

**GOVERNMENT OF ANDHRA PRADESH**  
**A.P. Forest Department**

*Rc.No.:9009/2012/CAMPA*

*Office of the Prl.Chief Conservator of Forests*  
*(Head of Forest Force)*

*Dated: 20.03.2012*

*Aranya Bhavan, Saifabad, A.P., Hyderabad*

***Sri Hitesh Malhotra, IFS,***  
***Prl.Chief Conservator of Forests***  
***(Head of Forest Force)***

Sub: A.P.State CAMPA- Minutes of the 4<sup>th</sup> Executive Committee  
Meeting held on 19.03.2012- Communicated-Reg.

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The minutes of the 4<sup>th</sup> Executive Committee Meeting of A.P. State CAMPA held on 19.03.2012 are herewith communicated.

Sd/- Hitesh Malhotra  
Prl. Chief Conservator of Forests  
(Head of Forest Force)

To  
The Prl.Chief Conservator of Forests (WL) & Chief Wildlife Warden(AP)  
The Addl.Prl.Chief Conservator of Forests (FCA)  
Sri Anil Kumar V. Epur, President WWF, A.P. Chapter  
Dr. R.Hampaiah, Chairman, Biodiversity Board, A.P.  
The Addl.Prl.Chief Conservator of Forests (CAMPA)  
The Chief Accounts Officer

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For Prl. Chief Conservator of Forests

**MINUTES OF THE 4<sup>TH</sup> EXECUTIVE COMMITTEE MEETING OF AP STATE CAMPA HELD ON  
19.03.2012 IN THE O/O PrL.CCF(HOFF), AP, HYDERABAD.**

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*The following members of the Executive Committee were present:*

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| <b>1.Sri Hitesh Malhotra, IFS,</b><br>PrL. Chief Conservator of Forests                                    | <b>Chairman</b>         |
| <b>2. Sri S.V.Kumar , IFS,</b><br>PrL. Chief Conservator of Forests (WL) &<br>Chief Wildlife Warden        | <b>Member</b>           |
| <b>3. Dr. R.Hampaiah,</b><br>Chairman, Biodiversity Board, AP, Hyderabad.                                  | <b>Member</b>           |
| <b>4. Sri Anil Kumar V. Epur,</b><br>President WWF, AP Chapter   | <b>Member</b>           |
| <b>5. Sri A.V.Joseph, IFS</b><br>Addl.PrL.Chief Conservator of Forests (CAMPA)                             | <b>Member Secretary</b> |
| <b>6. Sri S.B.L.Misra, IFS,</b><br>Addl.PrL.Chief Conservator of Forests (FCA)                             | <b>Member</b>           |
| <b>7. Sri. Peekala Naik,</b><br>A.O. Head Office<br>Chief Accounts Officer,<br>O/o PrL.CCF, AP, Hyderabad. | <b>Member</b>           |

The Chairman, Executive Committee welcomed the members to the fourth meeting of the Executive Committee of A.P. State CAMPA. He welcomed the renomination of the two NGO Members viz., Sri.Anil.K.V.Epur and Dr.R.Hampaih in the CAMPA Executive Committee and called for the suggestions from the Members on the 2012-13 proposals before placing the same to the AP State CAMPA Steering Committee for approval and implementation in the state.

*The following agenda items were presented and discussed:*

1. Overview of A.P. State CAMPA.
2. Follow-up of the Minutes of 3<sup>rd</sup> Executive Committee meeting held on 31.03.2011.
3. Funds released so far by Ad-hoc CAMPA, New Delhi to A.P. State CAMPA
4. Approval of revised APO 2011-12 of CA and NPV component.
5. Progress of works for the year 2011-12 for CA component - CA / Addl.CA / Penal CA / Safety Zone .
6. Progress of works for the year 2011-12 for NPV component – NFM/ F&WLP/ FFM/ BD & ET/ R&D, CB/ I&CT & ID&M .
7. Approval and regularization of expenditure incurred from interest amount on CAMPA Account during the year 2011-2012 in addition to approved APO.
8. Approval of Annual Plan of Operations for the year 2012-13 for CA component - CA / Addl.CA / Penal CA / Safety Zone / Tree Extraction/CAT.

9. Approval of Annual Plan of Operations for the year 2012-13 for NPV component.
  10. Approval of Annual Plan of Operations for the year 2012-13 for AP State CAMPA.
  11. Appraisal of expenditure 2010-11 audited by the Chartered Accountants after reconciliation.
  12. Suggestions received from members of the Executive Committee AP State CAMPA.
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The decisions of the Executive Committee of AP State CAMPA in the 4<sup>th</sup> meeting held on 19.03.2012 are as follows:

### **1. Overview of A.P. State CAMPA**

The APCCF(CAMPA) informed the members the approval of the Steering Committee during its 3<sup>rd</sup> meeting held on 03.05.2011 in which the APO 2011-12 was approved for Rs. 22800.00 lakhs.

The members of the committee noted the information.

### **2. Follow-up of the minutes of the 3<sup>rd</sup> Executive Committee meeting of A.P. State CAMPA held on 31.03.2011 and suggestions of earlier Executive Committee meetings.**

The APCCF (CAMPA) gave a detailed presentation on the follow up of actionable points of the 3<sup>rd</sup> Executive Committee meeting minutes held on 31.03.2012 and the latest status of the same.

The members appreciated the initiative taken by the department in implementing the various activities taken up consequent to the 3<sup>rd</sup> meeting.

### **3. Funds released so far by Ad-hoc CAMPA, New Delhi to A.P. State CAMPA**

The APCCF(CAMPA) informed the members that the Ministry of Environment and Forests, Government of India vide their D.O.No.13-1/2009/CAMPA, Dt: 30.11.2009 have released an amount of Rs.8,978.32 lakhs and subsequently released an amount of Rs.12,074.44 lakhs to the A.P.State CAMPA in the year 2010. Further an amount of Rs 11,857.00 lakhs was released to the AP State CAMPA for the year 2011 on 23.08.2011.

From this amount so far Rs.26521.491 lakhs was transferred to the zero balance savings accounts of CFs / CCFs (field officers) for implementing CAMPA as per approved APOs of the years 2009-10; 2010-11 and 2011-12. An amount of Rs.1086.965 lakhs was spent during 2009-10 and Rs. 8282.856 lakhs during 2010-11. During the year 2011-12 an amount of Rs 12555.173 lakhs is spent upto 29.02.2012.

The members of the committee noted the information.

#### **4. Revision of APO -2011-12 for CA & NPV and approval.**

The APCCF(CAMPA) appraised the committee on the items not permitted by the National Ad-hoc CAMPA vide their ref. no.15-2/2011- CAMPA(And.P) dt:23.08.2011. Accordingly TA and establishment of a Geomatic centre were deleted from the APO 11-12 and expenditure on other items viz., expenditure on telephones and furniture, Ecotourism, maintenance of rest house and office buildings were restricted to expenditure already incurred upto 31<sup>st</sup> August,2011. Instructions were also issued to the field officers accordingly.

Regarding expenditure towards POL and communication charges, Government was informed that in the interest of forests and wildlife protection, the field staff have been instructed to continue incurring expenditure on propulsion charges of frontline staff vehicles and communication charges so as not to compromise on protection aspects.

The Committee was also appraised that the issues restricted by Ad-hoc CAMPA were discussed during the recent 4<sup>th</sup> meeting of National CAMPA Advisory Council (NCAC) on 25<sup>th</sup> January, 2012. The Principal CCF (HoFF), A.P. Forest Department participated in the NCAC meeting as a Special invitee and requested for consideration and inclusion of POL and Communication charges to frontline staff in the APO of A.P.State CAMPA. A view is yet to be taken by NCAC for permitting POL and Communication charges in APO 11-12 of CAMPA.

Also funds were released to the department under Intensification of Forest Management, DET and 13<sup>th</sup> Finance Commission Funds which were utilised for the activities included in CAMPA. Savings are also due to actual expenditure and adoption of actual wage rates.

Reduction in outlay is also due to change of techniques in plantation modules and implementing certain works in raising year instead of during advance operations.

Hence the reduction from approved APO NPV 2011-12 of Rs. 22800.00 lakhs to Rs. 16961.917 lakhs.

The members of the committee approved the revised APO 2011-12.

#### **5. Progress of works for the year 2011-12 for CA/Addl. CA/ Penal CA/ Safety Zone/ Extraction of Tree Growth upto 29.02.2012.**

The APCCF(FCA) gave a detailed report on progress of works under CA during 2011-12 under CA/Addl.CA/ Penal CA/ Safety Zone/ Tree Extraction for an amount of Rs.907.28 lakhs (upto end of February 2012) to the committee.

The members of the committee noted the progress of works under CA 2011-12.

## 6. Progress of works for the year 2011-12 for Net Present Value (NPV).

The APCCF(CAMPA) appraised the committee about progress of works under NPV during 2011-12 for an amount of Rs.116,47.89 lakhs .

The members of the committee noted the progress of works under NPV. The achievements under various components during 2011-12 were also presented to the committee.

## 7. Approval and regularization of expenditure incurred from interest accrued on CAMPA funds during the year 2011-12 in addition to components approved in APO

In addition to the approved APO, to protect the forests; promote afforestation; strengthen the frontline staff; store and protect seized material; to legally clinch the offence cases, to build awareness on forest conservation, wildlife conservation and the sacrifices made by the forest personnel in discharge of their duties are remembered through Martyrs' Day and celebration of Vanamahotsava and Wildlife Week celebrations an expenditure of Rs. 54.475 lakhs was incurred from the interest accrued on CAMPA funds during the year 2011-12.

The Executive Committee ratified the expenditure incurred.

## 8. Approval of Annual Plan of Operations for the year 2012-13 for CA / Addl.CA / Penal CA / Safety Zone / Biodiversity.

The committee agreed to the Annual Plan of Operations 2012-13 for CA / Addl.CA / Penal CA / Safety Zone / Extraction of Tree Growth/ CAT for an outlay of Rs.1907.802 lakhs. Component wise details are given below.

S. No.	Component	Fin. Outlay (Rs. in lakhs)
1	CA	1497.851
2	Addl. CA/ Penal CA	121.881
3	Safety Zone	27.896
4	Extraction of Tree Growth for diverted forest areas	77.770
5	Catchment Area Treatment.	188.404
	<b>TOTAL</b>	<b>1907.802</b>

The component wise details of physical and financial targets of APO for the year 2012-13 under CAMPA – CA are enclosed in Annexure – II.

The APCCF(FCA) appraised the members of the procedures followed for implementing the conditions stipulated by MoEF while diverting forest areas and raising of Compensatory afforestation in CA lands handed over by the User Agency to the Forest Department. He also explained about the Monitoring Committees constituted by the State Government for monitoring implementation of all the conditions stipulated in general and implementation of Rehabilitation & Resettlement Package / Plan in particular.

## 9. Approval of Annual Plan of Operations for the year 2012-13 for NPV.

The committee agreed to the Annual Plan of Operations 2012-13 for NPV for an outlay of Rs.18,211.73 lakhs for implementing during the year 2012-13. Component wise details are given below( Annexure III to XI ):

Sl. No.	Component	Total Amt. for 2012-13 Rs. In Lakhs
1	Natural Forest Management(NFM)	6283.00
2	Forest Protection(FP)	6900.00
3	Forest Fire Management(FFM)	240.00
4	Biodiversity Conservation(BDC)	2500.00
5	Research & Development(R&D)	381.97
6	Capacity Building(CB)	1106.76
7	Information Technology and Communication(IT&C)	800.00
	<b>TOTAL</b>	<b>18211.73</b>

The members agreed for the inclusion and continuation of outlay towards patrolling and communication charges for the frontline staff in the Forest Protection Component of NPV APO 12-13, in the interest of forest and wildlife protection. More degraded forest areas are being taken up for planting Miscellaneous species, non-teak secondary hardwood species and native species in Barren Hill afforestation under Natural Forest Management. Plantations are taken up in series in a location to ensure continuous protection and conservation.

The members were appraised by the Prl.CCF (WL) and Chief Wildlife Warden that Rs.175 lakhs have been provided for conservation activities in Kawal WLS during 2012-13. He also informed that Ex-situ Conservation activities are taken up in the Animal Breeding Centres, Animal Complexes and in Zoological Parks.

## 10. Approval of Annual Plan of Operations for the year 2012-13 for Rs. 20500.00 Lakhs.

The committee agreed to the Annual Plan of Operations 2012-13 of AP State CAMPA for an outlay of Rs.20500.00 lakhs for implementing during the year 2012-13. This includes 2% of annual outlay of CA and NPV towards monitoring and evaluation of implementation of CAMPA in the state as per the ICCMES (Integrated Concurrent CAMPA Monitoring and Evaluation System) Project guidelines of Ad-hoc CAMPA. ICCMES is now termed as e-Green Watch for which a Committee under the Chairmanship of the Addl.DG of Forests (FCA), Ministry of Environment & Forests (MoEF), GoI has been constituted to evolve guidelines and finalise the Integrated Monitoring and Evaluation System. The Prl,CCF(HoFF), A.P. Forest Department is a member of the Committee.

Major Component wise details are given below (Annexure I):

<i>Rs. In lakhs</i>		
<b>Sl. No.</b>	<b>Component</b>	<b>Total Amt. for 2012-13</b>
1	CA	1907.80
2	NPV	18211.73
3	2% of Annual outlay for Monitoring and Evaluation	380.47
	<b>GRAND TOTAL APO 2012-13</b>	<b>20500.00</b>

### **11. Appraisal of expenditure 2010-11 audited by the Chartered Accountant after reconciliation.**

The committee noted the audited expenditure for 2010-11 for an amount of Rs. 8282.856 lakhs and appreciated the Audit reconciliation.

### **12. Suggestions received from members of the Executive Committee AP State CAMPA**

Several suggestions were made by the members Sri.Anil.K.V.Epur and Dr.R.Hampaiah.

The following are the decisions taken on the suggestions:

- i) To conduct short workshops to sensitise the print and electronic media on forest and wildlife issues under the Capacity Building Component of NPV APO 12-13.
- ii) To explore the possibility of tracking the position/ location of frontline staff provided with communication facility under CUG through service provider under Forest Protection Component.
- iii) To install solar powered water pumping system in Protected Areas as was installed at Farhabad of NSTR for providing water in kuntas and saucer pits during lean season under Biodiversity Component, specially in GBM in NSTR, Nekkanti and Pechcheruvu of Markapur Division and Kawal Wild Life Sanctuary. This can be used for fighting the fire in the forests also.
- iv) Monitoring the predator-prey relationship through camera traps in NSTR and Kawal WLS under Biodiversity Conservation Component.
- v) To continue the Conservation of Sea Turtles from Srikulam to Nellore coast under Biodiversity Conservation Component annually.
- vi) To continue to involve credible wildlife NGOs in wildlife research and data collection, awareness building and Wildlife Extension and Education under Biodiversity Conservation Component.
- vii) Wildlife Wing to prepare a proposal for recycling of water through biological treatment as a pilot project in Nehru Zoological Park, Hyderabad for dovetailing funds from CZA and other schemes.

The meeting concluded with thanks to the Chair.

Sd/- Hitesh Malhotra  
Principal Chief Conservator of Forests  
(Head of Forest Force)

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For Prl. Chief Conservator of Forests



**ANNEXURE – I**

**COMPONENT WISE REQUIREMENT OF FUNDS UNDER CAMPA –FOR THE YEAR 2012-13**

<b>Sl. No.</b>	<b>Components</b>	<b>Financial outlay Rs. in Lakhs.</b>
<b>1</b>	<b>Compensatory Afforestation (CA)</b>	<b>1907.802</b>
<b>2</b>	<b>Net Present Value (NPV)</b>	<b>18211.730</b>
<b>3</b>	<b>Monitoring and Evaluation</b>	<b>380.468</b>
	<b>Total</b>	<b>20500.000</b>

**ANNEXURE – II**

**CATEGORY WISE REQUIREMENT OF FUNDS UNDER CAMPA – CA FOR**

<b>Sl. No.</b>	<b>Components</b>	<b>R.</b>
		<b>Phy in L</b>
<b>1</b>	<b>Compensatory Afforestation</b>	1482.28
<b>2</b>	<b>Addl.CA/Penal CA.</b>	80.7
<b>3</b>	<b>Safety Zone.</b>	22.43
<b>4</b>	<b>Extraction of tree growth from diverted forest areas</b>	2,05,859
<b>5</b>	<b>Catchment Area Treatment Plan</b>	
	<b>Total</b>	<b>1585.43</b>

**ANNEXURE – III**

***ABSTRACT***

***Annual Plan of Operations for Net Present Value for the year 2***

<b>Sl. No</b>	<b>Components</b>	<b>Total</b>
1	Natural Forest Management (Planting in 11,248 ha)	
2	Forest Protection	
3	Forest Fire Management	
4	Biodiversity Conservation	
5	Research & Development	
6	Capacity building	
7	Information Technology & Communication	
	<b>Grand Total :</b>	

**ANNEXURE – IV**  
**NATURAL FOREST MANAGEMENT**

Sl. No	Name of the Sub-component/ sub-activities	Unit cost
1	2	3
<b>I</b>	<b>Management of plantations and forests</b>	
a	Improvement & Management of Teak plantations in which mechanical & silvicultural thinnings not carried out as per Working Plan Prescriptions.	0.200
b	Improvement and Management of natural bamboo bearing forests*(Adilabad, Guntur, Khammam, Kurnool, RJY, Vizag, Warangal & FDPT Circles only)	0.010
c	Rehabilitation of degraded Teak bearing areas, destroyed teak plantations and felled Teak Plantations.	0.018
d	Improvement and Management of red sanders bearing forests	0.048
	<b>Sub-Total I</b>	
<b>II</b>	<b>Artificial Regeneration</b>	
1	<b>Teak Plantations</b>	
a	Raising of teak plantation in 2X2 mt. espacement	
	i) Spill over advance operations including balance cost of stumps	0.166
	i) Maintenance of nurseries	0.003
	ii) Raising of plantation in 2012 season	0.154
b	1st year maintenance of plantation	0.101
c	Advance operations for <b>teak</b> plantations to be carried out in next planting season (2013) including raising of nursery	
	i) Advance operations	0.035
	ii) Raising of nurseries	0.019

<b>Sl. No</b>	<b>Name of the Sub-component/ sub-activities</b>	<b>Unit cost</b>
2	<b><i>Eucalyptus Plantations</i></b>	
a	Rasing of Eucalyptus plantation in 3X2 mt espacement	
	i) Spill over advance operations	0.206
	ii) Maintenance of nurseries	0.010
	iii) Raising of plantation in 2012 season	0.199
b	1st year maintenance of (Eucalyptus) plantation	0.107
c	2nd Year maintenance of (Eucalyptus) plantation	0.056
d	Advance Operations for Clonal <b>Eucalyptus</b> to be raised in next planting season(2013) including raising of nursery	
	i) Advance operations	0.253
	ii) Raising of nurseries	0.071
3	<b><i>Red Sanders Plantations</i></b>	
a	Rasing of Red Sanders plantation in 3X3 mt espacement	
	i) Maintenance of nurseries	0.016
	ii) Raising of plantation in 2012 season ( Labour Intensive)	0.084
b	1st year maintenance	0.307
c	Advance Operations for Raising <b>Red sanders</b> Plantations to be raised in next planting season(2013) including rasing of nursery	
	i) Advance operations	0.090
	ii) Raising of nurseries	0.107
4	<b><i>Bamboo plantations</i></b>	
a	Raising of bamboo plantations - (5X5 espacement)	
	i) Maintenance of nurseries	
	ii) Raising of plantation in 2012 season	
b	1st year maintenance	

<b>Sl. No</b>	<b>Name of the Sub-component/ sub-activities</b>	<b>Unit cost</b>
4 c	Advance Operations for raising <b>Bamboo</b> plantation in next planting season 2013 including raising of nursery	
	i) Advance operations	0.030
	ii) Raising of nurseries	0.031
5	<b><i>Bamboo plantations mixed with Eucalyptus</i></b>	
a	Raising of bamboo plantations mixed with Eucalyptus - (5X5 espacement - 400 Bamboo and 380 Eucalyptus per ha.)	
	i) Maintenance of nurseries	0.016
	ii) Raising of plantation in 2012 season	0.152
b	1st year maintenance	0.078
c	Advance Operations for raising <b>Bamboo plantation mixed with Eucalyptus</b> in next planting season 2013 including raising of nursery	
	i) Advance operations	0.256
	ii) Raising of nurseries	0.039
6	<b><i>Silver Oak plantations</i></b>	
a	Raising of silver oak plantations (3X3 espacement)	
	i) Maintenance of nurseries	0.012
	ii) Raising of plantation in 2012 season	0.082
b	1st year maintenance	0.067
c	Advance Operations and raising of <b>Silver Oak</b> including nursery raising	
	i) Advance operations	0.071
	ii) Raising of nurseries	0.059
7	<b><i>Barren Hill Afforestation</i></b>	
a	Raising of plantations (3X3 espacement)	
	i) Maintenance of nurseries	0.009
	ii) Raising of plantation in 2012 season	0.099

<b>Sl. No</b>	<b>Name of the Sub-component/ sub-activities</b>	<b>Unit cost</b>
7b	1st year maintenance (Casurina Plantation)	0.223
c	Advance operations for barren Hill Afforestation with <b>mixed miscellaneous species</b> to be raised during 2012 including raising of nursery	
	i) Advance operations	0.118
	ii) Raising of nurseries	0.045
8	<b><i>Sandalwood plantations</i></b>	
a	Raising of plantations	
	i) Maintenance of nurseries	1.000
	ii) Raising of plantation in 2012 season	0.125
b	1st year maintenance	0.070
c	Advance operations and nursery raising of <b>Sandal wood</b> for 2012 planting	
	i) Advance operations	
	ii) Raising of nurseries	0.022
9	<b><i>Non-Teak Secondary Hardwood species Plantations</i></b>	
a	Raising of plantations	
	i) Spill over advance operations	0.000
	ii) Maintenance of nurseries	0.022
	iii) Raising of plantation (Labour Intensive) in 2012 season	0.056
	iv) Raising of plantation (SMM) in 2012 season	0.231
b	1st year maintenance	0.064
c	Advance operations and Raising of <b>Non-teak secondary hard wood species</b> plantation in 2011	
	i) Advance operations	0.229
	ii) Raising of nurseries	0.067
	<b>Sub-Total 1 to 9 of II</b>	
	<b>Grand Total:</b>	

**ANNEXURE - V**

**FOREST PROTECTION**

**Rs. in**

<b>Sl. No</b>	<b>Name of the Sub-component/ sub-activities</b>	<b>Unit Cost</b>	
1	2	3	
<b>I</b>	<b>Illicit fellings, Smuggling, poaching and mining</b>		
a	Base camps- 5 Tribal helpers + Ration	4.00	
b	Strike forces / Anti-poaching squad with Local helpers and hiring of vehicle(5 persons in each unit under the control of a Forest Official)	5.34	
c	Check posts ( 2 helpers)	1.32	
d	Hire / operation Charges for boats		
e	Maintenance of police parties + ration	22.06	
f	Seizures safeguarding, feeding of accused, conduct of raids etc.	0.10	
g	Maintenance of dog squads for checking the illicit transportation of the Red sanders	1.25	
h	Forest Protection Force (5 parties with 25 armed men each with mobility)	48.60	
	<b>Sub total I</b>		
<b>II</b>	<b>Protection of Forests:</b>		
a	Translation, Scanning and Documentation of R.F. Block notifications		
b	Construction of protection wall for urban forest blocks		
	i) Spill over of works started in 2011-12	26.90	
	ii) Fresh works in 2012-13	36.85	
c	Construction of quarters for protection staff.		
	i) Spill over of Qtrs. commenced in 2011-12	5.56	
	ii) Fresh Qtrs of 2012-13	15.58	
d	Improvements to the Residential Quarters of Frontline staff	Actuals	
f	Improvement of Camping facilities to the Field Officers to supervise and monitor protection of Forests	Actuals	
	<b>Sub total II</b>		



<b>Sl. No</b>	<b>Name of the Sub-component/ sub-activities</b>	<b>Unit Cost</b>
<b>III</b>	<b>Legal charges and Miscellaneous charges:</b>	
a	1. Legal charges and charges to legal consultants	0.20
b	2. Organizing Martyr's day and service medal function ( Only Director Zoo Parks)	Actuals
c	3. Patrolling Charges:	1.6314
d	4. Procurement of Vehicles for patrolling of Officers	7.00
e	5. Purchase of arms and ammunition (DB Guns)	Actuals
f	6. Improvement to Communications/ Wireless network	0.04
	<b>Sub total III</b>	
	<b>GRAND TOTAL</b>	

## ANNEXURE – VI

### FOREST FIRE MANAGEMENT

Rs. In lakhs

Sl. No.	Name of the Component	Unit Cost	Quantity
1	Creation of new fire lines( the fire lines which are not maintained since (5) years -Kms	0.51	15
2	Fire Watchers for maintaining the existing fire lines and control burning along extraction / bridle paths (for 5 months per year in fire season i.e. April, May, 2012 and January, February, March, 2013)	1.87	
3	Construction of Fire Watch Towers (in areas highly vulnerable to fire risk and must be located where base camps are stationed.)	7.00	
	<b>Total</b>		

## ANNEXURE – VII

### BIODIVERSITY CONSERVATION

<b>Sl. No.</b>	<b>Item of Work</b>	<b>Rs. In lakh</b> <b>Financial C</b>
1	Habitat Improvement in Protected Areas	1197.8
2	Water Resource Management	211.97
3	Man-animal conflict reduction	137.73
4	WL Protection & Anti-Poaching activities	51.44
5	Fringe Area Development	101.75
6	Wildlife Extension & Education	156.20
7	Animal Conservation & Breeding Centres	98.78
8	Wildlife Research & Data Collection	55.64
9	Development of WL Prominence Areas	72.48
10	EX-situ Conservation	416.20
	<b>TOTAL</b>	<b>2500.0</b>

**ANNEXURE – VIII**  
**RESEARCH AND DEVELOPMENT**

Sl. No.	Name of the Component	F
1	Strengthening research infrastructure & creation / maint. of central nurseries	
2	Procurement of machinery & equipment	
3	Documentation & strengthening of library	
4	Tree breeding activities	
5	Clonal forestry research and domestication of indigenous forest species	
6	Seed technology, laboratory research, production of bio-fertilizer, etc.	
7	Improvement of nursery tech. & production of QPM , clonal & tissue cultured seedlings	
8	Natural forest management & conservation of eastern ghat flora	
9	Special Research Topics, Maintenance of Research Plots, Data capturing, Analysis & documentation	
10	Miscellaneous such as chemical & glass wares & contingencies	
<b>TOTAL</b>		

## ANNEXURE – IX

### CAPACITY BUILDING

		Rs. In
S.No	Name of the Component	Unit
<b>A.</b>	<b>Infrastructure for Capacity Building</b>	
1	Spill over Construction of Hostel Building for FRO Trainees- Ground Floor including fittings and axillary services	1
2	Spill over Construction of First Floor and auditorium for Hostel building of FRO Trainees, including Project management and Technical supervision costs.	1
3	Furnishing of Ground Floor of Hostel Building for FRO Trainees (If clearance is not obtained from Govt., to be met from internal resoyurces of APFA / CEFNARM)	
4	Furnishing of First Floor of Hostel Building for FRO Trainees (If clearance is not obtained from Govt., to be met from internal resoyurces of APFA / CEFNARM)	
5	Spill over Construction of Training Centre for Capacity Building (excluding Rs. 140.00 lakhs as share from CEFNARM) including Project Management and Technical Supervision costs.	1
	<b>Total A</b>	
<b>B.</b>	<b>Trainings, Workshops, Study tours &amp; Publications Proposed</b>	
<b>C.</b>	<b>Specialized trainings and workshops on</b>	
<b>D.</b>	<b>Recruitment and Training of frontline staff</b>	
	<b>Grand Total</b>	

**ANNEXURE - X**  
**INFORMATION TECHNOLOGY AND COMMUNICATIONS**

S. No	Name of the Component
<b>I</b>	<b>Spill Over of 2011-12</b>
<b>A</b>	Geomatics Activities- Inhouse and Outsourcing - Trees outside forest density mapping, development of FMIS package, survey of notified forest blocks, FCA areas etc.
<b>B</b>	Improvement of Infrastructure and communication -Purchase of software and hardware
	<b>Sub</b>
<b>II</b>	<b>2012-13 plan</b>
<b>A</b>	Geomatics Activities –Inhouse and Outsourcing- vegetation cover, change monitoring and outside forest density mapping, DEM, stock mapping, analysis of RoFR claims, development of FMIS package, survey of notified forest blocks,FCA areas, Systems, network and website, refining of Forest Atlas etc.
<b>B</b>	Improvement of Infrastructure and communication – improvement in Communication infrastructure, IT infrastructure, Purchase of software and hardware
	<b>Sub t</b>
	<b>GRAND T</b>

**ANNEXURE – XI**  
**MONITORING AND EVALUATION**

**Rs. In Lakhs**

<b>Sl. No.</b>	<b>Components</b>	<b>Unit cost</b>
1	Monitoring	As per actuals
2	Evaluation through Third Party	
	<b>Total</b>	