

CHAPTER – 12

THE SCHEDULE OF OPERATIONS AND MISCELLANEOUS REGULATIONS

12.1 The Schedule.

The 10 years plan period starts from 2006-07 financial year and continue up to 2015-16. All the prescribed activities will be completed within the plan period. Therefore year-wise break up of activities with physical and financial target has been described in a tabular manner at **Table No.12.1** at the end of the chapter.

12.2 Record of deviation and implemented target.

One record of deviation will be maintained for Satkosia to keep record of deviations from the prescriptions. This will include annually deferred targets and strategies put off for indefinite period. The new strategies, not included in the plan will be included. This record is to be maintained strategy-wise like forest protection, fire protection, maintenance of water holes, weed control etc. in the following proforma.

Sl. No.	Name of strategy	Physical target/ financial target	Physical achievement/ Financial achievement	Shortfall omission or addition	Reason of deviation

12.3 The record of employment potential.

The over all responsibility for implementation of all the prescribed strategies lies with the following officers.

D.F.O.-2, A.C.F.-2, Forest Ranger/Dy Ranger-7, Forester-22, Forest Guard-67, F.E.O.-2, V.F.W.-8 and field staff attached to Division Office and Range Offices. Seasonal staff on daily wage basis will be engaged as and when required as per the plan.

When the Annual Plan of Operation (APO) is prepared the employment generation potential in different activities will be determined basing on the detail estimate for the work.

12.4 Control Forms.

Control forms will be maintained at Division office level for tracking the annual progress of various strategies for evaluation of prescriptions, impact of activities and problems in implementations. Control forms will be maintained separately for different strategies and will be updated annually. Different control forms are available in the Sawarkar's Manual for planning Wildlife Management in Protected Areas and Managed forest.

FORM WM-1	Creation of new artificial water holes.
FORM WM-1.1	Maintenance of water holes: natural.
FORM WM-1.2	Maintenance of water holes: artificial.
FORM WM-2	Restoration of habitat: weed control, initial operation.
FORM WM-2.1	Restoration of habitat: weed control, subsequent operations.
FORM WM-2.2	Restoration of habitat: control of regeneration of woody

	species in grass land.
FORM WM-2.3	Restoration of habitat: Prescribed burning.
FORM WM-2.4	Restoration of habitat: Soil conservation measures- initial operations and subsequent maintenance.
FORM WM-2.5	Restoration of habitat: planting, Sowing- initial operation.
FORM WM-2.6	Restoration of habitat: Planting, sowing and subsequent operations.
FORM WM-2.7	Restoration of habitat: area under protection/closure.
FORM WM-3	Animals: Measuring trends in populations.
FORM WM-3.1	Animals: New records.
FORM WM-3.2	Animals: Mortality other than that attributable to an offence.
FORM WM-3.3	Animals: Mortality attributed to poaching on an act of vandalism.
FORM WM-3.4	Animals: Predation on domestic livestock by wild carnivores.
FORM WM-3.5	Animals: Killing of a human by wildlife or injury caused.
FORM WM-3.6	Animals: Wildlife damage to private on public property.
FORM WM-4	Plants: New records.
FORM WM-4.1	Plants: Disease and mortality.
FORM WM-4.2	Plants: Illegal and legal collection.
FORM WM-4.3	Timber out-turn and revenue.
FORM WM-4.4	Firewood out-turn and revenue.
FORM WM-4.5	Out turn of charcoal and revenue.
FORM WM-4.6	Extraction of bamboo and disposal.
FORM WM-4.7	Distribution of forest produce under nistar and other concessions including free grant.
FORM WM-4.8	NWP collection: Plants and other produce.
FORM WM-5	Grazing of domestic livestock.
FORM WM-6	Inter-agency programmes: agencies and schemes (Government)
FORM WM-6.1	Programmes of NGOs.
FORM WM-7	Construction*/Maintenance* of infrastructure: roads & bridges(*existing/New).
FORM WM-7.1	Construction* / Maintenance* of infrastructure: building

	(*Existing / New)
FORM WM-7.2	Development* / Maintenance* of infrastructure: communication (*Existing / New)
FORM WM-7.3	Development* / Maintenance* of infrastructure: vehicles (*Existing / New)
FORM WM-7.4	Development of infrastructure: manpower recruitment* / existing manpower*.
FORM WM-7.5	Development of infrastructure: construction of boundaries, fences, CPTs, EPTs, enclosures, enclosures(*Existing/New).
FORM WM-7.6	Developing infrastructure: firelines(*Existing/New).
FORM WM-8	Tourism.
FORM WM-8.1	Tourism: Use of tourist facilities-lodging.
FORM WM-8.2	Tourism: Use of tourist facilities-field trips.
FORM WM-9	Outbreak of fires.
FORM WM-10	Offence cases detected.
FORM WM-11	Incentives and awards.
FORM WM-12	Research projects under implementation through PA manpower with or without collaboration with other agencies.
FORM WM-12.1	Research projects under implementation by other agencies.
FORM WM-13	Survey and inventories.
FORM WM-14	The monitoring programme.
FORM WM-15	Eco-development programme: targets and implementations.
FORM WM-16	Progress of all strategies under the zone and theme plans.
FORM WM-17	Progress of legal settlements under the Wildlife(Protection)Act,1972 in context of attainment of the status of a WLS/NP.
FORM WM-18	A summary of allotment of funds, revenue and expenditure.

12.5 Maintenance of Compartment History.

Compartment history for every compartment will be opened in duplicate where important features of the compartment, sub compartment, forest type, past

management, present management prescriptions will be written. This compartment history will be annually updated by the Range Forest Officers. The important incidents, occurrence, changes, activities will be recorded there without fail. This compartment history will be kept in Range Office till further revision of the plan. One sample copy of compartment History is enclosed in **Appendix-**

12.6 A Pocket Field Guide for Plan implementation.

This looks like Forester's Field note book. Size is 10 cm x 10 cm, opens vertically. This is to be carried by field officers in their pocket for their reference. The field guide is meant to present the essence of the plan strategy applications, complete in all technical details and the regulations concerned with respect to each strategy as might be deemed relevant. It is field action document to be written by all such field officers coping from the Management Plan. It may include the maps in miniature form, all zonal strategies and individual zonal strategies.

GLOSSARY

Biodiversity: The variety of life and its process, including complexity of species, communities, gene pools, and ecological functions.

Flora:	The plant community exist in an area which includes tree, shrub, herb, grass, ferns etc..
Fauna:	The list of animals present in a place which included mammal, birds, reptiles, fishes, amphibians, insects, butter flies, spiders, arachnids, parasites, annelids.
Key area:	Areas that offer key habitat functions for a species, such as breeding, fawning, roosting, ousting or those that have obligate species, biological or geomorphic in nature.
Land scape:	Large ecological units which function as integrated bio regions, containing national parks, sanctuaries, all or some combination of legal and functional categories of forests, village systems, lands under various ownership and land use categories and waste lands (Hotthausen, Sawarkar, Darder,1991).
Limiting factor:	The environmental influence through which the toleration limit of an organism is first reached, which acts, therefore, as the immediate restriction in one or more of its functions or activities or in its geographic distribution (Hanson 1962).
Mesic site:	Environmental situations characterized by moderate to moderately high moist conditions due to the presence of springs, seeps or attributable to edaphic characters. Excludes riparian system.
Pinch period:	A season during which either forest or water or both are minimal in their quantity, quality and distribution causing

stress in animal population. Generally the term addresses the welfare of herbivores species.

Riparian zone: An area identified by the presence of vegetation that requires free or unbound water or conditions more moist than normally found in the area (Minore and Smith 1971, Franklin and Dryness 1973).

Special habitat: A habitat which has a special function not provided by plant communities and successional stages, includes riparian zone, snags, dead and down woody materials and edge. Biological in nature, can be created or altered by management (Thomas 1979).

Talus: The accumulation of broken rocks that occurs at the base of cliffs or other steep slopes. (Thomas 1979).

Unique Habitats: Wildlife habitats of special function not included within the plant communities and successional stages or special habitats. They are geomorphic in nature e.g. cliff, cave, overhangs, shelves or ledge talus, crevices, key areas.

Zone of influence: The extent of area outside the legal PA boundaries over which wildlife damage problems of significance occur; excluding damage caused by itinerant elephant population not necessarily dependant on the PA and the extent of area settled by villages with people having a traditional PA based resource dependence, whichever is the greater area in extent. This is also considered as buffer zone.

ABBREVIATIONS USED

ACF	Assistant Conservator of Forests
CWLW	Chief Wildlife Warden
CEE	Centre for Environment Education
CPT	Cattle Proof Trench
DCF	Deputy Conservator of Forests
DPF	Demarcated Protected Forest
DRDA	District Rural Development Agency
EDC	Eco Development Committee
EPT	Elephant Proof Trench
FD	Field Director
FMD	Foot & Mouth Disease
FRI	Forest Research Institute
GIS	Geographical Information System
GPS	Global Positioning System
IUCN	International Union for Conservation of Nature and Natural Sources
JFM	Joint Forest Management
JFMC	Joint Forest Management Committee
JVP	Jagannath Vana Prakalpa
M&E	Monitoring and Evaluation
MFP	Minor Forest Produce
MPO	Management Plan Officer
MTR	Melghat Tiger Reserve
MP	Management Plan
NGO	Non Government Organisation
NP	National Park
NWFP	Non Wood Forest Produce
NTFP	Non Timber Forest Produce
PA	Protected Area
PRA	Participatory Rural Appraisal
PRF	Proposed Reserved Forest
PWD	Public Works Department
RF	Reserved Forest
TUZ	Traditional Use Zone
UNDP	United Nations Development Programme
USDFWL	United States Department of Fisheries & Wildlife
VSS	Vana Samrakhyana Samiti

WII	Wildlife Institute of India
WLS	Wildlife Sanctuary
WWF	World Wide Fund for nature conservation
ZI	Zone of Influence
ZP	Zilla Parishad

REFERENCES

1. A Manual for Planning Wildlife Management in Protected Areas and Managed forests by Vishwas. B.Sawarkar, WII, D. Dun.
2. Dr. C.R. Mohapatra's Working Plan for Angul (T) Division for the period 1970 – 1990.
3. Sri B.P.Singh's Working Plan for Angul (T) Division for 1990- 91 to 1999-2000.
4. Mr. S.B.Das's Working for Rairakhol Division for the period 1965 to 1985.
5. Mr. Dinesh Singh's Working Plan for Athamallik Division for 1985 to 2005.
6. Sri N.C. Bal's Working Plan for Nayagarh Division for the period 1983-84 to 2002-03.
7. Sri Basudev Mohapatra's Plan for Boudh Division for 1975-76 to 1994-95.
8. Sri G. Mohapatra's Working Plan for Athgarh Division for
9. First Management Plan for Satkosia Gorge Sanctuary prepared by Sri A.K.Mishra for the period 2000 to 2010.
10. Rainfall, Temperature Data from Central Water Commission at Tikarapada.
11. Rainfall, Temperature, Humidity data from Office of Collector, Angul District.