) for a particular financial year by the end of December of the preceding financial year to the Ministry in terms of the Operational Guidelines in force and in the proforma prescribed for each component of the Scheme.
2. The State/UT Government of ..... would provide State share of funds to match the Central share in proportion as stipulated in the Scheme for the approved Annual Plan of Operations of a financial year and shall ensure to release the same within 30 days from receipt of approval of APO from the Ministry.
3. The State/UT Government of ..... would ensure that there is no overlap in implementation of the components of the Integrated Forest Management Scheme with any other Central Government Scheme of the Ministry such as Integrated Development of Wildlife Habitats and NAP for the same items of work.
4. The State Government undertakes to provide necessary funds for maintenance of the assets created under the Scheme and to provide for the financial and manpower resources for utilization of the assets so created.
5. The State Government/UT would create a data base and update it on a regular interval for maintaining the details of all items of work undertaken under the various components of the Scheme clearly specifying the location of the work executed (in case of vehicles the deployment details) and financial details, etc.
6. The State/UT Government will put to use modern equipments such as GPS/PDS/GIS facilities to full use for their day-to-day and long term management of forests and for monitoring of forestry activities in the State.
7. The State/UT Government will provide all necessary assistance to the Ministry or its authorized agency in carrying out monitoring and evaluation of the works being undertaken by the State/UT under the Scheme.

**8. For involvement of Joint Forest Management Committees (JFMCs):**

- a. As far as possible, the State/UT Government will involve JFMCs for implementation of forest protection and infrastructure modernization activities.
- b. The activities will be carried out timely and efficiently as per existing norms and rules of the State/UT Forest Department.
- c. The activities implemented by the JFMCs will be monitored and evaluated as per existing norms and rules of the State/UT Forest Department.

Signed on this ..... day of ....., 2009 at ..... (Place).

Signature .....

.....

(On behalf of Central Government)

(On behalf of State Government)

Name:

Name:

Designation:

Designation:

**General instructions for submission of proposals for component: “Protection and Conservation of Sacred Groves” under : Intensification of Forest Management.**

**Note: It may please be noted that the area of operation of proposal under this component shall not overlap with the area of operation under the Scheme ‘Integrated Development of Wildlife Habitat’ of the Ministry of Environment & Forests, Government of India.**

The proposal under this component may include following works/activities:

- (1) Inventory of Sacred Groves: A State-wise inventory of all the sacred groves with details of their locations, area, and people involved in protection, cultural and religious beliefs associated with these sacred groves.

*(It may also be useful to prepare a comprehensive document on all the sacred groves of the State.)*

- (2) The State/UT Governments have to demarcate the Sacred Groves that would be covered under the Integrated Wildlife Habitat Development Scheme and under the Intensification of Forest Management Scheme.
- (3) For those Sacred Groves that exist on the community lands, contribution of community in protection and conservation may be brought on board.
- (4) Documentation of Flora and Fauna of each Sacred Grove.
- (5) Preparation of Management Plan/Work Plan for improvement and conservation in sacred groves.
- (6) Improvement works:
  - (i) Labelling of important species and signage.
  - (ii) Cultural operations.
  - (iii) Improvement of footpaths.
  - (iv) Laying of eco-trails for education purposes.
  - (v) Protection measures.
- (7) Community involvement incentives and eco-development activities.
- (8) Research/studies on the status of soil, nutrients, water regime, and biodiversity status of the sacred grove vis-à-vis neighboring areas.

(9) Expected outcomes and outputs on annual basis and five yearly bases.

(10) Other state specific miscellaneous works (not covered above).

Note: It may please be noted that as far as possible in all activities of works the people associated with a particular sacred grove would be involved in planning, execution and monitoring of the work programmes.

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**Annexure (A) (ii)**

**Proforma for submission of proposal Component:  
“Protection and Conservation of Sacred Groves”  
Under CSS: ‘Intensification of Forest Management’**

Name of the State/UT :

(Rs. in lakhs)

S.No	Items	Unit	2009-10			2010-11			2011-12						
			Location Range/ Division	Unit Cost	No. of Unit	Amount	Unit	Location Range/ Division	Unit Cost	No. of Unit	Amount	Unit	Location Range/ Division	Unit Cost	No. of Unit
1	Inventory of Sacred Groves	Sq m													
2	Documentation of Flora and Fauna of each Sacred Grove	Nos.													
3	Preparation of Management Plan/Work Plan	LS													
4	<b>Improvement works</b> (i) Labeling of important species and signages (ii) Cultural operations including weeding (iii) Improvement of footpaths (iv) Laying of eco-trails for education purposes (v) Protection measures	LS													
5	Research/studies	LS													
6	Other miscellaneous works	LS													
	<b>Grand Total</b>														

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**Annexure (A) (iii)**

**Proforma for Quarterly Progress Report for quarter ending June/ Sept./Dec/March  
Component: "Protection and Conservation of Sacred Groves"  
Under CSS: 'Intensification of Forest Management'**

Name of the State/UT :

(Rs. in lakhs)

S.No.	Component of Work	Unit Cost	Targets		Achievements							
			No. of Units sanctioned by GOI	Amount released	Upto the Previous Quarter		During the Quarter		Cumulative			
					Physical	Financial	Physical	Financial	Physical	Financial		
1	Inventory of Sacred Groves											
2	Documentation of Flora and Fauna of each Sacred Grove											
3	Preparation of Management Plan/Work Plan											
4	<b>Improvement works</b> (i) Labeling of important species and signages (ii) Cultural operations including weeding (iii) Improvement of footpaths (iv) Laying of eco-trails for education purposes (v) Protection measures											
5	Research/studies											
6	Other miscellaneous works											
	<b>Grand Total</b>											

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**General instructions for submission of proposals under the component “Conservation and Restoration of Unique Vegetation and Eco-system” under CSS: Intensification of Forest Management.**

Note: *It may please be noted that the area of operation of proposal under this component shall not overlap with the area of operation under the Scheme ‘Integrated Development of Wildlife Habitat’ of the Ministry of Environment & Forests, Government of India.*

The proposal may include the following:

(1) Introduction:

An account of vegetation type that are unique, endemic or highly valuable and that require extraordinary protection and conservation measures in the State/UT. The description shall include name of such species, their extent of distribution, their ecology, economic value and reasons for extraordinary measures for which protection are required.

(2) Management:

A broad description of status of present management practices.

(3) Constraints:

Description of such management interventions that are necessary for protection/conservation of the vegetation types/eco-systems with related factors. Such factors may clearly be spelt out.

(4) Proposal:

A list of physical activities broadly categorizing them into following heads may be given:

- (i) Management including new technology
- (ii) Survey/Inventory
- (iii) Communication
- (iv) Infrastructure for forest protection
- (v) Research
- (vi) Pilot project/other miscellaneous works

\*\*\*\*\*



**Annexure (B) (ii)**

**Proforma for submission of proposal  
Component: "Conservation and Restoration of Unique Vegetation and Eco - Systems"  
Under CSS: 'Intensification of Forest Management'**

Name of the State/UT : \_\_\_\_\_ (Rs. in lakhs)

S.No	Items	2009-10			2010-11			2011-12						
		Unit	Location Range/ Division	Unit Cost	Amount	Unit	Location Range/ Division	Unit Cost	Amount	Unit	Location Range/ Division	Unit Cost	Amount	No. of Unit
1	Management including New Technology	LS												
2	Survey/ Inventory	LS												
3	Communication	Nos.												
4	Infrastructure for forest protection	Nos.												
5	Research	LS												
6	Pilot project/Other miscellaneous works	LS												
	<b>Grand Total</b>													

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**Annexure (B) (iii)**

**Proforma for Quarterly Progress Report for quarter ending June/ Sept./Dec/March  
Component: "Conservation and Restoration of Unique Vegetation and Eco - Systems"  
CSS: 'Intensification of Forest Management'**

Name of the State/UT :

(Rs. in lakhs)

S.No.	Component of Work	Unit Cost	Targets		Achievements								
			No. of Units sanctioned by GOI	Amount released	Upto the Previous Quarter		During the Quarter		Cumulative				
					Physical	Financial	Physical	Financial	Physical	Financial			
1	Management including New Technology												
2	Survey/ Inventory												
3	Communication												
4	Infrastructure for forest protection												
5	Research												
6	Pilot project/Other miscellaneous works												
	<b>Grand Total</b>												

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**General instructions for submission of proposals for component: “Control and Eradication of Forest Invasive Species” under CSS: Intensification of Forest Management.**

**Note:**

1. ***It may please be noted that the area of operation of proposal under this component shall not overlap with the area of operation under the Scheme ‘Integrated Development of Wildlife Habitat’ of the Ministry of Environment & Forests, Government of India.***
2. ***The State Forest Department may undertake research works, either directly through the Department Research Facility or through sponsored research by other Institutes of repute.***

The proposal under this component must be accompanied by documents on Forest Invasive Species (FIS) in the State/UT indicating details of their extent of spread and approximate damage in physical and financial terms being caused by FIS. The proposal may include following works/ activities:

- (1) Establishment of a Cell for monitoring of Forest Invasive Species with facility for data maintenance, map drawing, and information system. The cell may also host research fellows for data management and information sharing. This cell may work under the Research Wing of the State Forest Department. The sub-components may include:
  - (i) Building cost (if facilities do not exist); a small building with facility for housing computer and other equipments for data management and a small hall-cum-interpretation centre.
  - (ii) Computer and peripherals
  - (iii) Map drawing equipments, digital cameras etc.
  - (iv) Engagement of research personnel.
- (2) The survey work shall lead to production of physical as well as digitized map of the affected areas. This will entail the use of all modern technological support like GIS, GPS etc.
- (3) Preparation of FIS Management Plan (must incorporate existing research input on prevention and control of each important FIS).
- (4) Research including biological studies (life cycle, spread mechanism), studies on biological pests of the FIS and studies on chemical and other prevention methods.

- (5) Pilot projects for eradication of Forest Invasive Species (giving details of species, area and method of eradication).
- (6) Extension of methods and technology.
- (7) Community involvement.

\*\*\*\*\*

**Annexure (C) (ii)**

**Proforma for submission of proposal  
Component: "Control and Eradication of Forest Invasive Species"  
Under CSS: 'Intensification of Forest Management'**

Name of the State/UT : \_\_\_\_\_ (Rs. in lakhs)

S.No	Items	2009-10			2010-11			2011-12			
		Unit	Location Range/ Division	Unit Cost	No. of Unit	Amount	Unit	Location Range/ Division	Unit Cost	No. of Unit	Amount
1	<b>Establishment of Cell</b> (i) Building cost (ii) Computer and peripherals (iii) Map drawing equipments, digital cameras, etc.	Nos.									
2	Survey works	Sq km									
3	Communication	Nos.									
4	Preparation of FIS Management plan	LS									
5	Research	LS									
6	Pilot projects	Nos.									
7	Extension/Community involvement										
	<b>Grand Total</b>										

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**Annexure (C) (iii)**

**Proforma for Quarterly Progress Report for quarter ending June/ Sept./Dec/March  
Component: "Control and Eradication of Forest Invasive Species"  
Under CSS: 'Intensification of Forest Management'**

Name of the State/UT : \_\_\_\_\_ (Rs. in lakhs)

S.No.	Component of Work	Unit Cost	Targets		Achievements							
			No. of Units sanctioned by GOI	Amount released	Upto the Previous Quarter		During the Quarter		Cumulative			
					Physical	Financial	Physical	Financial	Physical	Financial		
1	<b>Establishment of Cell</b> (i) Building cost (ii) Computer and peripherals (iii) Map drawing equipments, digital cameras, etc.											
2	Survey works											
3	Communication											
4	Preparation of FIS Management plan											
5	Research											
6	Pilot projects											
7	Extension/community involvement											
	<b>Grand Total</b>											

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**General instructions for submission of proposals for component: “Preparedness for meeting challenges of Bamboo Flowering and improving management of Bamboo Forests” under CSS: Intensification of Forest Management**

Note: Financial assistance shall not be considered for those items which are covered by the National Bamboo Mission of Ministry of Agriculture.

The proposal shall be accompanied by a write up on the status of Bamboo forest in the State, giving geographical distribution species wise. An assessment regarding flowering of bamboo, species - wise, area - wise anticipated during next five years may also be annexed.

The proposal may include following set of activities:

- (A) Activities for improving management of bamboo forests:
- (1) Cultural operations including de-congestion of the bamboo areas
  - (2) Laying and maintenance of extraction paths
  - (3) Creation of temporary depots and major depots.
  - (4) Clearing up of areas for assisting natural regeneration of preferred bamboo species
  - (5) Planting activities (site preparation, nursery raising and planting).
  - (6) High yielding disease resistant varieties planting material.
  - (7) Fire prevention and control.
  - (8) Expected outcomes and outputs on annual basis and five yearly bases.
- (B) Preparedness for meeting challenges of bamboo flowering:
- (1) Research and studies on the flowering patterns of the pre-dominant bamboo species.
  - (2) Mixing of bamboo species and planting material of different origin for avoiding gregariousness of flowering in large areas (achieving staggered flowering).
  - (3) Strategy and preparedness for accelerated harvest and marketing of the flowered bamboo material in the event of gregarious flowering.
  - (4) Expected outcomes and outputs on annual basis and five yearly bases.

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**Proforma for submission of proposal  
Component: "Preparedness for meeting challenges of Bamboo Flowering and improving  
management of Bamboo Forests"  
Under CSS: 'Intensification of Forest Management'**

Name of the State/UT :

**(A) Preparedness for meeting challenges of bamboo flowering**

(Rs. in lakhs)

S.No	Items	2009-10			2010-11			2011-12			
		Unit	Location Range/ Division	Unit Cost	No. of Unit	Amount	Unit	Location Range/ Division	Unit Cost	No. of Unit	Amount
1	Research	LS									
2	Mixing of bamboo species and planting material	LS									
3	Strategy and preparedness	LS									
	<b>Grand Total</b>										

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**



**Proforma for submission of proposal  
Component: "Preparedness for meeting challenges of Bamboo Flowering and improving  
management of Bamboo Forests"  
Under CSS: 'Intensification of Forest Management'**

Name of the State/UT :

**(B) Activities for improving management of bamboo forests** (Rs. in lakhs)

S.No	Items	2009-10			2010-11			2011-12		
		Unit	Location Range/ Division	Amount	Unit	Location Range/ Division	Amount	Unit	Location Range/ Division	Amount
1	Inventory of Sacred Groves	Sq m								
2	Documentation of Flora and Fauna of each Sacred Grove	Nos.								
3	Preparation of Management Plan/Work Plan	LS								
4	<b>Improvement works</b> (i) Labeling of important species and signages (ii) Cultural operations including weeding (iii) Improvement of footpaths (iv) Laying of eco-trails for education purposes (v) Protection measures	LS								
5	Research/studies	LS								
6	Other miscellaneous works	LS								
	<b>Grand Total</b>									

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**Proforma for Quarterly Progress Report for quarter ending June/ Sept./Dec/March**  
**Component: "Preparedness for meeting challenges of Bamboo Flowering and improving**  
**management of Bamboo Forests"**  
**CSS: 'Intensification of Forest Management'**

Name of the State/UT :

**(A) Preparedness for meeting challenges of bamboo flowering**

(Rs. in lakhs)

S.No.	Component of Work	Unit Cost	Targets		Achievements							
			No. of Units sanctioned by GOI	Amount released	Upto the Previous Quarter		During the Quarter		Cumulative			
					Physical	Financial	Physical	Financial	Physical	Financial		
1	Research											
2	Mixing of bamboo species and planting material											
3	Strategy and preparedness											
	<b>Grand Total</b>											

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**Proforma for Quarterly Progress Report for quarter ending June/ Sept./Dec/March**  
**Component: "Preparedness for meeting challenges of Bamboo Flowering and improving**  
**management of Bamboo Forests"**  
**CSS: 'Intensification of Forest Management'**

Name of the State/UT :

**(B) Activities for improving management of bamboo forests**

(Rs. in lakhs)

S.No.	Component of Work	Unit Cost	Targets		Achievements							
			No. of Units sanctioned by GOI	Amount released	Upto the Previous Quarter		During the Quarter		Cumulative			
					Physical	Financial	Physical	Financial	Physical	Financial		
1	Cultural operations including de-congestion											
2	Laying and maintenance of extraction paths											
3	Creation of temporary depot and major depots											
4	Clearing up of areas											
5	Planting activities											
6	Quality planting materials											
7	Fire prevention and control											
	<b>Grand Total</b>											

Certified that the components of the works above proposed under the Intensification of Forest Management Scheme are not being covered under other Centrally Sponsored Schemes of MoEF.

**(Principal Chief Conservator of Forests)**

**Annexure (E) (I)**

**Intensification of Forest Management Scheme**  
 Integrated Forest Protection Scheme (existing components)  
 Annual Work Programme for the year.....  
**Component: Forest Fire Control & Management**

Name of the State/UT :

(Rs. in lakhs)

<b>S. No</b>	<b>Items</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>No. of Units</b>	<b>Total Cost</b>	<b>Location (Division, Range &amp; Site details)</b>
1	Fireline Creation	Km				
2	Fireline Maintenance	km				
	a. By removing grass after monsoon					
	b. Cleaning during summer					
3	Watch tower	nos.				
4	Firewatchers	Mandays				
5	Assistance to JFMC/s	LS				
6	Construction of water storage structure	Nos.				
7	Setting up of firefighting cells	LS				
8	Firefighting equipments	LS				
9	Fire mapping / Fire management Plan	nos				
10	Training & awareness	LS				
	<b>Components Total</b>					

**Annexure (E) (II)**

**Component: Strengthening of Infrastructure for Forest Protection**

(Rs. in lakhs)

<b>S. No</b>	<b>Items</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>No. of Units</b>	<b>Total Cost</b>	<b>Location (Division, Range &amp; Site details)</b>
1	Buildings for forest protection office residence of forest staff, transit camps, field hostels, inspection huts, research and training GIS / MIS	nos.				
2	Roads	km				
3	Component of MIS	specify				
4	Computers and accessories equip. and field setups for research and training	nos.				
5	Communication networks wireless cell phones etc.	nos.				
6	Vehicles and other transportation and patrolling equipments	nos.				
7	Publicity and					
	Extension	LS				
	<b>Components Total</b>					

## Annexure (E) (III)

## 1. Component: Working Plan Preparation / Survey &amp; Demarcation

(Rs. in lakhs)

S. No	Items	Unit	Unit Cost	No. of Units	Total Cost	Location (Division, Range & Site details)
1	Field survey/boundary demarcation / enumeration	sqkm				
2	Purchase of material	specify				
3	Equipment for survey and enumeration (GPS etc)	LS				
4	GIS workstations, including software	nos.				
5	Computers, scanners, printers and other accessories	nos.				
6	Purchase of satellite imageries	LS				
7	Vehicles/jeeps /Gypsies/ minibuses / mini trucks etc. exclusively for working plan	nos.				
8	Other expenses involved in preparation/ implementation of working plan	LS				
9	Grants for pest / disease control	LS				
	<b>Components Total</b>					

**For any details may contact:**

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