

ANNUAL PLAN OF OPERATIONS

FOR

SITAMATA SANCTUARY



Flying Squirrel

YEAR 2007-2008

**DEPUTY CONSERVATOR OF FOREST (WILDLIFE)
CHITTORGARH (Raj.)**

ANNUAL PLAN OF OPERATION OF “Wildlife Sanctuary Sitamata”

For the Year 2007-2008

1- NAME OF SANCTUARY: - "Sitamata Wildlife Sanctuary"

(i) The Sitamata Wildlife Sanctuary:-

It is one of the prides of most unique ecosystem with IInd richest biodiversity of flora & fauna in Rajasthan.

As the name itself explains its historical & religious importance, people believe that The Devi Sita had spent her days of exile in this forest, where the Ashram of Rishi Valmiki was situated thus sanctuary bears the name of Devi Sitamata and her famous temple is situated in the heart of the Sitamata forest area of sanctuary.

Earlier these areas were hunting grounds of his highness of Pratapgarh i.e Bhanva Shikargah and Arampura Kuntharia area of the sanctuary was the shikargah of the jagirdars of Bansi.

(ii) Location-

Sitamata Wildlife Sanctuary is situated in the South-East region of the Rajasthan in Chittorgarh & Udaipur districts, where three very ancient mountain ranges of India namely the Aravallis, the Vindhayas and the Malva plateau meets together thus forming the Northwestern limits of Teak Forest. This results into unique Biodiversity of which many species are yet to be identified.

Sitamata is situated between 74⁰ 25' E and 74⁰ 40' E East longitude and 24⁰ 04' N and 24⁰ 23' N North latitude

(iii) Approach-

Sitamata Wildlife Sanctuary lies on Udaipur –Pratapgarh State highway at a distance of 100 km. and 60 kms. from Udaipur & Chittorgarh respectively. Nearest Railway station is Barisadri on Mavali Jn.-Barisadri Metregauge. The nearest Airport is Maharana Pratap (Dabok) Airport Udaipur at a distance of 80Km. Taxies and buses are available from all these places to reach The Sanctuary

2- LEGAL STATUS:-

Sitamata forest came into existence as wild life sanctuary vides Govt. of Rajasthan Notification No.F-11(9) Revenue / 8 / 78 dated 2-11-79. It comprises 422-95Sqm. area of 28 forest blocks of Dhariyawad Tehsil in Udaipur district and Pratapgarh, Chotisadri, Barisadri Tehsil in Chittorgarh district in Rajasthan. Final notification No. is 2197-2203 dated 19.8.98 by Collector Udaipur and No. 970 dated 20.8.98 and 886 dated 10.9.98 by Collector Chittorgarh.

District wise / Legal Status area

| S. No. | District | Tehsil | Reserve Forest | Protected | Unclassed | Total |
|--------|--------------|------------|-----------------|----------------|-----------|-----------------|
| 1. | Udaipur | Dhariyawad | 6335.00 | 1491.00 | -- | 7826.00 |
| 2. | Chittorgarh | Pratapgarh | 19274.00 | 3670.70 | -- | 22944.00 |
| 3. | --"-- | Chotisadri | 4102.10 | ---- | -- | 4102.00 |
| 4. | --"-- | Barisadri | 6249.20 | 1172.50 | -- | 7421.10 |
| | Total | | 35960.30 | 6334.20 | -- | 42294.50 |

3- NUMBER OF VILLAGES WITH IN PA-

The following revenue villages exists inside the sanctuary-

- | | |
|-----------------------------|------------------------------|
| 1- Ambaretti (Dist.Udaipur) | 2- Rana |
| 3- Anoopura | 4- Pal |
| 5- Talab | 6- Deepon ka talab |
| 7- Kalakhet | 8- Khaled |
| 9- Mandkalan | 10- Khairvelli(Dist.Udaipur) |
| 11- Jambuvella | 12- Gadvella |
| 13- Keli | |

4- STATUS OF SETTLEMENT OF RIGHTS:

The rights of the villagers in wild life sanctuary have been settled earlier under section 24 of the wildlife (Protection) Act 1972However in compliance of order of Hon'ble Supreme Court of India in I.A. No.548 dated 11.5.2001in respect of I.A. No.617&619 villagers are not allowed to exercise existing rights in the Sanctuary.

5- MANAGEMENT PLAN (2003-04 TO 2012-13):

The Management plan for the year 2003-2004 to 2012-13 was approved by the Chief Wild Life Warden Rajasthan vide order no. F. () Dev. / CWLW /1720 dated 27.11.2003

6- CENSUE:

(POPULATION FIGURES OF IMPORTANT WILD ANIMALS DURIND LAST FIVE YEARS)

As per the Census conducted during previous years the estimated figures of the important animal species in the sanctuary are listed below:-

| S. No. | Name of Species | No. of animals during the year | | | |
|--------|------------------------|--------------------------------|------|------|------|
| | | 2003 | 2004 | 2005 | 2007 |
| 1. | Panther | 42 | 47 | 50 | 43 |
| 2. | Hyena | 53 | 71 | 81 | 57 |
| 3. | Jackal | 343 | 326 | 306 | 323 |
| 4. | Neel-gai | 133 | 326 | 255 | 388 |
| 5. | Chinkara | - | - | 2 | 3 |
| 6. | Bhedal | 79 | 114 | 81 | 111 |
| 7. | Wild Bore | 147 | 195 | 162 | 167 |
| 8. | Jungle Cat | 84 | 71 | 78 | 71 |
| 9. | Fox | 96 | 113 | 105 | 52 |
| 10. | Porcupine | 53 | 70 | 59 | 72 |
| 11. | Alligator | 22 | 10 | - | - |
| 12. | Civet | 82 | 101 | 119 | 123 |
| 13. | Pangolin | 33 | 37 | 8 | 3 |
| 14. | Python /Snake | 04 | 06 | 04 | - |
| 15. | Tortoise | - | - | - | - |
| 16. | Flying Squirrel | 36 | 34 | 42 | 21 |
| 17. | Peacock | 244 | 687 | - | 372 |
| 18. | Monkey | 2785 | 3198 | 4305 | 2244 |
| 19. | Rabbit | 201. | 208 | 218 | 187 |
| 20. | Mongoose | 173 | 237 | 242 | 295 |
| 21. | Jungle Fowl | 531 | 687 | 597 | 560 |
| 22. | Owl | - | - | - | 142 |
| 23. | Monitor Lizard | - | 82 | 93 | 49 |
| 24. | Sambhar | 05 | 08 | 04 | - |
| 25. | Hawk | - | - | 76 | 54 |
| 26. | Wolf | - | - | -- | - |
| 27. | Vulture | 136 | 216 | 30 | 15 |
| 28. | Owlet | - | - | 107 | - |
| 29. | Saras | 12 | 15 | 08 | 8 |
| 30. | Harial | - | - | - | - |
| 31. | Eagle | - | - | - | 41 |
| 32. | Cheetal | - | 01 | 04 | 3 |
| | Fruit Bat | | | 04 | 6 |
| 33. | Crocodile | - | - | 11 | 8 |
| 34. | Halen Miya (Chameleon) | - | - | 01 | - |
| 35. | Pea Fowl | - | - | 448 | - |
| 36. | Eagle | - | - | 02 | 39 |
| 37. | Common Sand grouse | - | - | 571 | - |
| 38. | Grey Partridge | - | - | 414 | 633 |
| 39. | Parakeet | - | - | 241 | 369 |
| 40. | Quail | - | - | - | 423 |

7. ANIMALS FOUND IN THE SANCTUARY:

The Sitamata wild life Sanctuary is known for Flying Squirrel and panthers. However it is an ideal Habitat for herbivores, carnivores and variety of territorial, arboreal and water birds.

Biota

Sitamata is one of the richest sanctuaries from the biota point of view. Nearly 50 species of mammals, 275 species of Birds, 40 species of reptiles, 9 species of amphibians, 30 species of fishes and more than 800 species of plants have been listed in the Sanctuary. This Sanctuary can be considered as “hot spot” of Rajasthan for floral and faunal diversity point of view. Northern moist distribution limit of many ducan elements are passing through the Sitamata. Flying Squirrels, Four horned antelope, Tree Frog, Ratal, Indian pangolin, etc. can be seen here. This Sanctuary is famous for Four horned Antelopes and considered as best Chousinga Sanctuary of state. Once it was famous for mouse deer and wild dog also.

Birds like Grey jungle fowl, Aravalli red spur fowl, Green Pigeon, Alexandrine parakeet, Stork-billed kingfisher, Indian pitta, Black-headed oriole, Indian paradise Flycatcher, Yellow-checked Tit, Purple-rumped sun bird etc. can be seen in sylvan environs of the Sitamata. Lesser Floricans are worth seeing over here during monsoon at eastern outskirts of Sanctuary.

Sitamata Sanctuary is very rich in floral elements too. It is famous for climbers, lianas, tuberous plants and orchids, Leea macrophylla, costus species, Firmiame locorata, Buchanania lanzan, Oroxyllum indicum, Steospermum shaveolens, Euphorbia acanalis, Neurocanthus spliocrostachys, Artennisiani lagirica, Nervilia aragoane, Vanda tessellata, Curcuma pseudomontana, Peperomia pellucida, etc. are important rare species as far as Rajasthan is concerned. These species are fairly in good number over here. Sitamata is also rich in Ferns and Bryophyte.

Sitamata is also known for medicinal plants. As many as 108 species of medicinal plants have already been identified, Sitamata forest harbors 13 of the 32 endangered medicinal plants listed by National Medicinal plant board New-Delhi.

8. FOREST TYPE AND SPECIES: -

The floral constituents of the Sitamata wildlife Sanctuary are mostly edapho-climax. As per the Champion & Seth's classification the forest of this sanctuary falls under II category of Tropical Dry Deciduous Forest, which can be Sub classified as:

Group 5: Tropical Dry deciduous Forest

Sub Group 5B: Northern Tropical Dry deciduous forest

C₂ Northern Tropical Dry mixed deciduous forest

The main species dominating are *Tectona grandis*, *Wrightia tintoria*, *Boswellia serrata*, *Lannea grandis*, *Madhuca indica*, *Pongamia pinnata*, *Dendrocalamus strictus*, *Sterculia urens*, *Butea monosperma*, *Anogeisus latifolia*, *Syzygium heynainum*, *Adina cardifolia*, *Diospyrus malanoxylon*, orchids, tuberos plants etc.

9. STAFF POSITION:-

| S. No. | Name of Post | Sanctioned strength | Posted | vacant |
|--------|--------------------------------|---------------------|--------|--------|
| 1. | Assistant Conservator Forest | 1 | 1 | Nil |
| 2. | Range Forest officers Grade I | 3 | 3 | Nil |
| 3. | Range Forest officers Grade II | 1 | 1 | Nil |
| 4. | Foresters | 9 | 8 | 1 |
| 5. | Assistant Forester | 7 | 5 | 2 |
| 6. | Forest Guards | 38 | 32 | 6 |
| 7. | work charged staff | 67 | 37 | 30 |

10. TRAINED WILDLIFE STAFF :-

The staff posted in the sanctuary is not specially trained in the wildlife management; however the staff personnel's are trained in wild life basic knowledge by the Department during their induction training.

11. ENTRY FEE CHARGED: -

Since October 1999 the following entry fee is being charged from the visitors as per orders issued by state Govt.:-

| S. No. | Particulars | Entry Fee (In Rs.) |
|---|--|---------------------|
| A Individuals | | |
| 1- | Indian citizens | 10.00 |
| 2- | Non Indian citizen | 80.00 |
| 3- | Students (Indian) | 02.00 |
| B. Vehicles (In addition to column 'A') | | |
| 1- | Bus | 100.00 |
| 2- | Gypsy, Car, Jeep, Mini Bus | 65.00 |
| 3- | Auto driven two wheelers | 10.00 |
| C. Camera Fee (For other than still cameras) | | |
| 1- | Movie 8 mm-16mm and video camera used by amateur photographers | 200.00 Per day |
| 2- | . Video camera and movie camera used by professional photographers | 3,000.00 Per day |
| 3- | Movie and video camera used for feature films | 20,000 Per day |

12. TOURIST VISITED THE SITAMATA SANCTUARY DURING LAST YEARS ARE AS UNDER:-

| YEAR | TOURISTS | | | |
|---------|----------|-----------|----------|-------|
| | INDIAN | FOREGINER | STUDENTS | TOTAL |
| 1999-2k | 91 | 05 | 22 | 118 |
| 2000-01 | 432 | 01 | 06 | 438 |
| 2001-02 | 615 | 19 | 20 | 834 |
| 2002-03 | 932 | 26 | 14 | 972 |
| 2003-04 | 507 | 23 | 245 | 775 |
| 2004-05 | 1675 | 15 | 2273 | 2273 |
| 2005-06 | 2494 | 41 | 289 | 2824 |
| 2006-07 | 3315 | 24 | 561 | 3900 |

13. FILM SHOOTING AND VEDIOGRAPHY DURING LAST FIVE YEARS : -

No Film shooting / documentary have been done during the last five years.

14. POSTAL ADDRESS :-

Wild life warden
Wildlife Sanctuary Sitamata
Dhariyawad, District Udaipur (Rajasthan)

15. FUNDS PROVIDED UNDER STATE PLAN DURING THE LAST FIVE YEARS :-

Provision of funds in state plan during last five years for wildlife sanctuary Sitamata is as under –

| 2001-2002 | 2002-2003 | 2003-2004 | 2004-2005 | 2006-07 |
|-----------|-----------|------------|------------|-----------|
| 52.30Lac | 4.26Lac. | 103.35Lac. | 91.13 Lac. | 5.22 Lac. |

16. FUNDS PROVIDED UNDER OTHER SCHEMES FOR SANCTUARY:-

Provision of funds in other Schemes during 2006-2007 for wildlife sanctuary Sitamata is as under

| S. No. | Name of the scheme | Amount Rs. in lac | Actual Expenditure | S. P. |
|--------|---|-------------------|--------------------|-------|
| 1. | Rajasthan Forestry and Biodiversity Project | 101.96 | 101.96 | - |
| 2. | Famine Relief | 81.10 | 51.10 | - |
| 4. | C.S.S. | 6.00 | 5.923 | - |

17. STATUS OF SURVEY AND DEMARCATION OF BOUNDARIES:

The Sanctuary comprises 28 Forest blocks which are listed as under-

| S. No. | Name of the Forest Block | Area | | |
|----------------|--------------------------|-----------------|----------------|-----------------|
| | | R.F. | P.F. | Total |
| 1 | Adaghata | 1465.20 | - | 1465.20 |
| 2 | Ambareti | 3404.00 | - | 3404.00 |
| 3 | Bhenwa | 6141.60 | - | 6141.60 |
| 4 | Banka khair | 949.50 | - | 949.50 |
| 5 | Borundi | 994.30 | - | 994.30 |
| 6 | Doodhlimata | 1107.60 | - | 1107.60 |
| 7 | Jhaveli | 305.60 | - | 305.60 |
| 8 | Kalakhet | 1310.20 | - | 1310.20 |
| 9 | KaterBhatiyani | 645.60 | - | 645.60 |
| 10 | Mamadev | 597.20 | - | 597.20 |
| 11 | Mandivela | 444.20 | - | 444.20 |
| 12 | Pal | 7109.50 | - | 7109.50 |
| 13 | Panchguda | 1508.00 | - | 1508.00 |
| 14 | Ranigarh | 1779.10 | - | 1779.10 |
| 15 | Richri | 52.30 | - | 52.30 |
| 16 | Sitamata | 5021.30 | - | 5021.30 |
| 17 | Satpura | 1493.60 | - | 1493.60 |
| 18 | Umervella | 208.50 | - | 208.50 |
| 19 | Amba | - | 398.00 | 398.00 |
| 20 | Charni | 982.00 | - | 982.00 |
| 21 | chicklar | - | 185.10 | 185.10 |
| 22 | Dabela | - | 254.00 | 254.00 |
| 23 | Gyaspur | - | 2850.00 | 2850.00 |
| 24 | Gundalpur | - | 659.60 | 659.60 |
| 25 | Kharwelly | - | 1093.00 | 1093.00 |
| 26 | Lalpura | - | 258.90 | 258.90 |
| 27 | Nanglia | 441.00 | - | 441.00 |
| 28 | Saripipli | - | 635.60 | 635.60 |
| TOTAL : | | 35960.30 | 6334.20 | 42294.50 |

18. NUMBER OF NATURAL/UNNATURAL DEATH INCLUDING POACHING/ACCIDENTAL DETAIL W.R.T. SCHEDULED ANIMALS REPORTED: -

Information enclosed (Annexure -I)

19. FIRE INCIDENTS IN THE SANCTUARY: -

The Forest of the Sanctuary are prone to forest fires, Occasionally ground fires incidences occur during summer which are controlled with the help of local people of Eco-Development Committees . Existing fire lines are maintained regularly subject to the availability of funds.

During 2005-2006 Existing fire lines were maintained under Rajasthan Forestry and Biodiversity Project with an amount of 1.90 Lac Rs.

20. TYPES & NO. OF WEAPONS AND HOW THEY PUT TO USE:-

Department has provided following weapons which are used by staff and officers during patrolling in the Forest area to prevent illicit felling and pouching: -

| S. No. | Name of weapon | Nos. |
|---------------|-----------------------|-------------|
| 1- | Revolver 32caliber | 01 |
| 2- | 12 Bore double barrel | 01 |
| 3- | 12 Bore single barrel | 02 |
| 4- | Country topidar Gun | 05 |

21. TYPES & NUMBER OF VEHICLES AND HOW THEY ARE PUT TO USE AND WHETHER PURCHASED FROM CENTRAL/STATE FUNDS:-

Previously there were four motor cycles and, three Hero Puch for patrolling of subordinate staff and Range officers but all these became un-operational and were sent to State Motor Garage. Similarly one Jeep of wild life warden R.J. 27 C 2492 was also condemned and sent for auction to state motor garage

| S. No. | Type of vehicle | Registration No. & make model | Condition of vehicle | How they are put in use |
|--------|-----------------|--|------------------------------|--|
| 1. | Jeep | RJ-14,UA-6202 Mahindra Marshal | O.K. | Used by wildlife warden in patrolling & inspection of the sanctuary. |
| 2. | Tractor | RJ 09 R 1404 | Very old and expensive | used in carrying plants from Nurseries and soil & material for nurseries and sites |
| 3. | Canter | RJ 27 G 2926 | Very old and expensive | Used by Flying Squad in Protection work |
| 4. | Motor cycle | RJ 09 SA8791 RJ 09 SA8792 RJ-09 SB 1018 RJ-09 SB 3750 | O.K. O.K. O.K. O.K. | RO Barisadri RO Jackham RO Dhariawad Naka Munjwa |

Local population is mainly of poor tribal who depends on forest produces for their livelihood. The Forest area of Sanctuary is full of cash crop of valuable timber species like Teak and Bamboo with other minor forest produces so it becomes very necessary to provide 4 motor cycle to foresters for the protection purpose.

One open soft top Mahindra Bolero (invader) is also essential to promote Eco-Tourism in wildlife Sanctuary Sitamata.

22. NUMBER OF VARIOUS TYPES OF WIRELESS SET AND HOW THEY PUT TO USE:-

There are Fixed sets and Mobile handsets are available with the staff for communication in wildlife Sanctuary Sitamata. Detail of which are as follows:-

| S. No. | Place of use | Mobile set | Fixed set | Hand Set |
|--------|--|------------|-----------|----------|
| 1. | Jeep of WLW (A.C.F.) | 1 | 1. | |
| 2. | Canter of Flying Squad Barisadri RJ27 G 2926 | 1 | 1. | |
| 3. | Range office Barisadri | | 1. | 1. |
| 4. | Forest Naka Kewalpura | | | 1. |
| 5. | Forest Naka Saripipli | - | - | 1 |
| 6. | Forest Naka Munjwa | - | - | 1 |
| 7. | Range office Dhariyawad | - | 1 | 1 |
| 8. | Forest Naka Debela | - | 1 | 1 |
| 9. | Forest Naka Arampura | - | 1 | 1 |
| 10. | Forest Naka Rana | - | - | 1 |
| 11 | Forest Naka Pancha guda | - | 1 | 2 |

| S. No. | Place of use | Mobile set | Fixed set | Hand Set |
|---------------|-----------------------|------------|-----------|-----------|
| 12. | Forest Naka Pal | - | 1 | 1 |
| 13. | Range office Jackham | - | 1 | 2 |
| 14. | Forest Naka Anooppura | - | 1 | 1 |
| 15. | Forest Naka Gayaspur | - | - | 1 |
| 16. | Forest Naka piplia | - | - | 1 |
| Total: | | 2 | 10 | 16 |

23. No. OF BEATS /SECTIONS /RANGES:-

For the management of sanctuary the whole area has been divided in the following units: -

| S. No. | Name of Range | No. of section | No. of Beats |
|--------------|-------------------------|----------------|--------------|
| 1. | Range office Barisadri | 6 | 17 |
| 2. | Range office Dhariyawad | 4 | 10 |
| 3. | Range office Jackham | 4 | 14 |
| Total | | 14 | 41 |

24. HOW OFTEN THE VEHICLES ARE REQUISITIONED BY THE DISTRICT ADMINISTRATION:-

The vehicles of wildlife are not requisitioned by district administration.

25. MAJOR PROBLEMS IN THE AREA:-

Since it is a tribal belt. The Local population of poor tribes depends on these forest produces for their livelihood .The Forest area of Sanctuary is full of cash crop of valuable timber species like Teak and Bamboo with other minor forest produces so the major problem with the Sanctuary is illicit felling associated with Encroachment. To conserve the biodiversity of the sanctuary, it is very necessary to relocate the encroacher tribals, and provide them regular employment till the relocation is done. Staff of sanctuary must be increased. Hard duty allowance & other facilities must be provided to staff. Four wheelers, two wheelers are necessary for better management. The sensitive parts of the sanctuary must be covered with a Pacca wall.

26. TENURE OF LAST 5 INCUMENTS /INCHARGES OF SANCTURY:-

| S. No. | Name of officer | Rank | Duration |
|---------------|------------------------|------------------------------|----------------------|
| 1. | Sh. Laxman L. Parmar | Assistant Conservator Forest | 1.4.97 to 30.8.98 |
| 2. | Sh.G.S.Rathore | Assistant Conservator Forest | 1.10.98 to 17.5.99 |
| 3. | Sh. Laxman L. Parmar | Assistant Conservator Forest | 17.5.99 to 9.07.99 |
| 4. | Sh.G.S.Rathore | Assistant Conservator Forest | 9.7.99 to 17.2.03 |
| 5. | Sh.L.S. Ranawat | Assistant Conservator Forest | 19.2. 03 to30.12.04 |
| 6. | Sh. V.P.Bhatanagar | Range forest officer | 31.12.04 to 30.7.05 |
| 7. | Sh. R.M.Sheikh | Assistant Conservator Forest | 30.7.05 to till date |

27. ANY OTHER RELEVANT INFORMATION:

Sanctuary can be developed as ecotourism places, which require special attention. The Sanctuary is ideal and unique place for nature lovers and tourists. The Sitamata temple, Valmiki asharam, Hanuman Mandir are some religious places and also fit for camping of tourists

Arapura, Jakham Dam, Deepon ka Talab are important landmarks where many tracks and paths exist in the Sanctuary .these places are suitable for trekking and horseback riding to enjoy the natural beauty with close quarters.

Wild life lovers can enjoy at python point at Ranigarh and khervali . Arapura on road is an ideal point to watch nocturnal, Flying Squirrels 1, Jackham dam and Jackham River provides opportunity to see Crocodiles and chelons, Elegant Grey Jungle fowl are frequent at Sitabari, Sitamata Kherveli and Ambarati and panthers, pangolin, wild bore, and other wild animals can be viewed at above tracking paths.

DETAILS OF WORKS PROPOSED SITAMATA SANCTUARY FOR YEAR 2006-07

[The details of work proposed under c.s.s. at Sitamata wild life sanctuary as per priority]

PRIORITY

1- Habitat Protection: -

As the area of the wild life Sanctuary Sitamata Consists of very rich bio-diversity with a important timber species Teak (*Tectona grandis*), Bamboo and the tribal people who depends on forest, cuts these trees and sale them to contractors as an when they get chance. The tribes also tries to encroach the forest land and poach the wild animals so it becomes very necessary to protect area form illicit Felling, illegal grazing, encroachments and poaching which needs regular patrolling.

To prevent encroachment it is very necessary to have a clear demarcation of the forest area and fine knowledge of boundary to staff. It requires preparation of beat maps and construction of boundary. Canter for flying squad, 4 motorcycles for foresters and staff is proposed in plan for better management.

Forest area of the Sanctuary Consists of dry deciduous crop so after march April lot of leaves & grasses fall on the land and cause ground fire which damages regeneration in flora and Fauna so construction and maintenance of fire lines and purchase of Fire fighting equipments are proposed in the plan.

To ensure control over movement of forest produce, grazers, and miscreants and to curb the possibilities of poaching check post and wireless system with telephone at wildlife warden office is necessary hence proposed.

2- Habitat Improvement: -

With a result of excessive Biotic pressure mainly due to grazing and other factors the habitat is disturbed, to check these disturbances and improve habitat by reducing cattle and human interference in the sanctuary area construction of pucca wall i.e. 3173 Rmt. is proposed .

Two New Check Barriers are sanctioned by Principal Chief Conservator of forest & Chief wild life warden Rajasthan. Rupees 6.00 lacs are proposed to erect 2 barriers.

3-Water Availability:-

Rain fall of the area is irregular. So it becomes necessary to support the water supply to flora and fauna by creating water harvesting structures in the area to reduce waste flow of rain water the construction of anicuts, water holes and culvert cum stop dams are proposed. This will serve two purposes, one to improve habitat and another to enhance protection effectiveness by providing proper passage even during the rainy season.

The existing water structure in the sanctuary Sitamata named as the Deepo ka Talab at Barisadri range will be improved by raising the existing earthen wall to increase its capacity.

4- Works to Improve Food Chain :-

It is an important part of Wildlife management and conservation to provide proper ratio of herbivore & carnivore, in the sanctuary for this purpose a relocation center is being created in the Arampura by constructing a pucca wall around an approximate area of 700 hect. The major part of Pucca wall has already been constructed in previous years and remaining wall with moisture conservation measures and pasture development works are proposed in present plan.

5- Improvement of Amenities & Facilities to the Staff :-

It is essential for effective protection and development of sanctuary area to ensure regular presence of staff in the protected area, so a office cum residence of R.O flying squad and forester residence building is proposed in the plan.

6- Purchase of necessary Equipments: -

For better management of wildlife and sanctuary some equipment like tranquilizing guns with medicine and refrigerator to keep medicines, Digital & video camera, Still camera and binocular, computer with printer are necessary in wildlife warden office, so these are proposed in the current plan.

7- Promotion of Eco-tourism:-

To create awareness about the eco-system and wildlife, environmental eco-tourism is very important and interesting part. So to promote the eco-tourism some works like development of nature trail, maintenance of roads and rest houses with camping sites are proposed to educate the public about wildlife and environment.

8- Publicity & advertisement: -

For generating awareness among the people and tourists about the Flora & Fauna of the Sanctuary and about the important visiting places in the Sanctuary, safety measures and ways to approach the Sanctuary, the publicity is necessary, so the provision of Sinages, Posters and brochure is provided in the plan.

DETAILS OF ITEM OF WORKS PROPOSED
Wild Life Sanctuary Sitamata
FOR THE YEAR 2007-08

| S. No. | Item Of Work | Para of Management Plan Which specifies the Item | Quantity | Rate Per Unit | Total Amount Required | Location | Side Specific Justification |
|--------|---|--|--------------|----------------------|-----------------------|----------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | <u>Habitat Protection</u> Survey Demarcation and Construction of boundary Pillar | 1 (a) | -- | -- | 0.50 | Forest Blocks of Sanctuary | To prevent Encroachments |
| 2. | <u>Purchase and Maintenance of Vehicles</u> (i) Replacement & purchase of Canter For Flying Squad (ii) Motorcycle for forester | 1 (a) (i) (iv) | 1 4 | 6.50 0.50 | 6.50 2.00 | Sanctuary Area | for intensive Patrolling & Supervision of wild life and development works |
| 3. | <u>Development & maintenance of telecommunication system and tax payment</u> (i) Wireless Network (a) fix (b) Handsets (c) Maintenance & Royalty of wireless Sets (c) Telephone for Wildlife Warden | 1 (d) (1) (i) (2) | 2 5 1 | 0.40 0.15 0.15 | 0.80 0.75 0.15 | -- | For fast Communication against the movement of offenders & movement of wild animals |
| 4. | <u>Development of combating measures for fire incidents</u> (i) Purchase of fire fighting equipments (ii) Construction & Maintenance of Fire lines | 1 (e) (ii) | - 50 K.M. | - 0.03 | 0.30 1.50 | Sanctuary Area | for fire combating in the Sanctuary area |
| 5. | <u>Construction of check post cum Forest Guard Chowki</u> | 1 (e) (ii) | 2 | 3.50 | 7.00 | Sanctuary Area | - |

| S. No. | Item Of Work | Para of Management Plan Which specifies the Item | Quantity | Rate Per Unit | Total Amount Required | Location | Side Specific Justification |
|--------|---|--|------------------|------------------------------|-------------------------------|--|---|
| 6. | Habitat Improvement (i) Providing Protective measures against illicit cutting and illegal grazing through Pucca wall. around Sanctuary | 2 (a) | 3173Rmt. | 0.01 | 31.73 | Peripheral Area of the Sanctuary | On outer boundary of the Sanctuary. |
| 7. | Improving Water Availability (i) Construction of Anicut (ii) Construction of Anicut on the river Tankiya and river Sitamata. (iii) Repair/Maintenance of existing water holes & moisture conservation structure. (iv) Construction of Culvert cum stop dam | 2 (e) (i) (iv) (iv) | 1 2 – 2 | 5.00 6.00 2.00 2.00 | 5.00 12.00 2.00 4.00 | Ghodaghati Tankiya river & Sitamata river Sanctuary Area | Improving Water Availability for wild Animal in the protected area. Budget of Rs.3.00 lacs was sanctioned in APO 05-06 only 0.32 lacs has been spent due to payment of pending liability of the year 04-05. |
| 8. | Conservation & improvement of Biodiversity & Medicinal Plants 50 Hect. | 2 (f) | 50Hect. | 0.15 | 7.50 | -- | Conservation & improvement of Biodiversity |
| 9. | Works to Improve Food Chain Completion of Relocation Center at Arampura (Construction of remaining wall & other works) | 3 (i) | 0.627 km. | 10.00 | 6.27 | Relocation Center at Arampura | Improve Food Chain_for wild Animal in the protected area |
| 10. | Improvement of Amminites & Facilities to the Staff (i) Office Com Residence of R.O. Flying Squad | 4 a (i) | 1 | 6-00 | 6.00 | Sanctuary Area | to create infra Structure for the Staff working in the protected area |

| S. No. | Item Of Work | Para of Management Plan Which specifies the Item | Quantity | Rate Per Unit | Total Amount Required | Location | Side Specific Justification |
|--------|---|--|------------------------------------|---|--|---|---|
| 11. | <u>Purchase of necessary Equipments</u> (i) Tranquilizing Gun with Medicines (ii) Fridge to Store medicine (iii) Video & Still Cameras (iv) Binoculars (v) Computer with printer for wildlife warden Office at Dhariyawad (vi) Office Equipments (vii) Purchase of Solar lights for remote nakas and chowkies to recharge batteries of wireless and light | 4b(i)(ii)(iii)(iv) (v) | 1 1 1+4 5 1 -- 4 | 2.00 0.15 - 0.03 1.00 -- 0.20 | 2.00 0.15 0.80 0.15 1.00 0.50 0.80 | For Wildlife warden office at Dhariyawad | For management of wild animals in the Sanctuary area |
| 12. | <u>Promotion of Eco-Tourism</u> (i) Development of nature trail (ii) improvement and Maintenance of existing Roads and Paths(Culverts) (iii) Improvement & Maintenance of existing Forest Rest Houses at Barisadri, Arampura (iv) Development of camping sites (v) Educational Material (vi) Maintenance of Arms and purchase of ammonization | 5a(i)(ii)(iii)(iv) (v) | 5 -- -- -- -- | 0.30 -- -- -- -- -- | 1.50 3.00 2.00 0.40 0.40 0.50 | At Sitabari Sanctuary Area Barisadri ,Arampura , Jakham , Punga talab | to promote Eco-tourism and awareness in the Local people in and around the protected area |
| 13. | <u>Publicity & Advertisement</u> (i) Brochures printing Sign boards & Posters | 7 a b | -- -- | -- -- | 0.20 0.70 | Around the protected area | Awareness among the Local people in and around the protected area |

| S. No. | Item Of Work | Para of Management Plan Which specifies the Item | Quantity | Rate Per Unit | Total Amount Required | Location | Side Specific Justification |
|-----------------|---|--|----------|---------------|-----------------------|----------------------------------|--|
| 14. | <u>Eco-Development of villages</u> (i) Breed improvement through artificial insemination (ii) vaccination & Treatment of cattle (iii) Women Empowerment through developing Skill in women | 10 b(i)(ii) | -- | -- | 0.20 0.30 0.50 | In and around the protected area | To reduce the Cattle pressure on the protected area and prevent wild animal from infection through |
| 15. | <u>Compensation for cattle kill and loss to human life</u> | -- | -- | -- | 0.50 | --"-- | To generate confidence among villagers about P.A. and management |
| 16 | <u>Census</u> | -- | -- | -- | 0.10 | --"-- | Estimation of wild animals for scientific management |
| TOTAL :- | | | | | 110.00 | | |

OFFICE OF THE DEPUTY CONSERVATOR OF FOREST WILD LIFE CHITORGARH
NATURAL/ UN - NATURAL ACCIDENTAL/ POACHING/ DETAILS OF WILD ANIMAL IN THE SANCTARY

| S. No. | Details of Offences/ Types of Offences | | Year of Offences | Present Position | Remarks, if any |
|--------|--|--|------------------|-----------------------|---|
| | FIR NO./ Date | Details of Offences | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | 146-40/13.6.96 | One Neelgai was over run by bus no. Rj -09 P0284 on Bansi Dhariyawad Road | 1995-96 | In court trial | Court trial is in progress in Badisadri court |
| 2. | 284-20/20.12.96 | One male panther found dead in forest land in Range Jakham | 1996-97 | Pending in Department | Reasons of death not known but looks natural hence process of final report is under progress. |
| 3. | 278-38/16.7.96 | One male hyaena was found dead in forest land of Range Dhariyawad | 1996-97 | Pending in Department | Reasons of death not known but looks natural hence process of final report is under progress. |
| 4. | 280-26 / 1.4.97 | One Alligator was found dead in Range Badisadari | 1997-98 | Pending in Department | Poachers were not traced till now hence process of final report is under progress. |
| 5. | 668-33/8.5.2000 | Moving in sanctuary with gun without permission. | 2001-02 | In court trial | Court trial is in progress in Badisadri court |
| 6. | NIL/19.1.05 | One Panther female was found dead in Amba-B block. | 2004-05 | NIL | Post - mortem revealed that the death was natural. |
| 7. | Nil/27.10.05 | One male Panther was found dead on Dhariawad-Salumber road in the forest area of Pratapgarh division (Out of sanctuary forest) | 2005-06 | Nil | Post-mortem carried by board. Cause of death was due to collision with some vehicle. |
| 8. | Nil/25.11.06 | One Hyena was found dead near village Mayda in road accident. | 2006-07 | No | Post-mortem carried by board. |

ANNEXURE -E.1

FOR WIRELESS SETS

| Item of work | Total requirement of sanctuary | Already available with the Sanctuary | Where and to what use the existing | Year of procurement | Remarks |
|-----------------|--------------------------------|--------------------------------------|------------------------------------|---------------------|---------|
| (i)Fix sets | 13 | 10 | Details is provided in Para No. 22 | 2001-02 | - |
| (ii)Mobile sets | 3 | 3 | | 2002-03 | |
| (iii) Hand sets | 18 | 16 | | 2003-04 | |

ANNEXURE -E.2

FOR VEHICLES

| Item of work | Total requirement of sanctuary | Already available with the Sanctuary | Where and to what use the existing | Year of procurement | Remarks |
|--------------|--------------------------------|--------------------------------------|------------------------------------|---------------------|---|
| Jeep | 4 | 1 | Used by Wildlife warden | 2006 | - |
| Canter | 2 | 1 | Used by flying squad. | 1989 | Very old and proposed for condemnation. |
| Tractor | 3 | 1 | Used for transportation | 1994 | - |
| Motorcycle | 8 | 4 | Use by Range Officer | 2005 | - |

ANNEXURE -E.3

FOR FIRE ARMS

| Item of work | Total requirement of sanctuary | Already available with the Sanctuary | Where and to what use the existing | Year of procurement | Remarks |
|---------------------------|---------------------------------------|---|---|----------------------------|----------------|
| Revolver 32caliber | 4 | 1 | Use by Wildlife Warden | 2000-01 | |
| 12 Bore double barrel gun | 5 | 1 | Use by forester at Nakas | 2003-04 | |
| 12 Bore single barrel | 3 | 2 | Use by forester at Nakas | ---"--- | |
| Country topidar | 6 | 5 | Use by forester at Nakas | ---"--- | |

