

### **Past System Management:-**

**General :-** Initially all the forests of Chatra South Division were under private control of Raja of Ramgarh. Under Section 38 of Indian Forests Act, the management of these forests were brought under control State in 1924 and 1943. In year 1947, the agreement under section 38 of Indian forest Act was determined and all the forests of Ramgarh estate were constituted as private protected forest under Bihar private protected forests Act. 1947. On the enforcement of land Reform Act, 1947. On the enforcement of Land Reform Act, the ownership of all the forests of this division was vested in the state and subsequently, all the forests were notified under section 29 (3) of Indian Forest. Act.

**Administrative History:-** The Forests of the Ramgarh estate, whose management had been taken over by the State, were looked after by the private estated Forests officer attached to the Direction Division till 1943. The Hazaribagh Forest division was created on 01.11.1943 for managing the forests in the districts of Hazaribagh 43 R dated the 14th October 1942. After the enforcement of the Bihar private Forests Act in 1947, a forest subdivision called the Chatra Forests Division under the Hazaribagh Division was created vide revenue Department notification no. 2017-VIF-306/49R dated the 11th may 1949 which embraced chouparan P,S. Simaria P.S., Chatra P.S, Gidhour P.S., This Forests Division called the Chatra Forest Division from 1-6-1952 vide Revenue Department notification. no. C/PF-7011/52-2223-CR dated 29-05-1952. The chouparan Range of the Chatra Division was transferred to the newly created Koderma Division from march 1957 vide created Koderma Division from march 1957 vide notification cation no. C/F-7014/56-2348R dated the 6th October 1956. The Chatra Division was further split into two division namely Chatra south and Chatra North Forest Division from 1.04.1962 vide Government notification no. C/F-1(A) 044/62-502R dated the 29th March 1962. The Chatra North Division constituted of forests of Hunterganj P.S., and Pratappur P.S. This Forest Subdivision was converted into a full fledged Forest Division called the Chatra Forest Division from 1.06.1952 vide Revenue Department notification C/PF- 7011/52-2223-CR dated 29.05.1952. Vide Revenue Department notification no. C/F-7014/56-2348R date the 6th October 1956. The Chatra Division was further split into two divisions namely Chatra South and Chatra North Forests Division from 1.04.1962 vide Government notification no C/F-1(A) 044/ 62-502R dated the 29th March 1962. The Chatra North Division constituted of forests of Chatra P.S. and the Chatra South Division constituted of the forests of Simaria P.S., Gidhour P.S. and ( Itkhori Part-II) and Chatra P.S.

The P.Fs. and the Ex-R.Fs ( presently P.F.) have different history of management.

**The Ex-R.F. :-** The first working scheme for Ex-R.Fs. of Ramgarh Estate of the present Piri Range was prepared by Mr. W.G.C. Breasky. The Scheme was in operation from 1928-29 to 1934-35 This prescribed coppice system with a rotation of 40 years. Some improvement fellings were also prescribed to free sal from other miscellaneous species.

**Mr. Breasky's scheme was revised by Mr. Gibson. His plan prescribed the following working circle :-**

1. Coppice working Circle
2. Selection Working Circle
3. Bamboo Working Circle
4. Khair Working Circle

The accessible forest blocks were managed under coppice working circle with rotations of 40 and 20 years. In accessible blocks were managed under selection working circle. The, Exploitable dia for Sal, Asan, Salai, was 4ft. for paisar 3/2' for semal 6 feet and for others 3 feet.

In khair Working Circle the exploitable dia ws 18" and the felling cycle was 5, years. In bamboo Working Circle the felling cycle was 3, years,

Mr. Gibson,s Plan was revised by Shri B.N. Prasad, I.F.S., retired chief conservator of Forests. His plan came into operation in 1952-54. He prescribed only three Working Circle:-

1. Coppice Working Circle
2. Bamboo Working Circle ( Over lapping )
3. Khair Working Circle ( Over Lapping)

**Ice Working Circle:-** The Selection Working Circle was discarded and the forests under this working circle during Mr. Gibson's plan were brought under coppice working circle . It is not definitely known if the forests of the Selection Working Circle were constituted into new felling Series under Coppice Working Circle or were merged with adjacent felling Series. The same sequence of felling as in, Mr. Gibson's Plan was followed and the coupes after serial no. 14 were felled in Mr. Prasad's plan. The same rotation of 40 years as in Gibson's plan was adopted. During Mr. Prasad's plan coupe no. 15 to 28 wee felled. Cleaning and thinning were prescribed but it is not known whether these operations were ever carried out any where.

**Bamboo Working Circle:-** In the Bamboo Working Circle the bamboo forests were worked on a 4 years cutting cycle. A set of bamboo cutting rules were prescribed.

**Khair Working Circle:-** No felling under this Working Circle was prescribed as the khair forests were over exploite during Mr. Gibson's plan due to the faulty prescription. The khair forests were given total rest.

**The Ex-P.P. Fs.:-** The forests other than Ex.R.F. belonged to different Zamindar. these were taken over for management by the Bihar Forest Department in 1948 under the Bihar private Forest Act. Before that the owners and the right- holders treated these forests as they liked. After the management was taken over by the Bihar Forests Department a skeleton Working Scheme was introduced. The bamboo forests were working on 3-4 year cutting cycles depending upon the condition of the clumps. Some khair marking was also done. The coppice forests were working on 10-40 years rotation. The forest were divided into two classes-surplus and deficit. The surplus portion of the annual coupes of the surplus forests were sold in the subsequent year while in the deficit forests the entire annual coupe used to be handed over to the right holders . The difficult forests were constituted into separate felling series for each village.

**Shri Prasad's Plan (1957-58) to 1966-67):-** The first comprehensive plan for both Ex.R.F. and P.F was written by Shri B.N. Prasad retired Deputy chief Conservator of Forests he prescribed the following Working Circle:-

1. **Coppice Working Circle**
  - i) With rotation of 20 years.
  - ii) With rotation of 40 years.
2. Protection Working Circle.
3. Afforestation Working Circle.
4. Bamboo ( Overlapping) Working Circle .
5. Khair ( Overlapping) Working Circle.

**Coppice Working Circle:-** The felling Series were constituted by grouping forests of a number of villages for both surplus and deficit forests. In a number of cases forests of one village were allotted to more than one felling series. This created confusion in exercise of rights.

The plan could not be brought into proper operation due to Government order for laying out right holder's coupe separately for each village. An attempt was, however, made to enforce the plan in selected area of this Division.

Another serious error was committed due to inclusion of scrub forests and blanks in Coppice felling series. Annual coups were laid out after deleting the scrub forests and blanks. This resulted in over felling so far area was concerned. In many felling series no standards were retained while in others the number of standard was inadequate.

The coppicing in coupes worked by contractor has generally been satisfactory but in the right holder's coupe the coppicing has been generally very unsatisfactory. Cultural operations. Climber cutting, cleaning and thinning have generally been neglected.

**Mr. R. Prasad's Plan ( 1965-66 to 1974-75) :-** Mr. Prasad's Plan was revised by Mr. R. Prasad, who retired on 31.12.1986 as Chief Conservator of Forests, Social Forestry, Bihar. This plan covered both the Ex. R.F.S and P.F.S. He prescribed the following working circles:-

1. Protection Working Circle.
2. Coppice Working Circle.
3. Bamboo (Overlapping) Working Circle.
4. Rehabilitation Working Circle.
5. Plantation Working Circle.

The Scheme for working the khair trees prepared by Shri P. Mishra was adopted without any modification.

Total area allotted to the above working circle is given below:-

Protection Working Circle, 3,136.00 acres  
Coppice Working Circle. 27.606.74  
Plantation Working Circle... 35, 345.60

**Protection Working Circle:-** This Working Circle comprised of frostprone, badly ravined and eroded areas of Lawalong Range and steep slopes where coppice felling was not advisable. An Improvement felling in shape of removal of dead, dying and diseased trees on 20 years cycle was prescribed. The Banwasr. P.F. constituted the major portion of the Working Circle. No. improvement felling seems to have carried out in this felling series.

**Coppice Working Circle:-** All forests area were allotted to this working circle

1. Forest-Promote, badly ravined area on steep slopes.
2. Extensive blanks, Scrub and open miscellaneous forest.
3. Sal rooted wastes.

**Silvicultural System of Management:-** Coppice with standard both for surplus and deficit forests was prescribed.

**Rotation:-** A rotation of 40 years for better forests and 30 years for comparatively inferior forests was prescribed.

**Standards:-** 15 trees of 4" to 8" dia of valuable timber species plus fruit bearing trees upto 20 per acre were to be retained as standards.

**Yield:-** Yield was regulated by area.

**Construction of Felling Series.** Felling Series were divided into commercial and community felling series. Felling series were constituted by grouping forests of more than one village so as to make the coupe area between 30-36 acres. The blank and scrub-forests were excluded from the gross area of the F.S.

**Sequence of Felling & Serial Number of Coupes :-** In east-while P.P.F.S. the coupe nos, between 6 to 12 were being worked in 1964. In Ex. R.F.S. the serial number of coupe worked in 1964 was C.C. no. 20. The Felling Series were divided after in coupes

both in ears while P.P.F.S. & x Ex. R.F. The first coupe to be worked in the revised plan was C.C. No. 1.

**Subsidiary Silvicultural Operation:-** Climber cutting:- At the time laying out of coupes and marking of standards and at the time of cleaning and later with thinning was prescribed.

**Cleaning:-** i) In the year after main felling cleaning consisting of felling of unfelled trees, and pollarded stumps and damaged trees was to be done.

ii) In the 5th year, cleaning cum-thinning consisting of climber cutting down of coppice shoots of inferior species competing with these of major species and reduction of number of main species was to be done.

**Results:-** Coupe nos. 1 to 16 have been felled under this plan till the end of forests year 1981-82. Quite a good number of coupes of certain commercial felling series have not been coppiced as they could not attract purchasers perhaps due to non-availability of utilizable produce in the coupe. Copping of coupes of quite a good number of community felling series has not been possible due to non-availability of utilizable produce in the coupe. The extent of deviation which has occurred in this regard is not possible to assess due to non-submission of control forms. Some other deviations have been either planted or rehabilitated.

**Regeneration :-** Stock taking of regeneration in excluding establishment of regeneration in worked over areas has both been done in the past. The fact is that quite an appreciable extent of worked over areas have failed to establish. The coppice coupes which contained mainly miscellaneous mature trees ( above 20 cm. dia) only and no young poles of seedlings of main species have completely failed to regenerate such areas have turned into blanks or semi-blanks full of lantana, karanda, zizyphus and other climbers like bridal creeper, combretum decandrum, etc. with mallotus and khair trees dotted about. Such areas are found in Lawalong and Chatra Ranges. The areas which are vulnerable to adverse biotic factors like grazing, fire & irregular fellings regenerate quite well but fail to establish. Such areas have either turned into rooted wastes or are in perpetual sapling stage. Such areas are found in sal forests of Piri & Simaria Range situated close to habitations.

Forests of many of the community felling series have degraded due to irregular fellings by villages for ghoran, fuel wood and poles for domestic purposes.

**Rehabilitation Working Circle & Plantation Working Circle:-** The area allotted to these two working circles was:-

- i) The area allotted to these two working circle was:-
- ii) Rehabilitation Working Circle 27,606.74 Acres.
- iii) Plantation Working Circle 35,345.60 acres.

The overall success of plantation or Rehabilitation work is variable the area respond very well to the treatments but subsequently they again revert back to original degraded state due to extremely adverse biotic factors. The Plantation have also suffered due to this region.

**Bamboo ( Overlapping ) Working Circle:-** There are in all 16 Bamboo felling services in the Division. All the felling series were under long term leases to paper Mill. The Divisional Forests Officer, Chatra South Division has pointed out that the coupes of a few of the felling series are not equiproductive. He has quoted the Banwar Bamboo Felling Series in which 75% of the total yield of bamboo from the felling series come from only one coupe i.e. coupe 'D' .

the occurrence of bamboo in Chatra South Division is patchy and not extensive though a few bamboo clumps are found in many areas. The extreme variation in yield of bamboo from different coupes of the same Felling series is due to inclusion of area having very sparse density of bamboo clumps.

**Mr. Mishra's Scheme:-** The first scheme for exploitation of khair trees was prepared by Shri P. Mishra, I.F.S. This scheme is incorporated in the current plan as Appendix-IV. The scheme was in operation till 1967-68. It constituted only two felling Series namely, Chatra and Simaria. The felling cycle was of 20 years and the exploitable dia was "6" d.b.h. All trees of "6" and up in dia. And also the pollarded and dead stems of smaller sized were marked for felling. The yield was regulated by area.

**Khair Scheme:- Mr. Haidery's Scheme:-** The khair trees of Chatra South Division are, at present, being worked under the scheme for exploitation of khair trees prepared by Shri. A. Haidery, IFS. This scheme is in operation since the year 1968-69.

The felling cycle is of 20 years. The exploitable dia. as per scheme is 15 cm. (6) but recently since coupe no. 11 it has been increased to 20 cm. (8") by the order of the Chief Conservator of Forests, Bihar in his letter no. 6717 dated 08-12-1977 and the yield is regulated by area and for this the entire khair bearing area and for this the entire khair bearing area of the Division has been divided into 20 coupes. There are four felling series in place of two I.F.S. of Mr. Mishra's Scheme one each for Law along and Simaria Range, one for part of chatra Range and another for Piri and balance of Chatra Range. The coupes are sub-divided into several lots depending upon the number of khair trees available in the coupe varies widely from year to year. The price fetched for each coupe varies still more widely due to variation in the number of trees marked and also due to variation in the quality of khair trees.

**Special Works of Improvement:** - The works of the improvement taken up in the area since 1947. Constitute a major achievement. Many inaccessible to tap locked up resources. Quarters have been constructed for the majority of the subordinate staff of the division.

Roads :- As per intimation of the Divisional Forests Officer, Chatra South division, the list of Roads is as follows :-

	Range	Chatra	Remarks
	Name of Roads		Length in Km.
1.	Gangpur Pathalgadda	11	Class- I Roads
2.	Sanghari Jaled	8	
3.	Pitiz Gangpur	11	
4.	Sanghari Lilajan	11	
5.	Chatra Bachrag	6	Class- II Roads
6.	Baghar Lilagan	11	
	Range	Simaria	
1.	Lepo Pathalgadda	13	Class-II Roads
2.	Simaria Simaria FR-H	15	
3.	Lepo Urub	8	
4.	Kasan Nawada	10	Class-II Roads
5.	Kendu Sarma	10	
6.	Urub Hurmur	5	
7.	Barwadih Kasan	6	
8.	Kasari Rampur	5	
	Range	Piri	
1.	Toral Meral	13	Class-I Roads
2.	Jori Khaira	10	
3.	Meral Urub	10	
4.	Piri Bakchoma	8	Class-II Roads
	Range		
	Lawalong		
1.	Lawalong Tigda	16	Class-I Roads
2.	Lawalong Lutidih	15	
3.	Lawalong Kunda	18	
4.	Tukulia Tigda	7	
5.	Tigda Loharsi	6	
6.	Bendwa Angara	12	Class-II Roads
7.	Romi Tigda	6	
8.	Mandhania Hahe	6.5	
9.	Sael Sil dag	6.5	
10.	Hahe Hhusar	6.5	
11.	Lawalong Sirka	10	
12.	Lare Jora simar	6.5	
13.	Arahe Atampur	10	
14.	Hosir Hardepur	6.5	
15.	Serka Mungadih	3	
16.	Serka Karmahi	4	
17.	Nawadih Banwar	5	

**Building:** - Good progress has been made in the construction of buildings also. A list of buildings construction so far is given below:-

**Chatra Ranga**

Sl.No.	Name of Building	Location
1.	Forest Guard's Quarters	Pitiz
2.	Rest shed	Sel
3.	rest shed	Gangpur
4.	Forest Guard's Quarters	Sel
5.	Forest Guard's Quarters	Gangpur
6.	Forest Guard's Quarters	Gangpur
7.	Clerks quarters (double type)	Chatra
8.	Clerks Quarters	Chatra
9.	Range Officers Residence	Chatra
10.	Beat Officers quarters	Chatra
11.	Forest Guard's quarters (double type)	Chatra
12.	Forest Guard's Quaters	Chatra
13.	Range Pffoce	Chatra
14.	D.F.O's Residence	Chatra
15.	D.F.O's Office	Chatra
16.	Rangers Barrack	Chatra
17.	Beat Officer's quarters	Pitiz
18.	Forest Guard's Quarters	Gidhour
19.	Forests Guard Quarters	Maktama
20.	Clerk's Quarters	Chatra
21.	Clerks Quarters	Chatra
22.	Clerks Quarters	Chatra
23.	Forest Guards Quarters	Bhuiandih
24.	K.L. Godown	Chatra
25.	K.L. Godown	Pitiz
26.	K.L. Godown	Pitiz
27.	K.L. Godown	Ghurnadih
28.	C.F.'s Camp Office	Chatra
<b>Lawalong Range</b>		
1.	Rest shed	Lawalong
2.	Beat Officer's quarters	Lawalong
3.	F.Guard's Quarters	Lawalong
4.	F.Guard's Quarters	Shahdda
5.	F.Guard's Quarters	Tigda
6.	Rest shed	Tigda
7.	Out House	Lawalong
8.	Forest Rest House	Lawalong
9.	Range Officers Residence	Lawalong
10.	F.Guard's Quarters	Tigda
11.	F.Guard's Quarters	`Nawadih
12.	Fencing F.R.H.	Lawalong
13.	F.Guard's Quarters	Rimi
14.	R,I, Hut	Rimi
15.	F.Guard's Quarters	Sahada
16.	-do-	Mandhania



17	-do-	Kolkala
18.	-do-	Ratnag
19	Naka shed	Lutidih
20.	-do-	Atampur
21.	K.L. Godown	Lawalong
<b>Simaria Range</b>		
1.	Range Officers Quarters (with residence)	Simaria
2.	H.O's Quarters	Simaria
3.	Forest Guards Quarters	Simaria
4.	Rest shed	Jabra
5.	F. Guards Quarters	Lamta
6.	F. Guards Quarters	Bagra
7.	Forest Rest House	Simaria
8.	Out House	Simaria
9.	Forest Rest House	Urub
10.	Out House	Urub
11.	F. Guards Quarters	Urub
12.	Rest shed	Urub
13.	F. Guards Quarters	Lepo
14.	K.L. Godown	Bagra
15.	K.L. Godown	
16.	K.L. Godown	Simaria
<b>Piri Range</b>		
1.	Rest shed	Piri
2.	F. Guards Quarters	Piri
3.	B. Officer Quarters	Piri
4.	F. Guards Quarters	Birhu
5.	F. Guards Quarters	Meral
6.	F. Guards Quarters	Meramgara
7.	F. Guards Quarters	Amgara
8.	Range Officer Quarters	Birhu
9.	R.I. Hut	Meral
10.	-do-	Birhu
11.	Out House	Urub
12.	Marking shed	Birhu
13.	Naka shed	Birhu
14.	K.L. Godown	Birhu
15.	Forest Guards Quarters	Urub
16.	Forest Rest House	Urub
17.	Range Office	Birhu

WELLS: - A list of wells dug so far is given below:-

TABLE

<b>Chatra Range</b>	
1.	Chatra (Forest Colony)
2.	Pitiz - ( Beat Officer quarters)
<b>Simaria Range</b>	
1.	Simaria ( R.O.Qr.)
2.	Simaria ( F.R.H.)

3.	Urub ( B. Officer Qr.)
<b>Lawalong Range</b>	
1.	Lawlong ( R. O. Qr.)
2.	Tigda ( Beat Officer Qr.)
3.	Lawalong ( F.R.H.)
<b>Piri Range</b>	
1.	Piri ( Beat Officer Qr.) Further deeping.
2.	Birhu ( Range Officer Qr. Part Construction.