

2023

APPENDICES FOR THE DRAFT WORKING PLAN OF PAONTA SAHIB FOREST DIVISION

FOR THE PERIOD 2023-24 TO 2032-33

NAHAN FOREST CIRCLE, HIMACHAL PRADESH FOREST DEPARTMENT



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Appendix –I: Divisional Area Statement

Sr. No	Name of Range	Name of Block	Name of Beat	Name of RF	Compt. No	Area in ha. As per CH file
1.	Paonta Sahib	Khara	Jhara	RF Jhara	1	38.720
2.	Paonta Sahib	Khara	Jhara	RF Jhara	2	33.440
3.	Paonta Sahib	Khara	Jhara	RF Jhara	3	27.520
4.	Paonta Sahib	Khara	Jhara	RF Jhara	4	30.080
5.	Paonta Sahib	Khara	Jhara	RF Jhara	5	25.120
6.	Paonta Sahib	Khara	Jhara	RF Jhara	6	22.880
7.	Paonta Sahib	Khara	Jhara	RF Jhara	7	30.080
8.	Paonta Sahib	Khara	Jhara	RF Jhara	8	27.520
9.	Paonta Sahib	Khara	Jhara	RF Jhara	9	23.040
10.	Paonta Sahib	Khara	Jhara	RF Jhara	10	30.560
11.	Paonta Sahib	Khara	Jhara	RF Jhara	11	32.640
12.	Paonta Sahib	Khara	Jhara	RF Jhara	12	25.280
13.	Paonta Sahib	Khara	Jhara	RF Jhara	13	21.600
14.	Paonta Sahib	Khara	Jhara	RF Jhara	14	35.200
15.	Paonta Sahib	Khara	Jhara	RF Jhara	15	33.440
16.	Paonta Sahib	Khara	Jhara	RF Jhara	16	29.920
17.	Paonta Sahib	Khara	Jhara	RF Jhara	17	37.600
18.	Paonta Sahib	Khara	Jhara	RF Jhara	18	30.080
19.	Paonta Sahib	Khara	Jhara	RF Jhara	19	28.800
20.	Paonta Sahib	Khara	Jhara	RF Jhara	20	40.000
					Beat Total	603.520
21.	Paonta Sahib	Khara	Lai	RF Lai	2	29.920
22.	Paonta Sahib	Khara	Lai	RF Lai	3	22.240
23.	Paonta Sahib	Khara	Lai	RF Lai	4	32.800

24.	Paonta Sahib	Khara	Lai	RF Lai	5	35.360
25.	Paonta Sahib	Khara	Lai	RF Lai	7	30.080
26.	Paonta Sahib	Khara	Lai	RF Lai	10	22.880
27.	Paonta Sahib	Khara	Lai	RF Lai	11	27.360
28.	Paonta Sahib	Khara	Lai	RF Lai	13	21.600
29.	Paonta Sahib	Khara	Lai	RF Lai	17	21.760
30.	Paonta Sahib	Khara	Lai	RF Lai	26	30.080
31.	Paonta Sahib	Khara	Lai	RF Lai	29	28.320
32.	Paonta Sahib	Khara	Lai	RF Lai	30	29.280
33.	Paonta Sahib	Khara	Lai	RF Lai	31	18.240
34.	Paonta Sahib	Khara	Lai	RF Lai	32	12.480
					Beat Total	362.400
35.	Paonta Sahib	Khara	Toka	RF Lai	1	25.120
36.	Paonta Sahib	Khara	Toka	RF Lai	6	37.440
37.	Paonta Sahib	Khara	Toka	RF Lai	8	30.560
38.	Paonta Sahib	Khara	Toka	RF Lai	9	27.520
39.	Paonta Sahib	Khara	Toka	RF Lai	12	42.400
40.	Paonta Sahib	Khara	Toka	RF Lai	14	37.600
41.	Paonta Sahib	Khara	Toka	RF Lai	15	38.880
42.	Paonta Sahib	Khara	Toka	RF Lai	16	17.600
43.	Paonta Sahib	Khara	Toka	RF Lai	18	24.800
44.	Paonta Sahib	Khara	Toka	RF Lai	19	24.800
45.	Paonta Sahib	Khara	Toka	RF Lai	20	21.600
46.	Paonta Sahib	Khara	Toka	RF Lai	21	25.120
47.	Paonta Sahib	Khara	Toka	RF Lai	22	15.040
48.	Paonta Sahib	Khara	Toka	RF Lai	23	39.360
49.	Paonta Sahib	Khara	Toka	RF Lai	24	37.000
50.	Paonta Sahib	Khara	Toka	RF Lai	25	20.000
51.	Paonta Sahib	Khara	Toka	RF Lai	27	37.600
52.	Paonta Sahib	Khara	Toka	RF Lai	28	22.560

53.	Paonta Sahib	Khara	Toka	RF Lai	33	19.840
					Total	544.840
54.	Paonta Sahib	Khara	Toka	RF Mankundion	1	13.600
55.	Paonta Sahib	Khara	Toka	RF Mankundion	2	25.760
56.	Paonta Sahib	Khara	Toka	RF Mankundion	3	31.840
57.	Paonta Sahib	Khara	Toka	RF Mankundion	4	14.560
					Total	85.760
					Beat Total	630.600
58.	Paonta Sahib	Khara	Khara	RF Khara	C-1	24.800
59.	Paonta Sahib	Khara	Khara	RF Khara	C-2	40.480
60.	Paonta Sahib	Khara	Khara	RF Khara	C-3	29.920
61.	Paonta Sahib	Khara	Khara	RF Khara	C-4	29.920
62.	Paonta Sahib	Khara	Khara	RF Khara	C-5	30.400
63.	Paonta Sahib	Khara	Khara	RF Khara	C-6	25.280
64.	Paonta Sahib	Khara	Khara	RF Khara	C-7	25.120
65.	Paonta Sahib	Khara	Khara	RF Khara	C-8	31.840
66.	Paonta Sahib	Khara	Khara	RF Khara	C-9	30.080
67.	Paonta Sahib	Khara	Khara	RF Khara	C-10	15.520
68.	Paonta Sahib	Khara	Khara	RF Khara	C-11	18.080
69.	Paonta Sahib	Khara	Khara	RF Khara	C-12	30.880
70.	Paonta Sahib	Khara	Khara	RF Khara	C-13	37.920
71.	Paonta Sahib	Khara	Khara	RF Khara	C-14	22.240
72.	Paonta Sahib	Khara	Khara	RF Khara	C-15	35.200
73.	Paonta Sahib	Khara	Khara	RF Khara	C-16	27.520
74.	Paonta Sahib	Khara	Khara	RF Khara	C-17	12.480
75.	Paonta Sahib	Khara	Khara	RF Khara	C-18	17.600
76.	Paonta Sahib	Khara	Khara	RF Khara	C-19	19.840
77.	Paonta Sahib	Khara	Khara	RF Khara	C-20	29.600
					Beat Total	534.720
78.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	1	38.260

79.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	2	50.860
80.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	3	58.410
81.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	4	96.840
82.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	5	64.780
83.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	6(a)	36.400
84.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	6(b)	23.580
85.	Paonta Sahib	Chachheti	Gatu	RF Chachheti	7	79.600
					Beat Total	448.730
86.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	8	99.880
87.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	9	35.360
88.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	10	98.770
89.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	11	81.170
90.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	12	61.670
91.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	13	55.890
92.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	14	65.400
93.	Paonta Sahib	Chachheti	Chachheti	RF Chachheti	15	75.460
					Beat Total	573.600
94.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-1	70.770
95.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-2	50.420
96.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-3	118.320
97.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-4	62.600
98.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-5	72.940
99.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-6	48.060
100.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-7	79.350
101.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-8	93.200
102.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-9	40.060
103.	Paonta Sahib	Chachheti	Sarah	RF Sarah	C-10	64.250
					Beat Total	699.970
104.	Paonta Sahib	Paonta Sahib	Rampur beli	RF Rampur beli	1	117.650

					Beat Total	117.650
105.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	1	32.640
106.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	2	31.200
107.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	3	56.480
108.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	4	62.880
109.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	5	47.680
110.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	6	62.880
111.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	7	27.520
112.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	8	55.200
113.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	9	55.200
114.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	10	50.240
115.	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	11	32.640
					Beat Total	514.560
116.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	1	25.120
117.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	2	35.200
118.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	3	22.080
119.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	4	25.120
120.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	5	37.440
121.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	6	30.400
122.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	7	36.580
123.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	8	20.000
124.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	9	66.420
125.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	10	36.960
126.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	11	40.320
127.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	12	67.840
128.	Paonta Sahib	Paonta Sahib	Jamotawa	Jamotwa	13	40.160
					Beat Total	483.640
129.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamotwa	14	55.200
130.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamotwa	15	44.960
131.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamotwa	16	44.960

132.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamotwa	17	29.920
133.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamotwa	18	47.520
134.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamotwa	19	26.880
					Total	249.440
135.	Paonta Sahib	Paonta Sahib	Gondpur	RF Mantaruwala	1	12.640
136.	Paonta Sahib	Paonta Sahib	Gondpur	RF Mantaruwala	2	17.600
137.	Paonta Sahib	Paonta Sahib	Gondpur	RF Mantaruwala	3	8.800
138.	Paonta Sahib	Paonta Sahib	Gondpur	RF Mantaruwala	4	15.360
139.	Paonta Sahib	Paonta Sahib	Gondpur	RF Mantaruwala	5	38.080
					Total	92.480
140.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamukhala	1	18.560
141.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamukhala	2	37.760
142.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamukhala	3	10.560
143.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamukhala	4	17.280
144.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamukhala	5	28.640
145.	Paonta Sahib	Paonta Sahib	Gondpur	RF Jamukhala	6	7.520
					Total	120.320
					Beat Total	462.240
146.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	1	12.480
147.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	2	25.120
148.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	3	9.920
149.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	4	27.520
150.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	5	28.800
151.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	15	17.600
152.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	16	22.560
153.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	17	30.080
154.	Paonta Sahib	Paonta Sahib	Garibnath(S)	RF Garibnath	18	27.520
					Beat Total	201.600
155.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	6	66.560
156.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	7	27.520

157.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	8	17.600
158.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	9	17.600
159.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	10	4.960
160.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	11	15.040
161.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	12	9.920
162.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	13	15.040
163.	Paonta Sahib	Paonta Sahib	Garibnath (N)	RF Garibnath	14	17.600
					Beat Total	191.840
164.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	1	37.220
165.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	2	60.110
166.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	3	42.000
167.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	4	60.870
168.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	5	35.210
169.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	6	22.390
170.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	7	15.850
171.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	8	34.920
172.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	9	43.720
173.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	10	58.540
174.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	11	21.140
175.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	12	45.120
176.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	13	38.880
177.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	14	45.000
178.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	15	70.120
179.	Paonta Sahib	Gorakhpur	Kukron	RF Kukron	16	21.750
					Beat Total	652.840
180.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	1	28.800
181.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	2	19.560
182.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	3	17.600
183.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	4	27.840
184.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	5	17.280

185.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	6	6.240
186.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	7	30.080
187.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	8	18.080
188.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	9	35.520
189.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	10	18.520
190.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	11	19.800
191.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	12	25.080
192.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	13	25.600
193.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	14	15.000
194.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	15	26.080
195.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	16	23.520
196.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	17	17.760
197.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	18	15.040
198.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	19	13.920
199.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	20	22.880
200.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	21	28.210
201.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	22	20.320
202.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	23	15.040
203.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	24	28.320
204.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	25	17.760
205.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	26	13.760
206.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	27	18.880
207.	Paonta Sahib	Gorakhpur	Malgi	RF Malgi	28	15.040
					Beat Total	581.530
208.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	1	2.520
209.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	2	5.040
210.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	3	59.110
211.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	4	10.060
212.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	5	13.080
213.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	6	34.960

214.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	7	19.870
215.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	8	31.190
216.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	9	11.320
217.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	10	30.180
218.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	11	27.420
219.	Paonta Sahib	Gorakhpur	Rajban	RF Rajban	12	30.180
					Total	274.930
220.	Paonta Sahib	Gorakhpur	Rajban	RF Gorakhpur	1	37.230
221.	Paonta Sahib	Gorakhpur	Rajban	RF Gorakhpur	2	27.670
222.	Paonta Sahib	Gorakhpur	Rajban	RF Gorakhpur	3	42.760
223.	Paonta Sahib	Gorakhpur	Rajban	RF Gorakhpur	4	17.610
224.	Paonta Sahib	Gorakhpur	Rajban	RF Gorakhpur	5	34.710
225.	Paonta Sahib	Gorakhpur	Rajban	RF Gorakhpur	6	79.230
					Total	239.210
					Total Beat	514.140
226.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	7	196.190
227.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	8	83.500
228.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	9	68.410
229.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	10	27.670
230.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	11	35.210
231.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	12	23.140
232.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	13	25.150
233.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	14	40.240
234.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	15	55.330
235.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	16	30.690
236.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	17	22.640
237.	Paonta Sahib	Gorakhpur	Gorakhpur	RF Gorakhpur	18	27.160
					Beat Total	635.330
Total of Paonta Range					8208.910	
238.	Majra	Majra	Dhoulakuan	Garhi	C-1	30.690

239.	Majra	Majra	Dhoulakuan	Garhi	C-2	65.400
240.	Majra	Majra	Dhoulakuan	Garhi	C-3	29.930
241.	Majra	Majra	Dhoulakuan	Garhi	C-4	48.540
					Total	174.560
242.	Majra	Majra	Dhoulakuan	Garhi Banswali	C-1	19.030
243.	Majra	Majra	Dhoulakuan	Garhi Banswali	C-2	14.840
244.	Majra	Majra	Dhoulakuan	Garhi Banswali	C-3	49.050
245.	Majra	Majra	Dhoulakuan	Garhi Banswali	C-4	13.080
246.	Majra	Majra	Dhoulakuan	Garhi Banswali	C-5	22.130
247.	Majra	Majra	Dhoulakuan	Garhi Banswali	C-6	25.150
					Total	143.280
248.	Majra	Majra	Dhoulakuan	Sudawala	C-1	16.320
249.	Majra	Majra	Dhoulakuan	Sudawala	C-2	19.680
250.	Majra	Majra	Dhoulakuan	Sudawala	C-3	45.240
251.	Majra	Majra	Dhoulakuan	Sudawala	C-4	38.720
252.	Majra	Majra	Dhoulakuan	Sudawala	C-5	22.400
253.	Majra	Majra	Dhoulakuan	Sudawala	C-6	36.440
254.	Majra	Majra	Dhoulakuan	Sudawala	C-7	30.400
255.	Majra	Majra	Dhoulakuan	Sudawala	C-8	42.840
256.	Majra	Majra	Dhoulakuan	Sudawala	C-9	28.960
257.	Majra	Majra	Dhoulakuan	Sudawala	C-10	36.480
					Total	317.480
					Beat Total	635.320
258.	Majra	Majra	Behrewala	Naurangabad	C-1	63.130
259.	Majra	Majra	Behrewala	Naurangabad	C-2	21.930
260.	Majra	Majra	Behrewala	Naurangabad	C-3	23.640
261.	Majra	Majra	Behrewala	Naurangabad	C-4	28.670
262.	Majra	Majra	Behrewala	Naurangabad	C-5	14.840
263.	Majra	Majra	Behrewala	Naurangabad	C-6	20.620
264.	Majra	Majra	Behrewala	Naurangabad	C-7	20.120

					Total	192.950
265.	Majra	Majra	Behrewala	Pipalwali	C-1	20.120
266.	Majra	Majra	Behrewala	Pipalwali	C-2	50.300
267.	Majra	Majra	Behrewala	Pipalwali	C-3	47.000
268.	Majra	Majra	Behrewala	Pipalwali	C-4	27.670
					Total	145.090
269.	Majra	Majra	Behrewala	Behrewala	C-1	30.690
270.	Majra	Majra	Behrewala	Behrewala	C-2	27.420
271.	Majra	Majra	Behrewala	Behrewala	C-3	46.780
272.	Majra	Majra	Behrewala	Behrewala	C-4	28.420
273.	Majra	Majra	Behrewala	Behrewala	C-5	25.650
					Total	158.960
					Beat Total	497.000
274.	Majra	Majra	Sainwala	Jamanwali	C-1	30.440
275.	Majra	Majra	Sainwala	Jamanwali	C-2	44.280
276.	Majra	Majra	Sainwala	Jamanwali	C-3	18.100
277.	Majra	Majra	Sainwala	Jamanwali	C-4	40.240
278.	Majra	Majra	Sainwala	Jamanwali	C-5	12.070
279.	Majra	Majra	Sainwala	Jamanwali	C-6	27.670
280.	Majra	Majra	Sainwala	Jamanwali	C-7	28.670
					Total	201.470
281.	Majra	Majra	Sainwala	Tokiyon	C-1	27.680
282.	Majra	Majra	Sainwala	Tokiyon	C-2	18.080
283.	Majra	Majra	Sainwala	Tokiyon	C-3	17.120
284.	Majra	Majra	Sainwala	Tokiyon	C-4	44.000
285.	Majra	Majra	Sainwala	Tokiyon	C-5	13.120
286.	Majra	Majra	Sainwala	Tokiyon	C-6	17.120
287.	Majra	Majra	Sainwala	Tokiyon	C-7	27.840
					Total	164.960
288.	Majra	Majra	Sainwala	Sainwala	C-1	23.900

289.	Majra	Majra	Sainwala	Sainwala	C-2	14.840
290.	Majra	Majra	Sainwala	Sainwala	C-3	22.640
291.	Majra	Majra	Sainwala	Sainwala	C-4	22.640
292.	Majra	Majra	Sainwala	Sainwala	C-5	25.150
293.	Majra	Majra	Sainwala	Sainwala	C-6	27.670
294.	Majra	Majra	Sainwala	Sainwala	C-7	5.030
					Total	141.870
295.	Majra	Majra	Sainwala	Paniwali	C-1	32.280
296.	Majra	Majra	Sainwala	Paniwali	C-2	42.720
297.	Majra	Majra	Sainwala	Paniwali	C-3	28.480
298.	Majra	Majra	Sainwala	Paniwali	C-4	42.720
299.	Majra	Majra	Sainwala	Paniwali	C-5	44.000
					Total	190.200
					Beat Total	698.500
300.	Majra	Majra	Majra	Sukhimelion	C-1	32.000
301.	Majra	Majra	Majra	Sukhimelion	C-2	37.980
302.	Majra	Majra	Majra	Sukhimelion	C-3	28.920
303.	Majra	Majra	Majra	Sukhimelion	C-4	36.970
304.	Majra	Majra	Majra	Sukhimelion	C-5	30.430
305.	Majra	Majra	Majra	Sukhimelion	C-6	13.830
306.	Majra	Majra	Majra	Sukhimelion	C-7	10.000
307.	Majra	Majra	Majra	Sukhimelion	C-8	22.380
308.	Majra	Majra	Majra	Sukhimelion	C-9	36.470
309.	Majra	Majra	Majra	Sukhimelion	C-10	65.650
310.	Majra	Majra	Majra	Sukhimelion	C-11	26.160
311.	Majra	Majra	Majra	Sukhimelion	C-12	25.150
					Total	365.940
312.	Majra	Majra	Majra	Badighati	C-1	29.680
313.	Majra	Majra	Majra	Badighati	C-2	41.750
314.	Majra	Majra	Majra	Badighati	C-3	29.680

315.	Majra	Majra	Majra	Badighati	C-4	28.170
					Total	129.280
					Beat Total	495.220
316.	Majra	Majra	Johron	Kiyarda	C-1	28.920
317.	Majra	Majra	Johron	Kiyarda	C-2	25.150
318.	Majra	Majra	Johron	Kiyarda	C-3	32.700
319.	Majra	Majra	Johron	Kiyarda	C-4	30.180
320.	Majra	Majra	Johron	Kiyarda	C-5	36.300
321.	Majra	Majra	Johron	Kiyarda	C-6	22.130
322.	Majra	Majra	Johron	Kiyarda	C-7	18.360
323.	Majra	Majra	Johron	Kiyarda	C-8	15.090
					Total	208.830
324.	Majra	Majra	Johron	Banswali	C-1	27.930
325.	Majra	Majra	Johron	Banswali	C-2	27.160
326.	Majra	Majra	Johron	Banswali	C-3	37.220
327.	Majra	Majra	Johron	Banswali	C-4	12.360
328.	Majra	Majra	Johron	Banswali	C-5	21.880
329.	Majra	Majra	Johron	Banswali	C-6	30.680
330.	Majra	Majra	Johron	Banswali	C-7	35.210
331.	Majra	Majra	Johron	Banswali	C-8	38.140
332.	Majra	Majra	Johron	Banswali	C-9	20.370
333.	Majra	Majra	Johron	Banswali	C-10	32.700
334.	Majra	Majra	Johron	Banswali	C-11	13.830
335.	Majra	Majra	Johron	Banswali	C-12	42.250
336.	Majra	Majra	Johron	Banswali	C-13	28.920
337.	Majra	Majra	Johron	Banswali	C-14	16.350
					Total	385.000
					Beat Total	593.830
338.	Majra	Behral	Surajpur	Katapather	C-1	25.400
339.	Majra	Behral	Surajpur	Katapather	C-2	38.990

340.	Majra	Behral	Surajpur	Katapather	C-3	22.640
341.	Majra	Behral	Surajpur	Katapather	C-4	23.200
342.	Majra	Behral	Surajpur	Katapather	C-5	35.560
343.	Majra	Behral	Surajpur	Katapather	C-6	32.200
344.	Majra	Behral	Surajpur	Katapather	C-7	31.440
345.	Majra	Behral	Surajpur	Katapather	C-8	13.830
346.	Majra	Behral	Surajpur	Katapather	C-9	15.400
347.	Majra	Behral	Surajpur	Katapather	C-10	27.670
					Total	266.330
348.	Majra	Behral	Surajpur	Surajpur	C-1	17.860
349.	Majra	Behral	Surajpur	Surajpur	C-2	25.910
350.	Majra	Behral	Surajpur	Surajpur	C-3	22.640
351.	Majra	Behral	Surajpur	Surajpur	C-4	30.080
352.	Majra	Behral	Surajpur	Surajpur	C-5	35.970
353.	Majra	Behral	Surajpur	Surajpur	C-6	15.090
					Total	147.550
354.	Majra	Behral	Surajpur	Mahadev	C-1	42.260
355.	Majra	Behral	Surajpur	Mahadev	C-2	37.230
356.	Majra	Behral	Surajpur	Mahadev	C-3	40.240
357.	Majra	Behral	Surajpur	Mahadev	C-4	36.220
358.	Majra	Behral	Surajpur	Mahadev	C-5	24.150
359.	Majra	Behral	Surajpur	Mahadev	C-6	15.100
360.	Majra	Behral	Surajpur	Mahadev	C-7	12.580
361.	Majra	Behral	Surajpur	Mahadev	C-8	29.930
					Total	237.710
					Beat Total	651.590
362.	Majra	Behral	Batamandi	Ghuttanpur	C-1	54.840
363.	Majra	Behral	Batamandi	Ghuttanpur	C-2	29.930
364.	Majra	Behral	Batamandi	Ghuttanpur	C-3	40.750
365.	Majra	Behral	Batamandi	Ghuttanpur	C-4	25.150

366.	Majra	Behral	Batamandi	Ghuttanpur	C-5	40.500
367.	Majra	Behral	Batamandi	Ghuttanpur	C-6	56.100
368.	Majra	Behral	Batamandi	Ghuttanpur	C-7	24.150
369.	Majra	Behral	Batamandi	Ghuttanpur	C-8	35.210
370.	Majra	Behral	Batamandi	Ghuttanpur	C-9	20.120
371.	Majra	Behral	Batamandi	Ghuttanpur	C-10	68.430
372.	Majra	Behral	Batamandi	Ghuttanpur	C-11	24.150
373.	Majra	Behral	Batamandi	Ghuttanpur	C-12	31.440
374.	Majra	Behral	Batamandi	Ghuttanpur	C-13	44.530
375.	Majra	Behral	Batamandi	Ghuttanpur	C-14	15.400
376.	Majra	Behral	Batamandi	Ghuttanpur	C-15	32.960
377.	Majra	Behral	Batamandi	Ghuttanpur	C-16	14.840
378.	Majra	Behral	Batamandi	Ghuttanpur	C-17	16.850
379.	Majra	Behral	Batamandi	Ghuttanpur	C-18	57.860
380.	Majra	Behral	Batamandi	Ghuttanpur	C-19	35.210
381.	Majra	Behral	Batamandi	Ghuttanpur	C-20	28.930
					Total	697.350
382.	Majra	Behral	Batamandi	Kothewali	C-3	37.480
383.	Majra	Behral	Batamandi	Kothewali	C-4	37.730
384.	Majra	Behral	Batamandi	Kothewali	C-5	22.680
385.	Majra	Behral	Batamandi	Kothewali	C-6	12.320
386.	Majra	Behral	Batamandi	Kothewali	C-7	6.290
					Total	116.500
					Beat Total	813.850
387.	Majra	Behral	Satiwala	Kothewali	C-1	67.910
388.	Majra	Behral	Satiwala	Kothewali	C-2	30.180
389.	Majra	Behral	Satiwala	Kothewali	C-8	25.150
390.	Majra	Behral	Satiwala	Kothewali	C-9	20.370
391.	Majra	Behral	Satiwala	Kothewali	C-10	23.890
					Total	167.500

392.	Majra	Behral	Satiwala	Mast Ali	C-1	36.730
393.	Majra	Behral	Satiwala	Mast Ali	C-2	46.050
394.	Majra	Behral	Satiwala	Mast Ali	C-3	54.840
395.	Majra	Behral	Satiwala	Mast Ali	C-4	35.210
396.	Majra	Behral	Satiwala	Mast Ali	C-5	22.640
397.	Majra	Behral	Satiwala	Mast Ali	C-6	35.210
398.	Majra	Behral	Satiwala	Mast Ali	C-7	27.670
399.	Majra	Behral	Satiwala	Mast Ali	C-8	23.890
400.	Majra	Behral	Satiwala	Mast Ali	C-9	29.180
401.	Majra	Behral	Satiwala	Mast Ali	C-10	31.950
					Total	343.370
					Beat Total	510.870
402.	Majra	Behral	Behral	Ambwali	C-1	52.570
403.	Majra	Behral	Behral	Ambwali	C-2	31.940
404.	Majra	Behral	Behral	Ambwali	C-3	35.210
405.	Majra	Behral	Behral	Ambwali	C-4	32.260
406.	Majra	Behral	Behral	Ambwali	C-5	57.850
407.	Majra	Behral	Behral	Ambwali	C-6	98.100
					Total	307.930
408.	Majra	Behral	Behral	Kouchbeli	C-1	17.560
409.	Majra	Behral	Behral	Kouchbeli	C-2	26.660
					Total	44.220
					Beat Total	352.150
410.	Majra	Gharatwali	Gharatwali (M)	Gharatwali	C-1	50.240
411.	Majra	Gharatwali	Gharatwali (M)	Gharatwali	C-2	40.800
412.	Majra	Gharatwali	Gharatwali (M)	Gharatwali	C-3	64.960
413.	Majra	Gharatwali	Gharatwali (M)	Gharatwali	C-4	66.720
					Beat Total	222.720
414.	Majra	Gharatwali	Gharatwali (N)	Gharatwali	C-5	56.640
415.	Majra	Gharatwali	Gharatwali (N)	Gharatwali	C-6	39.040

416.	Majra	Gharatwali	Gharatwali (N)	Gharatwali	C-7	39.040
417.	Majra	Gharatwali	Gharatwali (N)	Gharatwali	C-12	67.840
					Beat Total	202.560
418.	Majra	Gharatwali	Gharatwali (S)	Gharatwali	C-8	45.600
419.	Majra	Gharatwali	Gharatwali (S)	Gharatwali	C-9	47.840
420.	Majra	Gharatwali	Gharatwali (S)	Gharatwali	C-10	41.440
421.	Majra	Gharatwali	Gharatwali (S)	Gharatwali	C-11	49.280
					Beat Total	184.160
422.	Majra	Sunkron	Sunkron(S)	Sunkron	C-1	47.200
423.	Majra	Sunkron	Sunkron(S)	Sunkron	C-2	58.520
424.	Majra	Sunkron	Sunkron(S)	Sunkron	C-3	47.680
425.	Majra	Sunkron	Sunkron(S)	Sunkron	C-4	47.680
426.	Majra	Sunkron	Sunkron(S)	Sunkron	C-5	22.560
427.	Majra	Sunkron	Sunkron(S)	Sunkron	C-6	67.520
428.	Majra	Sunkron	Sunkron(S)	Sunkron	C-7	35.360
					Beat Total	326.520
429.	Majra	Sunkron	Sunkron(M)	Sunkron	C-8	48.480
430.	Majra	Sunkron	Sunkron(M)	Sunkron	C-9	44.160
431.	Majra	Sunkron	Sunkron(M)	Sunkron	C-10	55.040
432.	Majra	Sunkron	Sunkron(M)	Sunkron	C-11	40.160
433.	Majra	Sunkron	Sunkron(M)	Sunkron	C-12	55.360
					Beat Total	243.200
434.	Majra	Sunkron	Sunkron(N)	Sunkron	C-13	57.760
435.	Majra	Sunkron	Sunkron(N)	Sunkron	C-14	67.840
436.	Majra	Sunkron	Sunkron(N)	Sunkron	C-15	60.320
437.	Majra	Sunkron	Sunkron(N)	Sunkron	C-16	40.160
438.	Majra	Sunkron	Sunkron(N)	Sunkron	C-17	60.320
					Beat Total	286.400
Total of Majra Range						6713.890 Hac.
439.	Giri Nagar	Giri Nagar	Majri	Majri	C-1	51.68

440.	Giri Nagar	Giri Nagar	Majri	Majri	C-2	32.7
441.	Giri Nagar	Giri Nagar	Majri	Majri	C-3	55.84
442.	Giri Nagar	Giri Nagar	Majri	Majri	C-4	57.35
443.	Giri Nagar	Giri Nagar	Majri	Majri	C-5	22.39
444.	Giri Nagar	Giri Nagar	Majri	Majri	C-6	67.67
445.	Giri Nagar	Giri Nagar	Majri	Majri	C-7	50
446.	Giri Nagar	Giri Nagar	Majri	Majri	C-8	30.18
447.	Giri Nagar	Giri Nagar	Majri	Majri	C-9	37.98
448.	Giri Nagar	Giri Nagar	Majri	Majri	C-10	33.45
449.	Giri Nagar	Giri Nagar	Majri	Majri	C-11	40.5
450.	Giri Nagar	Giri Nagar	Majri	Majri	C-12	32.95
451.	Giri Nagar	Giri Nagar	Majri	Majri	C-13	50.31
452.	Giri Nagar	Giri Nagar	Majri	Majri	C-14	35.97
					Beat Total	598.97
453.	Giri Nagar	Giri Nagar	Dunga	Dunga	C-1	56
454.	Giri Nagar	Giri Nagar	Dunga	Dunga	C-2	55
455.	Giri Nagar	Giri Nagar	Dunga	Dunga	C-3	45
456.	Giri Nagar	Giri Nagar	Dunga	Dunga	C-4	28.4
457.	Giri Nagar	Giri Nagar	Dunga	Dunga	C-5	43.75
458.	Giri Nagar	Giri Nagar	Dunga	Dunga	C-6	31.44
459.	Giri Nagar	Giri Nagar	Dunga	Dunga	C-7	20.1
					Total	279.69
460.	Giri Nagar	Giri Nagar	Dunga	junglot	C-1	72.86
461.	Giri Nagar	Giri Nagar	Dunga	junglot	C-3	17.61
462.	Giri Nagar	Giri Nagar	Dunga	junglot	C-5	58.1
463.	Giri Nagar	Giri Nagar	Dunga	junglot	C-7	44.27
464.	Giri Nagar	Giri Nagar	Dunga	junglot	C-8	59.2
					Total	252.04
					Beat Total	531.73
465.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-1	56.59

466.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-2	67.68
467.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-3	40.5
468.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-4	25.66
469.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-5	37.23
470.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-6	57.85
471.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-7	33.96
472.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-8	55.08
473.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-9	41.41
474.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-10	52.82
475.	Giri Nagar	Giri Nagar	Khararu	Khararu	C-11	26.41
					Beat Total	495.19
476.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-1	41.25
477.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-2	33.96
478.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-3	42.76
479.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-4	31.44
480.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-5	33.96
481.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-6	37.73
482.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-7	46.28
483.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-8	35.21
484.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-9	46.53
485.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-10	77.97
486.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-11	59.61
487.	Giri Nagar	Giri Nagar	Ganyoni	Ganyoni	C-12	109.41
					Beat Total	596.11
488.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-1	56.92
489.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-2	51.31
490.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-3	43.76
491.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-4	49.3
492.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-5	29.43
493.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-6	58.35

494.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-7	30.69
495.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-8	37.73
496.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-9	21.38
497.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-10	22.64
498.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-11	32.7
499.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-12	33.96
500.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-13	36.22
501.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-14	30.18
502.	Giri Nagar	Giri Nagar	Mehrar	Mehrar	C-15	44.02
					Beat Total	578.59
503.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-1	51.84
504.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-2	35.04
505.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-3	26.4
506.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-4	52.32
507.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-5	59.32
508.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-6	44.48
509.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-7	45.56
510.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-8	53.08
511.	Giri Nagar	Giri Nagar	Jalmusa	Jalmusa	C-9	15.52
					Total	383.56
512.	Giri Nagar	Giri Nagar	Jalmusa	junglot	C-2	48.3
513.	Giri Nagar	Giri Nagar	Jalmusa	junglot	C-4	39.24
514.	Giri Nagar	Giri Nagar	Jalmusa	junglot	C-6	50.3
					Total	137.84
					Beat Total	521.4
515.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-1	120.73
516.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-3	40.24
517.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-5	62.88
518.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-7	27.92
519.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-8	46.53

520.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-9	32.95
521.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-11	36.22
522.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-13	22.39
523.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-14	37.73
524.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-15	55.33
525.	Giri Nagar	Chandpur	Chandpur1st	Chandpur	C-16	42.76
					Beat Total	525.68
526.	Giri Nagar	Chandpur	Chandpur 2 nd	Chandpur	C-2	163.49
527.	Giri Nagar	Chandpur	Chandpur 2 nd	Chandpur	C-4	62.88
528.	Giri Nagar	Chandpur	Chandpur 2 nd	Chandpur	C-6	93.06
529.	Giri Nagar	Chandpur	Chandpur 2 nd	Chandpur	C-10	25.4
530.	Giri Nagar	Chandpur	Chandpur 2 nd	Chandpur	C-12	42.76
531.	Giri Nagar	Chandpur	Chandpur 2 nd	Chandpur	C-17	45.27
532.	Giri Nagar	Chandpur	Chandpur 2 nd	Chandpur	C-18	20.5
					Beat Total	453.36
533.	Giri Nagar	Chandpur	Beas	Beas	C-1	53.85
534.	Giri Nagar	Chandpur	Beas	Beas	C-2	55.23
535.	Giri Nagar	Chandpur	Beas	Beas	C-3	31.19
536.	Giri Nagar	Chandpur	Beas	Beas	C-4	10.07
537.	Giri Nagar	Chandpur	Beas	Beas	C-5	25.15
538.	Giri Nagar	Chandpur	Beas	Beas	C-6	35.21
539.	Giri Nagar	Chandpur	Beas	Beas	C-7	27.16
540.	Giri Nagar	Chandpur	Beas	Beas	C-8	40.75
541.	Giri Nagar	Chandpur	Beas	Beas	C-9	68.91
542.	Giri Nagar	Chandpur	Beas	Beas	C-10	51.3
543.	Giri Nagar	Chandpur	Beas	Beas	C-11	73.44
544.	Giri Nagar	Chandpur	Beas	Beas	C-12	168.76
					Beat Total	641.02
545.	Giri Nagar	Chandpur	Parduni 1 st	Parduni	C-1	77.97
546.	Giri Nagar	Chandpur	Parduni 1 st	Parduni	C-2	94.32

547.	Giri Nagar	Chandpur	Parduni 1 st	Parduni	C-3	54.08
548.	Giri Nagar	Chandpur	Parduni 1 st	Parduni	C-4	74.2
549.	Giri Nagar	Chandpur	Parduni 1 st	Parduni	C-5	52.82
550.	Giri Nagar	Chandpur	Parduni 1 st	Parduni	C-9	41.75
551.	Giri Nagar	Chandpur	Parduni 1 st	Parduni	C-10	52.06
					Total	447.2
552.	Giri Nagar	Chandpur	Parduni 1 st	Mehrar	C-16	60.62
553.	Giri Nagar	Chandpur	Parduni 1 st	Mehrar	C-17	85.77
					Total	146.39
					Beat Total	593.59
554.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-6	96.84
555.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-7	98.1
556.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-8	110.67
557.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-11	50.3
558.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-12	43
559.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-13	55.59
560.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-14	28.42
561.	Giri Nagar	Chandpur	Parduni 2 nd	Parduni	C-15	51.06
					Beat Total	533.98
562.	Giri Nagar	Kansar	Kando Baila	Kando Baila	C-1	95.83
563.	Giri Nagar	Kansar	Kando Baila	Kando Baila	C-2	95.72
564.	Giri Nagar	Kansar	Kando Baila	Kando Baila	C-3	54.75
565.	Giri Nagar	Kansar	Kando Baila	Kando Baila	C-4	88.03
					Total	334.33
566.	Giri Nagar	Kansar	Kando Baila	Barthal	C-1	19.2
567.	Giri Nagar	Kansar	Kando Baila	Barthal	C-2	10.08
568.	Giri Nagar	Kansar	Kando Baila	Barthal	C-3	32.64

569.	Giri Nagar	Kansar	Kando Baila	Barthal	C-4	30.4
570.	Giri Nagar	Kansar	Kando Baila	Barthal	C-5	77.92
					Total	170.24
					Beat Total	504.57
571.	Giri Nagar	Kansar	Kansar	Kansar	C-1	39.52
572.	Giri Nagar	Kansar	Kansar	Kansar	C-2	51.41
573.	Giri Nagar	Kansar	Kansar	Kansar	C-3	22.4
574.	Giri Nagar	Kansar	Kansar	Kansar	C-4	47.36
575.	Giri Nagar	Kansar	Kansar	Kansar	C-5	25.6
576.	Giri Nagar	Kansar	Kansar	Kansar	C-6	5.28
				Total		191.57
577.	Giri Nagar	Kansar	Kansar	Kando Bharog	C-3	81.88
578.	Giri Nagar	Kansar	Kansar	Kando Bharog	C-4	94.32
579.	Giri Nagar	Kansar	Kansar	Kando Bharog	C-5	138.83
					Total	315.03
					Beat Total	506.60
580.	Giri Nagar	Kansar	Bharog Baneri	Samon Kanon	C-1	102.12
581.	Giri Nagar	Kansar	Bharog Baneri	Samon Kanon	C-2	70.52
582.	Giri Nagar	Kansar	Bharog Baneri	Samon Kanon	C-3	65.15
583.	Giri Nagar	Kansar	Bharog Baneri	Samon Kanon	C-4	7.55
584.	Giri Nagar	Kansar	Bharog Baneri	Samon Kanon	C-5	25.15
585.	Giri Nagar	Kansar	Kando Baila	Samon Kanon	C-6	40.32
					Total	310.81
586.	Giri Nagar	Kansar	Bharog Baneri	Kando Bharog	C-1	88.03
587.	Giri Nagar	Kansar	Bharog Baneri	Kando Bharog	C-2	67.91
					Total	155.94
					Beat Toal	466.75
588.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-1	37.48
589.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-2	42.76
590.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-3	47.54

591.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-4	51.57
592.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-5	56.1
593.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-6	20.12
594.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-7	32.7
595.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-8	21.88
596.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-9	73.7
597.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-10	39.02
598.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-11	50.3
599.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-12	43.51
600.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-13	46.79
601.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-14	13.83
602.	Giri Nagar	Kansar	Gullarwala	Gullarwala	C-15	49.05
					Beat Total	626.35
Total of Giri Nagar Range						8173.89
603.	Bhagani	Khodri-Majri	Killour	Salatha	C-1	25.85
604.	Bhagani	Khodri-Majri	Killour	Salatha	C-2	28.67
605.	Bhagani	Khodri-Majri	Killour	Salatha	C-3	64.07
606.	Bhagani	Khodri-Majri	Killour	Salatha	C-4	38.7
					Total	157.29
607.	Bhagani	Khodri-Majri	Killour	Badhana	C-1	157.43
608.	Bhagani	Khodri-Majri	Killour	Badhana	C-2	128.42
609.	Bhagani	Khodri-Majri	Killour	Badhana	C-3	181.86
610.	Bhagani	Khodri-Majri	Killour	Badhana	C-4	84.01
					Total	551.72
					Beat Total	709.01
611.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-1	73.95
612.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-2	56.84
613.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-3	52.63
614.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-4	65.4
615.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-5	58.35

616.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-6	55.84
617.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-7	72.19
618.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-8	42.76
619.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-9	100.62
620.	Bhagani	Khodri-Majri	Gojjar	Khojar	C-10	55.33
					Beat Total	633.91
621.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-1	73.19
622.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-2	62.88
623.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-3	55.53
624.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-4	37.73
625.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-5	51.81
626.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-6	71.69
627.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-7	59.03
628.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-8	56.17
629.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-9	34.96
630.	Bhagani	Khodri-Majri	Majri	Khodari-Majri	C-10	47.79
					Beat Total	550.78
631.	Bhagani	Bhagani	Yamuna	Yamuna	C-1	42.76
632.	Bhagani	Bhagani	Yamuna	Yamuna	C-2	61.12
					Beat Total	103.88
633.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-1	85.47
634.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-2	46.78
635.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-3	48
636.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-4	49.8
637.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-5	40.5
638.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-6	81.74
639.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-7	45.5
640.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-8	56.84
641.	Bhagani	Bhagani	Mehruwala	Mehruwala	C-9	56.84

					Beat Total	511.47
642.	Bhagani	Bhagani	Dhandla	Dhandhla	C-1	80.49
643.	Bhagani	Bhagani	Dhandla	Dhandhla	C-2	55.34
644.	Bhagani	Bhagani	Dhandla	Dhandhla	C-3	47.79
645.	Bhagani	Bhagani	Dhandla	Dhandhla	C-4	22.89
646.	Bhagani	Bhagani	Dhandla	Dhandhla	C-5	65.4
647.	Bhagani	Bhagani	Dhandla	Dhandhla	C-6	75.71
648.	Bhagani	Bhagani	Dhandla	Dhandhla	C-7	49.05
649.	Bhagani	Bhagani	Dhandla	Dhandhla	C-8	27.67
650.	Bhagani	Bhagani	Dhandla	Dhandhla	C-9	42.76
651.	Bhagani	Bhagani	Dhandla	Dhandhla	C-10	62.88
652.	Bhagani	Bhagani	Dhandla	Dhandhla	C-11	70.45
653.	Bhagani	Bhagani	Dhandla	Dhandhla	C-12	10.76
					Beat Total	611.19
654.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-1	9.97
655.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-2	15.34
656.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-3	18.11
657.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-4	50.3
658.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-5	26.41
659.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-6	33.96
660.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-7	35.72
661.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-8	30.43
662.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-9	22.64
663.	Bhagani	Bhagani	Amboya	Danda-Amboya	C-10	93.31
					Beat Total	336.19
664.	Bhagani	Rajpur	Danda	Danda-Amboya	C-11	71.68
665.	Bhagani	Rajpur	Danda	Danda-Amboya	C-12	47.79
666.	Bhagani	Rajpur	Danda	Danda-Amboya	C-13	55.33
667.	Bhagani	Rajpur	Danda	Danda-Amboya	C-14	37.73

668.	Bhagani	Rajpur	Danda	Danda-Amboya	C-15	29.43
669.	Bhagani	Rajpur	Danda	Danda-Amboya	C-16	41.5
670.	Bhagani	Rajpur	Danda	Danda-Amboya	C-17	21.38
671.	Bhagani	Rajpur	Danda	Danda-Amboya	C-18	40.24
672.	Bhagani	Rajpur	Danda	Danda-Amboya	C-19	22.64
673.	Bhagani	Rajpur	Danda	Danda-Amboya	C-20	71.68
					Beat Total	439.4
674.	Bhagani	Rajpur	Salwala	Kandela	C-6	93.06
675.	Bhagani	Rajpur	Salwala	Kandela	C-7	156
676.	Bhagani	Rajpur	Salwala	Kandela	C-8	98.6
677.	Bhagani	Rajpur	Salwala	Kandela	C-9	92.56
678.	Bhagani	Rajpur	Salwala	Kandela	C-10	168.77
					Beat Total	608.99
679.	Bhagani	Rajpur	Puruwala	Giri	C-1	171.03
680.	Bhagani	Rajpur	Puruwala	Giri	C-2	25.15
681.	Bhagani	Rajpur	Puruwala	Giri	C-3	409.98
682.	Bhagani	Rajpur	Puruwala	Kandela	C-1	65.4
683.	Bhagani	Rajpur	Puruwala	Kandela	C-2	69.92
684.	Bhagani	Rajpur	Puruwala	Kandela	C-3	48.29
685.	Bhagani	Rajpur	Puruwala	Kandela	C-4	73.95
686.	Bhagani	Rajpur	Puruwala	Kandela	C-5	67.43
					Beat Total	931.15

687.	Bhagani	Rajpur	Rajpur	Rajpur	C-1	50.05
688.	Bhagani	Rajpur	Rajpur	Rajpur	C-2	81.2
689.	Bhagani	Rajpur	Rajpur	Rajpur	C-3	62.63
690.	Bhagani	Rajpur	Rajpur	Rajpur	C-4	65.15
					Beat Total	259.03
Total area of Bhagani Range 5695.00 ha						
Grand Total of Paonta Sahib Forest Division:						28791.69 ha

Appendix IIA- Enumeration and its results

Compartment History files of Paonta Sahib Forest Division have been prepared as per National Working Plan Code, 2014 as per CH Form 2 and have to be maintained as such:

Block	Compartment	Sub compartment	Total area (Ha)	Area enumerated	Sampling Method if partial	Year of enumeration

Result of enumeration are to enlisted as given in NWPC 2014:

Species	Diameter class in cm. (Number in each class)									
	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90 & over	Total

Details of CH files are given as under:

Sr. No.	Name of Range	Name of Reserve Forest with compartment	Total compartment (in Nos)
1	Paonta Sahib Forest Range	Chachheti C-1 to 15	15
		Sarah C-1 to 10	10
		Jamotwa C-1 to 19	19
		Jambukhala C-1 to 6	06
		Mantaruwala C-1 to 5	05
		Rampur Belli C-1	01
		Garibnath C-1 to 18	18
		Jamniwala C-1 to 11	11
		Mankundion C-1 to 4	04
		Jhara C-1 to 20	20

		Lai C-1 to 33	33
		Khara C-1 to 20	20
		Malgi C-1 to 28	28
		Kukron C-1 to 16	16
		Rajban C-1 to 12	12
		Gorakhpur C-1 to 18	18
	Total number of CH files of Paonta Sahib Range.	16 Nos RF & CH files	236 Nos.
2	Giri Nagar Forest Range	Kando Biala C-1 to 3	03
		Kansar C-1 to 6	06
		Kando Bharog C-1 to C-5	05
		Samon Kanon C-1to 6	06
		Beas C-1 to 12	12
		Chandpur C-1 to 18	18
		Parduni C-1 to 15	15
		Mehrar C-1 to 17	17
		Majri C-1 to 14	14
		Khararu C-1 to 11	11
		Ganyoni C-1 to 12	12
		Gullarwala C-1 to 15	15
		Dunga C-1 to 7	07
		Janglot C-1 to 8	08
		Jalmusa C-1 to 9	09
		Barthan C-1 to 5	05
	Total number of CH files of Giri Nagar Range.	16 Nos RF & CH files	163 Nos.

	Bhagani Forest Range	Yamuna C-1 & 2	02
		Mehruwala C-1 to 8	08
		Dhandla C-1 to 12	12
		Danda Amboya C-1 to 20	20
		Khojjar C-1 to 10	10
		Majri C-1 to 10	10
		Badana C-1 to 4	04
		Salatha C-1 to 4	04
		Rajpur C-1 to 4	04
		Kandela C-1 to 10	10
		Giri C-1 to 3	03
	Total number of CH files of Bhagani Sahib Range.	11 Nos RF & CH files	87 Nos.
	Majra Forest Range	Garhi C-1 to 4	04
		GarhiBanswaliC-1to 6	06
		Sudanwala C-1 to 10	10
		Naurangabad C-1 to 7	07
		Pipliwala C-1 to 4	04
		Behrewala C-1 to 5	05
		Jamanwali C-1 to 7	07
		Tokiyon C-1 to 7	07
		Sainwala C-1 to 7	07
		Paniwala C-1 to 5	05
		Sukhmelion C-1 to 12	12
		Badighati C-1 to 4	04
		Kyarda C-1 to 8	08

		Banswali C-1 to 14	14
		Katapathar C-1 to 10	10
		Surajpur C-1 to 6	06
		Mahadev ka khala C-1 to 8	08
		Gutanpur C-1 to 20	20
		Kothewali C-1 to 10	10
		Mast Ali C-1 to 10	10
		Ambwali C-1 to 6	06
		Konch beli C-1 & C-2	02
		Gharatwali C-1 to 12	12
		Sukron C-1 to 16	16
	Total number of CH files of Majra Range.	24 Nos RF & CH files	200 Nos
	Total number of CH files of Paonta Sahib Division	67 Nos RF & CH files	686 Nos.

Appendix –IIB: Biodiversity Assessment

Ecological parameters of Trees (Working circle wise)

Working Circle	Species	Density	Frequency (%)	Basal Area	IVI Value
SAL	Sal	16.56	94.98	0.04065	175.44
	Chil	0.00	0.39	0.00003	0.19
	Eucalyptus	0.14	2.32	0.00055	2.36
	Amaltas	0.29	13.90	0.00024	5.96
	Chhal	0.25	9.27	0.00050	4.85
	Jamun	1.05	24.71	0.00120	14.26
	Jhingan	0.45	21.62	0.00064	9.74
	Khair	0.27	7.72	0.00022	3.89
	Rohini	2.27	43.24	0.00128	25.13
	Sain	1.25	39.38	0.00404	25.06
	Shisham	0.02	1.93	0.00001	0.71
	Simbal	0.02	1.54	0.00016	0.87
	Tendu	0.40	16.60	0.00047	7.68
	Kokat	1.38	46.33	0.00202	23.84

Working Circle	Species	Density	Frequency (%)	Basal Area	IVI
CHIL	Chhal	0.08	7.69	0.00000	3.42
	Chil	5.69	46.15	0.00072	85.77
	Jamun	1.69	53.85	0.00012	35.47
	Jhingan	0.46	23.08	0.00002	12.08
	Rohini	0.38	7.69	0.00001	5.40
	Sain	0.62	15.38	0.00004	11.03
	Sal	5.85	53.85	0.00091	99.42
	Kokath	3.15	61.54	0.00014	47.42

Working Circle	Species	Density	Frequency (%)	Basal Area	IVI
PCR	Amaltas	0.35	13.01	0.00017	6.69
	Chhal	1.32	24.39	0.00062	17.61
	Chil	1.09	9.76	0.00061	11.97
	Eucalyptus	0.16	3.25	0.00018	2.91
	Jamun	0.33	14.63	0.00023	7.52
	Jhingan	1.15	37.40	0.00075	21.68
	Khair	1.09	21.95	0.00044	14.64
	Rohini	2.11	26.83	0.00049	21.33
	Sain	1.82	37.40	0.00164	30.38
	Sal	6.58	52.03	0.00675	89.40
	Shisham	0.33	5.69	0.00016	4.32
	Simbal	0.09	5.69	0.00016	3.19
	Tendu	0.53	18.70	0.00022	9.63
	Kokath	4.15	54.47	0.00356	58.74

WORKING CIRCLE	SPECIES	DENSITY	FREQUENCY	BASAL AREA	IVI
KHAIR	Khair	177.25	1	177.25	169.047
	Shisham	1.562	0.312	5	13.295
	Sain	5.25	0.312	16.8	18.629
	Sal	20.312	0.375	54.166	38.947
	Chil	1.062	0.062	17	7.876
	Eucalyptus	1.562	0.062	25	10.598
	Kokat	18.625	0.687	27.09	41.102

Ecological parameters of Shrub species

Sr. No.	Species Name	Frequency	Density	Abundance	IVI
1	<i>Adhatoda vasica</i>	0.7752	0.0078	1	2.7398
2	<i>Achyranthes aspera</i>	2.3256	0.0233	1	3.9054
3	<i>Asperagus racemosus</i>	0.7752	0.0078	1	2.7398
4	<i>Berberis lycium</i>	1.5504	0.0155	1	3.3226

5	<i>Bidens pilosa</i>	1.5504	0.0155	1	3.3226
6	<i>Boehmeria virgata</i>	1.5504	0.0465	3	8.3483
7	<i>Carissa spinarum</i>	54.2636	1.3256	2.4429	64.0363
8	<i>Clematis vitalba</i>	5.4264	0.1705	3.1429	13.5277
9	<i>Clerodendrum infortunatum</i>	13.1783	0.4419	3.3529	24.2572
10	<i>Clerodendrum viscosum</i>	3.8760	0.0388	1.0000	5.0710
11	<i>Clerodendrum spp</i>	4.6512	0.1705	3.6667	14.2527
12	<i>Colebrookea oppositifolia</i>	2.3256	0.0853	3.6667	11.0808
13	<i>Cucurbita spp</i>	4.6512	0.0465	1	5.6538
14	<i>Flacourtia sapida</i>	6.2016	0.0620	1	6.8193
15	<i>Flemengia semialata</i>	0.7752	0.0078	1	2.7398
16	<i>Ichnocarpus frutescens</i>	3.1008	0.0930	3	10.2256
17	<i>Ipomia</i>	0.7752	0.0078	1	2.7398
18	<i>Jatrophaa curcas</i>	0.7752	0.0078	1	2.7398
19	<i>Lantana camara</i>	24.0310	0.3643	1.5161	24.1839
20	<i>Mentha arvensis</i>	2.3256	0.0233	1	3.9054
21	<i>Murraya koenigii</i>	43.4109	0.7829	1.8036	44.5339
22	<i>Opuntia humifusa</i>	0.7752	0.0078	1	2.7398
23	<i>Protium serratum</i>	1.5504	0.0155	1	3.3226
24	<i>Urtica dioica</i>	0.7752	0.0078	1	2.7398
25	<i>Woodfordia fruticosa</i>	10.0775	0.5814	5.7692	31.0525

Appendix –IIC: Regeneration Surveys

Observations and analysis for regeneration in Experimental Silviculture areas:

The regeneration survey results of the experimental Silvicultural Felling Program (conducted in Paonta Sahib Range from 2018-19 to 2019-20) in the Sal forests in RF Kukron, RF Rajban and RF Lai of Paonta Sahib Forest range have been conducted since 2019 annually.

The compartments were found to have regeneration, albeit the same was in very early stage. A number of young saplings in two-leaved, four-leaved and six-leaved stage were seen. The data of regeneration survey undertaken in October of every year suggests that the regeneration score is following a slow but steady trend. It is seen that the regeneration percentage is more in the felled PB-1 area of Rajban than Kukron. In order to assist natural regeneration, fencing of the forests after silviculture fellings have been done and bush cutting of *Ardisia solanacea* in Sal forests is done on a yearly basis.

Forest (PB I areas)	Regeneration Percentage			
	October 2019-20	October 2020-21	October 2021-22	October 2022-23
RF Kukron C14 (20 Ha)	17.6 %	23.8 %	19.56 %	18.85%
RF Rajban* C10 (7.5 Ha)	20.9 %	28.5 %	24.7 %	29.3%

Also, as a comparative study, regeneration survey was also carried out in adjacent compartment of RF Rajban C10 (with regeneration 29.3%). In RF Rajban C9 (PB-I area), where silviculture operations were not carried out, regeneration survey was done using the same methodology of Line plot. The regeneration status owing to denser canopy and no cultural operations leading to heavy weed infestation for RF Rajban C9 was observed at only 13.71%. One can derive that the regeneration of Sal in silviculture areas has more than doubled, in line with expected results.

Appendix –III- Rights concessions, Grazing regulations and Notification

Detail of Rights of Right holder in Paonta Sahib Forest Division.										
NO. & Name of compartment	Name of villages allowed concession	Grazing	Lopping	Dhau Grass	Timber/Tree	Dry Fallen fuel wood	Access to drinking water for cattle	Wood for agriculture implements	Thorny bushes for Fencing	Wood for burning dead
1	2	3	4	5	6	7	8	9	10	11
1. Badhana	Kilaur (HB 50) Bhandana (HB49)	On payment for mauza Kilaur. Not allowed for mauza Bdhona	On payment Not allowed to mauzaBadh ana	---	On payment and permissio n	On payment for MauzaKilaur and free for MauzaBadhana	Free as in practice	Free with permission	Free with permission	Free
2. Rajpur	----	----	----	----	----	----	----	----	----	----
3. Salatha	Kalatha (HB 48)	On payment	Not allowed from the Govt. Forest	----	On payment and permissio n	Free with permission	-do-	-do-	-do-	-do-

4. Khodri Majri	Khodri-Parmanand (HB 52) Pahruwala (HB 51) Danda (HB 47)	-do-	On payment if available	----	-do-	-do-	-do-	-do-	-do-	-do-
5.Khojar	Tauru (HB 46)	-do-	-do-	----	-do-	Not admitted	-do-	-do-	-do-	-do-
6.Dhandhla	Kiarka (HB 44) Nagheta (HB 43) Gojjar – Adain (HB 53) Bhagani (HB 54)	-do-	-do-	----	-do-	Free to Kiarka and Nagheta and on payment to KhojarAdain	-do-	-do-	-do-	-do-
7. Yamuna	----	----	----	----	----	----	----	----	----	----
8.Mehruwala	Agroon(H B 42) RajpuraDhagali(HB 35) Bharli(HB 41)	On payment	On payment if available	----	On payment and permission	Free with permission	Free with practice	Free with permission	Free with permission	Free
9. DandaAmbowa	Danda (HB 32) ShampurGorkuwala(HB 57) KangraGurasa(HB 36) Ambowa(H B 33) RajpurDhagali (HB	On payment for MauzasDanda , Kangra , Gurasa, Ambowa and Bas Rajpur, Kulthina,	-do-	----	-do-	On payment to mauzaBhagani and free to rest	-do-	-do-	-do-	-do-

	35) Kulthina (HB 29) PuruwalaA mbiwala(H B 59) Bhagani(H B 54) Khandela(HB 31)	Puruwala, Ambiwala free for mauzaSha mpur, Ghorkhuwa la								
10.Giri	Manpurdeo ra(HB 56) AmbwalaSi ngpura(HB 108)	On payment of mauzaAmb uwalaSingp ura and free for muzaManp urdeora	On payment to mauzaAmb uwalaSingp ura and not allowed to mauzaMan purdeora	----	On payment and permissio n	Not allowed to mauzaManpurdeora and free to mauzaAmbuwalaSi ngpura	Free with practice	Free with permission	Free with permission	Free
11. Kandhela	Kulthina(H B29) Puruwala Ambiwala (HB59) Kandhela (HB31) SalwalaDo bri(HB60)	On payment	On payment to Kulthina and not allowed to Puruwala and Ambiwala	---	On payment and permissio n	Free with permission	Free with practice	Free with permission	Allowed free to Kulthina	Free
12 .Kando Baila	Bhatana Kanyala Mehat (HB75) Bograth Chia- Mamyana (HB62) Kando	On payment	On payment	---	On payment and permissio n	Free with permission	Free as in practice	Free with permission	Free with permission	Free

	Bharog (HB64) Kando Fagad									
13. Kansar	Gawana (HB74) Kansar (HB74) Pharli(HB63)	On payment	On payment	---	On payment and permissio n	Free with permission	Free as in practice	Free with permission	Free with permission	Free
14. Kando Bharog	HaldwariB hakan Kelewala (HB77) ThakkarKu juwala (HB73) Bharog Baneri (HB72) GarlaKyart u (HB78)	On payment	On payment	---	On payment and permissio n	Free with permission	Free as in practice	Free with permission	Free with permission	Free
15. Samon Kanon	KanonSam on Kulhan (HB79) DatyaKand ola (HB81) Kurla (HB80)	On payment not allowed to mauzaKurl a in Govt. Forest	On payment with permission not allowed to mauzaKurl a	---	On payment and permissio n	Free for personal use only Not allowed to mauza Kurla	Free as in practice	Free with permission	Free with permission	Free
16. Chhachheti	GatuNavi (HB 82) Kando Khali Acchun (HB 83)	On payment	Free to Gatu and Navi Mauza on Payment and with	---	On payment and permissio n	Free for personal use	Free as in practice	Free with permission	Free with permission	Free

			permission to rest							
17. Sarah	Chhachheti (HB84) Sarah Katla (HB 85) Salahsadh (HB87) Kando Nadi	On payment	On payment	---	On payment and permission	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free
18. Malgi	Malgi (HB 88) Tal Sirmouri	On payment	On payment	---	On payment and permission	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free
19. Garibnath	Kanshipur (HB 94) Ajauli (HB93) Shivpur (HB 102) Kahonwala (HB150) Bangram (HB 104) Akalgarh (HB 107) Bungharni (HB100) Kishankot (HB 91) Mughalwala (HB103) Kartarpur (HB90) Nariwala – HaripurToh	On payment	On payment	---	On payment with permission and Not allowed to MauzaShivpur on concession at rate but at market rate	Free for use This concession is not allowed free to Mauza Shivpur	Free as in practice	Free with permission	Free with permission	Free

	ana (HB101) Phoolpur Shemsherg arh									
20.Mantaru wala	Mantaruwa la(HB114) Amarkot (HB 97) Dharamkot (HB122)	On payment	On payment	---	On payment and permissio n	Free not allowed to Taruwala	Free as in practice	Free with permission	Free with permission	Free
21. Rampur Beli	---	---	---	---	---	---	---	---	---	---
22. Rajban	Rajban (HB 89) Kisankot (HB 91) Naraingarh Nariwala (HB 92)	On payment	On payment	---	On payment and permissio n	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free
23. Gorakhpur	----	---	---	---	---	---	---	---	---	---
24. Jamaukhala	Gondpur Taruwala(HB 114) Amarkot (HB 97)Nihalgarh(HB96) Kanshipur (HB 94) Bherewala (HB 99) Naraingarh (HB 92) HaripurToh	On payment	On payment		On payment	Not allowed to Taruwala free to rest	Free as in practice	Free with permission	Free with permission	Free

	ana (HB101)									
25. Jamotwa	Gondpur Jawalpur (HB 95) Nihalgarh (HB 96) Taruwala (HB 114) Amarkot (HB 97) Dharamkot (HB 122) Naraingarh (HB 92) Bainkua (HB127)	On payment	On payment	---	On payment and permission	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free
26. Jamniwala	Bainkua (HB127) Ganguwala Jamniwala Khara (HB 123)	On payment	On payment	---	On payment and permission	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free
27. Kukron	Bainkua (HB127) Ganguwala Jamniwala Khara (HB 123) Malgi (HB88) Taruwala (HB 114)	On payment	On payment	---	On payment and permission	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free
28. Khara	TokaNagla (HB125)	On payment	On payment	---	On payment and permission	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free

29. Lai	---	---	---	---	---	---	---	---	---	---
30. Man Kundion	Ajiwala (HB 124) Kundion	On payment	On payment	---	On payment and permission	Free for personal use only	Free as in practice	Free with permission	Free with permission	Free
31. Jhara	Gulabgarh (HB141)	On payment	On payment	---	On payment and permission	Free for personal use only	Not admitted shall remain in the Zamindari areas usual	Free with permission	Free with permission	Free
32. Beas	Fatehpur (HB 145) Beas (HB 142)	On payment	On payment	---	On payment and permission	Not allowed in Govt. Forest obtained by villagers from zamindari area on payment to mauza Beas	Not allowed	Free with permission	Free with permission	Free
33. Chandpur	Majra (HB 149) Kotri Chandpur	On payment	On payment	---	On payment and permission	From zamindari areas only . This allowed only payment from Majra Range Forest now	Free as in practice	Free with permission	Free with permission	Free
34. Parduni	Tokiyon (HB 152) Sainwal Mubarikpur (HB 151) Behramtpur Salamatpur (HB150) Gungloo (HB 153) Rampur	Not allowed to Tokiyon and payment to the rest	On payment	---	On payment and permission	Free	Allowed as per past practice	Free with permission	Free with permission	Free

	Banjara (HB 154)									
35. Mehrar	Rampur Majri (HB 156)	On payment	On payment	---	On payment and permissio n	Free	Allowed as per past practice	Free with permission	Free with permission	Free
36. Majri	Rampur Majri (HB 156) Mehrar (HB 155)	On payment	On payment	---	On payment and permissio n	Free	Allowed as per past practice	Free with permission	Free with permission	Free
37. Khararu	Bharapur (HB 157)	On payment	On payment	---	On payment and permissio n	Free	Allowed as per past practice	Free with permission	Free with permission	Free
38. Ganyoni	Mandhara (HB 70) Sawara Nadasi (HB 69)	On payment	On payment	---	On payment and permissio n	Free	Allowed as per past practice	Free with permission	Free with permission	Free
39. Gullarwala	Mandhara (HB 70) Sawara Nadasi (HB 69)	On payment	On payment	---	On payment and permissio n	Free	Allowed as per past practice	Free with permission	Free with permission	Free
40. Dunga	---	---	---	---	---	---	---	---	---	---
41. Janglot	Kolar (HB 162) Madhana (HB 65) Janglot (HB 66) PhandiBho odiwala(H B 161)	On payment	On payment	---	On payment and permissio n	Free	Allowed as per past practice	Free with permission	Free with permission	Free

42. Jalmusa	Kolar (HB 162) Madhana (HB 65) Janglot (HB 66) PhandiBhodi (HB 161)	On payment	On payment	---	On payment and permission	Free	Allowed as per past practice	Free with permission	Free with permission	Free
43. Barthal	Sahan (Hb 68) Barthal (HB 67)	On payment	On payment	---	On payment and permission	Free	Allowed as per past practice	Free with permission	Free with permission	Free
44. KolarKaron dewali	Dholakuan (HB 158)	On payment	On payment	---	On payment and permission	Free	----	Free with permission	Free with permission	Free
45. Daranwala	Satiwala	On payment	On payment	---	On payment and permission	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
46. Garhiwala	Kolar (HB 162) Satiwala (HB 130)	On payment	On payment	---	On payment and permission	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
47. Garhi	---	----	----	----	----	---	---	----	---	---
48. GarhiBans wali	---	----	----	----	----	---	---	----	---	---
49. Sudanwala	Kolar (HB 162) BehrewalaJ	On payment	On payment	---	On payment and	Free	Free as in practice	Free with permission	Free	Free

	atonwalaD hakwala				permissio n					
50. Naurangab ad	---	----	----	----	----	---	---	----	---	---
51. Pipalwali	---	----	----	----	----	---	---	----	---	---
52. Behrewala	---	----	----	----	----	---	---	----	---	---
53. Jamanwali	---	----	----	----	----	---	---	----	---	---
54. Tokiyon	---	----	----	----	----	---	---	----	---	---
55. Sainwala	---	----	----	----	----	---	---	----	---	---
56. Paniwala	---	----	----	----	----	---	---	----	---	---
57. Sukhimelio n	---	----	----	----	----	---	---	----	---	---
58. Badighati	---	----	----	----	----	---	---	----	---	---
59. Kiyarada	Misserwala (HB 146) Jagatpur (HB 147) Melion (HB148) Johron(HB 147)	On payment	On payment	---	On payment and permissio n	Free to Misserwala and Melion And MauzaJagatpur Obtains it from contracter and not allowed to Johron who get it from jamindari area	Free as in practice	Free with permission	Free with permission	Free
60. Banswali	---	----	----	----	----	---	---	----	---	---
61.Katapat har	Surajpur (HB134) Amargarh (HB 136) Pipliwala	Not allowed to Pipliwala and	On payment	---	On payment and permissio n	Free For bonafide use	Not allowed	Free with permission	Free with permission	Free

	(HB138) Santokhgar h (HB 98	payment to others								
62. Surajpur	Surajpur (HB134 Patlion (HB 133) Santokhgar h (HB 98	On payment	On payment	---	On payment and permissio n	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
63. MahadevK hala	Surajpur (HB134 Patlion (HB 133)	On payment	On payment	---	On payment and permissio n	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
64. Ghuttanpur	Ghuttanpur (HB 132) Bhattanwal i (HB129) Patlion (HB 133) Bhupur (HB 188) Kedarpur (HB 119)	Free to MauzaGhut tanpur and on payment to the rest	On payment	---	On payment and permissio n	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
65. Kothewali	Behral (HB 131) Satiwala (130)	On payment	On payment	---	On payment and permissio n	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
66. Mastali	Behral (HB 131) Satiwala (130)	On payment	On payment	---	On payment and permissio n	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
67. Ambwali	Behral (HB 131)	On payment	On payment	---	On payment and	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free

					permissio n					
68. Konchbeli	---	----	----	----	----	---	---	----	---	---
69.Gharatw ali	Palhori (HB 169)	On payment	On payment	---	On payment and with permissio n	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free
70. Marusidh	---	----	----	----	----	---	---	----	---	---
71. Sunkron	Palhori (HB 169)	On payment	On payment	---	On payment and permissio n	Free For bonafide use	Free as in practice	Free with permission	Free with permission	Free

Appendix –IV: The current schedule of rates of timber, compensation etc.

In compliance with Himachal Pradesh Govt. circular no. FFE-A(B)II-16/2015 Dated 12.07.2017, all the estimates of the civil and engineering works are prepared as per the schedule rates of Himachal Pradesh Public Works Department. At present the revised schedule rate of HPPWD for 2020 is followed. However, for forestry works the schedule rate of HPFD is followed. The norms of plantation and nursery works are annually revised by the Forest Department.

Rates of compensation for compounding of forest offences fixed by Chief Conservator of Forests in May 2023 –

(In exercise of powers vested in CCF Nahan under serial no. 5 of Govt. of HP. Notification no. FFE-B-A (3)-3/2010 Dated 05.05.2010, the rates of compensation for compounding of various forest offences u/s 68 of the Indian Forest Act, 1927 in Forest Circle, Nahan are hereby fixed)

SCHEDULE OF SANCTIONED RATES OF COMPENSATION FOR COMPOUNDING OF FOREST OFFENCES UNDER SECTION 68 OF INDIAN FOREST ACT, 1927.

1. Illicit Felling:

(a) Illicit Felling of trees: Not to be compounded as per the order dated 24.05.2016 of CWPIL 8/2015 of Hon'ble High court Himachal Pradesh

(b) Illicit cutting or girdling of trees leading to death of tree:

Sr. No.	Name of Species	Compensation (in Rs.) Per m3	Penalty /Value of Forest Produce (Rs./m3)
1.	Conifers and Broadleaf Species	5% (Five percent) of the market rates (Specie-wise) fixed by the Govt./Pr.CCF. H.P. Shimla for the year. -	Rates (Specie-wise) fixed by the Govt./Pr.CCF. H.P. Shimla for the year. -
2.	Sapling /Seedlings of conifer and B.L. Species.	Rs.100/- each	Rs.100/- each
I Illicit Felling of Bamboos from Govt/. Forest Land:			
S.No.	Bamboo	Compensation (Rs.)	Penalty /Value of Forest produce in (Rs.)
1.	Maggar	100/-each	100/-each
2.	Other Bamboos	50/- each	100 /-each
3.	Nargal	100/- per bundle	500/- per bundle of 100 sticks.
2. Illicit Lopping			
1	Per head load/ cycle load	100/-	150/-
2.	Per mule/ donky load	100/-	250/-

3.	Per load of Cycle/ motorcycle/ Scooter/ Riksha.	100/-	300/-
4.	Per trolly tractor load, tempo	100/-	5000/-
5.	Per truck load.	100/-	12000/-
6.	Car/ Jeep/ Pickup Van/Auto Rikshaw.	100/-	3000/-

3. Illicit Grazing:-

S.No.	Particulars	Compensation (in Rs.) Per animal.	Penalty per Animal
1.	Buffalo	50/-	130/-
2.	Sheep and Goat	50/-	130/-
3.	Cow, Bullocks and OX	50/-	130/-
4.	Pony, Mules, Camel, Horses and Donkeys	50/-	130/-
5.	Non-Renewal of Grazing Permit	500/- per permit/per year	After 3 year permit will be cancelled

Note:- 1. Compensation at double rate will be charged if a person(s) graze his/her animals outside their recorded right without valid permits and in closed areas.
2. Half the rates shall be charged for calves/kids/ponny.

4.Unauthorized Muck dumping in Forest land/ Govt Land :-

Sr. No.	Particulars	Compensation	Price (Rs.)
1.	Dumping of excavated material/ muck/ debris.	3500/-Per m ³	This kind of offences shall be compounded after ascertaining the facts by an Officer not below the rank of RFO.
2.	Dumping of Municipality/ House/ Hospital/ Industry/ garbage/ waste.	5000/-Per m ³	
3	Dumping of House Hold Waste By Individual	5000/-Per m ³	-do-
4	Dumping of Industry Garbage/Waste	50000/-Per m ³	-do-

5. Illicit extraction of slates, sand, Bajri, Stone, from the Govt. Forest/Land.

S. No.	Particulars	Compensation / Penalty (in Rs.) Per M3	Value of Forest Produce (in Rs.) Per M3
1.	Stone or Bajri	2000/-	3000/-
2.	Sand	2000/-	3000/-
3.	Slate	100/- per Sq. Feet	100/- per Sq. feet
4.	Soil	500/- per M3	1700/- per M3

6. Illicit Grass cutting

S. No.	Particulars	Compensation / Penalty (in Rs.)	Value of Forest Produce
1.	Un-authorized grass cutting per head load (HL)	25/-	45/- P. HL.

2.	Un-authorized grass cutting Donkey/Camel load	60/-	90/- P. HL.
3.	Un-authorized grass cutting Tractor load (Tr/1)	900/-	2700/- P. Tr/L
4.	Un-authorized grass cutting truck load (Tr/1)	3500/-	7000/- P. Tr/L

7. Illicit collection and Transportation of Fire/fuel Wood

S. No.	Particulars	Compensation / Penalty (in Rs.)	Value of Forest Produce (in Rs.)
1.	Fire wood per head load (HL)	50/-	80/-
2.	Fire wood Mule/ Donkey/Camel load	550/-	880/-
3.	Fire wood all LMVs load	4000/-	12000/-
	Fire wood Tractor load	4400/-	12000/-
4.	Fire wood truck load	6600/-	23000/-

8. Transportation of Timber and other forest Produce under section 41, 42 of IFA 1927. Violating terms and conditions imposed by DFO.

Sr. No.	Particulars	Penalty	Price (Rs.)
1.	Transportation of the resin, timber, Khairwood, Katha carrying valid permit and rawanna challan after sunset and before sunrise violating T & C imposed by DFO.	I Rs 5000 per case for 1 st offence in a financial year II Subsequent 2 nd offence onwards Value of forest produce and value of rate of release of vehicle to be realized.	This kind of offences shall be compounded after ascertaining the facts by an Officer not below the rank of RFO.
2	Transportation of the other Forest Produce carrying valid permit and rawanna challan after sunset and before sunrise violating T & C imposed by DFO.	-do-	-

9. Offence in Plantations and Nursery areas.

Sr. No.	Particulars	Compensation	Penalty
1.	Removal/ damage of fence posts from plantation areas	250 per case	Wooden -200/-,RCC-500/- Per fence post
2.	Removal/ damage of B/Wire fencing per running meter.	10/-RMT	15/- Per RMT
3.	Damage to plants in nursery.	100/-Per case	70/- Per Plant
4.	Damage to plants planted in plantation area	200/-per case	250/- Normal Plants, 500/- Tall Plants.

10. Un-authorized /illicit Resin Tapping in Govt.Forest/Land and Private Land : -

(ii) Fixing of compensation rates for the under section 68 of IFA in respect of Resin Tapping

Sr. No.	Particular	Compensation	Penalty	Value of Forest Produce (in Rs.)
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1.	Setting of crop without permission i.e. debarking & marking.	60/-per tree	40/- per tree per blaze	As per prevailing pricing committee decision available in record.
2.	Unauthorized Resin tapping in private area.	50/-per tree	50/- per tree per blaze	Resin to be seized and released on realization of market value
3.	Illicit resin tapping in Govt. Forests	50/-per tree	50/- per tree per blaze	As per prevailing pricing committee decision available in record.
4.	Number of rills from 33 to 40.	200/-per case	30/- per ril	
5.	Number of rills more than 40.	200/-per case	40/- per ril	
6.	Depth of rill more than 4mm	200/-per case	10/- per ril	
7.	Width of blaze more than 20cm	200/-per case	10/- per blaze	
8.	Distance below rill less than 5mm	200/-per case	10/- per blaze	
9.	Acid concentration higher than prescribed	200/-per case	50/- blaze	
10.	Setting of blaze not above the blaze of last year.	200/-per case	10/- per blaze	
11.	Using knife without guide.	200/-per case	10/- per blaze	
12.	Setting of blaze without frame.	200/-per case	10/- per blaze	
13.	Setting of blaze without keeping space of 7.5 cm from adjacent blaze	200/-per case	10/- per blaze	
14.	Non removal of Cup & Lip from the tree after completion of resin extraction period.	200/-per case	10/- per blaze	
15.	Storing of resin outside the approved depots.	200/-per case	100/-per tin	
16.	Storing of resin tins at registered depot without entry into depot register.	200/-per case	100/- per tin	
17.	Storing of empty tins at registered depot without numbering & without property Mark.	200/-per case	100/- per tin	

11. Un-authorized collection, carriage and transportation of medicinal herbs and NTFP.

Sr. No	Botanical Name	Local/Trade Name	Plant Part	Compensation per Qtls. In Rs.	Penalty/Market Value (in Rs.) per Qtl.
1	<i>Aconitum dienorrhizum</i>	Vatsnabh/Mohra	Tubers	110/-	80000/-
2	<i>Aconitum heterophyllum</i>	Atis/Patis/Karvi patis	-do-	110/-	55000/-
3	<i>Aconitum violaceum</i>	Mitha Telia/Mitha Patis.	-do-	110/-	5500/-
4	<i>Acorus calamus</i>	Bach/Bare/Barian	Rhizomes	110/-	1650/-

5	<i>Adhatoda zeylanica</i> = <i>A. vasiaca</i>	Basuti/Bansa	Leaves	110/-	1100/-
6	<i>Adiantum lunulatum</i>	Damtuli/Hansraj	Fronds/whole plant	110/-	0
7	<i>Aegle marmelos</i>	Bael	Roots/Stem/Fruit	110/-	1100/-
8	<i>Aesculus indica</i>	Khanor	Fruits/Seeds	110/-	1100/-
9	<i>Ainselia aptera</i>	Sathjalori	Roots	110/-	1100/-
10	<i>Alnus nitida</i>	Kosh Cones/Birch pine	Dry Cones	110/-	1650/-
11	<i>Angelica glauca</i>	Chora	Roots	110/-	1650/-
12	<i>Arctium lappa</i>	Jangli kuth	Roots	110/-	11650/-
13	<i>Artemisia brevifolia</i>	Seski	Flowering Shoots	110/-	1320/-
14	<i>Atropa acuminata</i>	Belladona/Jharka	Leaves	110/-	1310/-
15	<i>Asparagus adscendens</i>	Shatavari/Safed Musli/Sanspal		110/-	2220/-
16	<i>Berberis spp</i>	Kashmal/Daruhaldi	Roots/Stems	110/-	1650/-
17	<i>Bergenia Ciliate/Bstracheyi</i>	Pasahnbedh/Pather Chat	Roots	110/-	1200/-
18	<i>Betula Utilis</i>	Bhojpatr	Bark	110/-	3000/-
19	<i>Bunium Persicum</i>	Kala Zira	Fruits	110/-	22000/-
20	<i>Cedrus deodara</i>	Deodar Rosette	Dry Cone Part	110/-	1650/-
21	<i>Cinnamomum tamala</i>	Tejpatra	Leaves	110/-	1650/-
22	<i>Colebrookia oppositifolia</i>	Bindi Phool	Dried Flowers	110/-	660/-
23	<i>Curcuma angustifolia</i>	Ban Haldi	Rhizomes	110/-	1300/-
24	<i>Dactylorhiza hatageria</i>	Salam Panja/Hath Panja	Tubers	110/-	66000/-
25	<i>Dioscorea deltoidea</i>	Singli Mingli/Kins	Roots	110/-	9900/-
26	<i>Emblica officinalis</i> = <i>phyllanthus emblica</i>	Amla	Fruits	110/-	550/-
27	<i>Girardiana diversifolia</i> = <i>G. heterophylla</i>	Bichhu Buti	Roots	110/-	2200/-
28	<i>Hedychium acuminatum</i>	Kapur kachri/kachur/van Haldi	Roots	110/-	1320/-
29	<i>Heracleum spp</i> (H. candicans; H. lanatum)	Patishan/Patrala	Roots	110/-	660/-
30	<i>Hissopus officinalis</i>	Juffa	Flowering Twigs	110/-	2400/-
31	<i>Hyocymus niger</i>	Khurasani Ajwain	Seeds/leaves	110/-	2200/-
32	<i>Hypericum patulum</i> /H. perforatum	Khaarera/Basant	Wholw Plant	110/-	3300/-
33	<i>Iris germanica</i>	Safed Bach	Rhizomes	110/-	2200/-
34	<i>Juniperus communis</i>	Hauber	Berries	110/-	3000/-
35	<i>Juniperus</i>	Recurva	Bether Patta	110/-	1100/-
36	<i>Jurinea macrocephala</i> = <i>J. dolomoea</i>	Dhoop	Roots	110/-	6600/-
37	Lichens & Mosses	Chalora/Chharila/jhuka/mehndi/stone flower/moss ghas/Green Moss	Thallus	110/-	3000/-
38	Lichens & Mosses	Green moss ghas	Thallus	110/-	2970/-
39	<i>Mentha longifolia</i>	Jangli Pudina	Leaves	110/-	660/-
40	<i>Morchella esculenta</i>	Guchhi	Fruiting Body	110/-	121000/-
41	<i>Murraya Koenigii</i>	Mitthi Nim	Leaves	110/-	550/-
42	<i>Myrica esculenta</i>	Kaphal	Bark/Fruit	110/-	5500/-
43	<i>Nardostachys grandiflora</i>	Jatamansi	Root	110/-	11000/-
44	<i>Oroxylum Indicum</i>	Tatpatanga	Root Bark	110/-	1100
45	<i>Origanum vulgare</i>	Ban Tulsi	Leaves	110/-	1320/-
46	<i>Pinus roxburghii</i>	Pine Needles	Dry Needles	110/-	110/-
47	<i>Picrorhiza kurroa</i>	Karoo/Kutki	Rhizomes	110/-	16500/-
48	<i>Pistacia integerrima</i>	Kakarsingi	Leaf Galls	110/-	11000/-
49	<i>Podophyllum hexandrum</i> = <i>P. emodi</i>	Bankakri	Roots Fruits	110/-	5000/-
50	<i>Polygonatum spp.</i> (<i>P. vericellatum</i> ;	Salam Mishri/Meda/Maha Meda	Rhizomes	110/-	11000/-

	p.cirrhifolium; p. multiflorum)				
51	Potentilla nepalensis	Dori Ghas	Roots	110/-	1650/-
52	Prunus cerasoides	Pajja/Padam/Padma kasht	Wood	110/-	1200/-
53	Punica granatum	Daru/Anar	Fruits	110/-	1100/-
54	Pyrus pashia	Kainth	Fruits	110/-	550/-
55	Rauwolfia serpentine	Sarpagandha	Roots	110/-	5500/-
56	Rheum spp. (R. austral= R. emodi/R. speciforme)	Revandchini	Roots	110/-	2200/-
57	Rhododendrom anthopogon	Talis Patra	Leaves	110/-	1100/-
58	Rhododendron arboretum	Brash	Flowers	110/-	5000/-
59	Rhododendron capanulatum	Kashmiri Patta	Leaves	110/-	2000/-
60	Salvia moorcroftiana	Thuth	Roots	110/-	2000/-
61	Sapindus Mukorossi	Ritha	Fruits	110/-	2000/-
62	Saussurea costus=S.lappa	Kuth	Roots	110/-	4000/-
63	Selinum spp. (s. vaginatum/S.tenuifolium	Bhutkesi	Roots	110/-	4400/-
64	Swertia spp (S. chirayita; S. angustifolia; S. cordata, S. Ciliate	Chirata	Wholw Plant	110/-	8500/-
65	Terminalia chebula	Harar	Fruits	110/-	1100/-
66	Thymus serpyllum	Banajwain	Aerial Parts (Herb)	110/-	1100/-
67	Tinospora cordifolia	Giloe/Cuduchi	Stem	110/-	1100/-
68	Toona 57ompoun= Cedrela toona	Bari Phool	Dried fruits etc	110/-	660/-
69	Valeriana spp. (V. hardwickii/V. Jatamansi=V. wallichii)	Mushakbala/Tagar/Nihani/Nak h nihani	Roots.	110/-	6600/-
70	Viola spp. (V. pilosa; V.canescens; V. biflora; V.Kunawerensis	Banafsha	Flowers/Aerial Parts	110/-	24750/-
71	Withania Somnifera	Ashvagandha	Roots	110/-	2200/-
72	Woodfordia fruticosa	Dhatki/Dhai	Flowers	110/-	550/-
73	Zanthoxylum armatum	Tirmir	Fruits/Seeds	110/-	1100/-
74	Trillidium govanianum	Nag Chhatri	Roots/Rhizomes	--	--
75	Polystichum spp	Fern		110/-	1650/-
76	All Other NTFP not listed above			110/-	As per prevailing Market Rate or ther circle 57ompounding rate

However for valuable species of medicinal Herbs compensation and value of forest produce will be charged keeping in mind the royalty rate / export permit fee fixed by the Government. The items/medicinal herbs not covered under this order be referred to this office before compounding the offence alongwith your recommendation of rates and compensation to be charged keeping in view the market rate of such medicinal herbs.

12. Forest Offences in relation to breaking out of Fires in Forest/Govt. land:

Fire:-

1.	Fire by Mischief/ Negligence.	Not Compoundable, Case to register with Police.
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2.	Kindling of fire within one hundred meters from a forest without persimmon of the Divisional Forest Officer or his authorized representative.	Case to dealt with under the provision of I F A
3.	Collection and stacking of inflammable forest produce outside the boundary of forest at a place other than open spaces specified by DFO by general of specific order.	500/-Per m ³ .
4.	Lighting of private ghasnies/Pvt. Areas beyond 100 mtr. From forest area without adequate notice to Forest Range Officer	Rs. 500/- per Bigha of burnt area.

Note:- In case of non- co-operation in fire fighting and fire protection operations by any person will lead to suspension of all rights and concessions in the forests for five years and necessary action in this regard will be initiated by the concerned DFO.

13. Offence under Land Preservation Act, 1978

Sr. No.	Particulars	Compensation	Penalty /Price of Produce
1.	Unauthorized felling for bonafide domestic use of trees which involves not more than 3 conifer and 5 B.L. trees than the prescribed limit specified under LPA, 1978 and no element of trade is involved.	Rs. 1000/- Per tree	No value is charged for the release of property as per S. No. 2 (6) of Notification dated 05.05.2010.
2.	Uprooting of Khair Trees	Rs. 1000/- Per Stump,	1200/stump
3.	Late renewal of Registration of Pvt. Sale Forest Contractor	Rs. 1100/- Per Month	--

14.Misuse of TD Timber.

Sr. No.	Particulars	Compensation	Penalty
1.	If any right holder contravenes provision of rule except 3(ii) of TD Rules	Right suspended for next 20 years	Value of tree/s at Market Rate
2.	If any right holder contravenes provision of rule 3(ii) of TD Rules	Right permanently suspended.	Value of tree/s at Market Rate

15.Offence in respect of sale Depot/Saw mill/Furniture Units registered under HP (Sale of timber) Rule ,1969.

i)	No offence under this Act is compoundable, Every infringement of Rules made under this Act is to be Challenged in the Court of Law as per Section 3 (2) (f) read with Rule 14 of the HP (Sale of Timber) Rules 1969.		
i)	Late renewal of sawmill, furniture shop/ Depot & Joinery units & sale timber depot.	Rs. 1000/- Per Month upto Six Month only thereafter the registration will be cancelled as per HP River Rules,1971 and HP Sale of Timber Act,1968.	
ii)	Non-maintenances of Timber account in relevant register of sawmill, furniture shop & joinery units & sale timber depots on prescribed proforma.	4000/- Per breach. If it is found that offences committed for third time RFO should not compound such case.	

iii)	Detection of illicit timber in saw Mills.	Not to be compounded	
iv)	Unauthorized manufacture/Activity like sale of joinery items/timber by the owner of the non registered unit.	Rs. 11000/- in each case and seizure of timber.	
17. Rates for Release of various Tools, implements and Vehicles used in committing offence under compoundable offence category:			
S. No.	Particulars	Rates of release in Rs. /each.	
1.	C. C. Saw and frame Saw	600/-	
2.	Hand Saw	600/-	
3.	Axe	300/-	
4.	Drati	60/-	
5.	Power Chain Saw	1000/-	
6.	Jumper	100/-	
7.	Stone Hammer	150/-	
8.	Stone dresser	700/-	
9.	Pick Axe/Shawl	200/-	
10.	Torches	100/-	
11.	Donkey/Horse/Mule	1000/-	
12.	Camel	2500/-	
13.	Binoculars each	1000/-	
14.	Jeep/Maruti Van	10000/-	
15.	Gattu/Pickup utility vehicle (LMV)	10000/-	
16.	Gattu/Mazda/Tempoo/ (and MTVs)	15000/-	
17.	Trucks	25000/-	
18.	Scooter/Motor Cycle	7000/-	
19.	Cycle	500/-	
20.	Tractor	15000/-	
21.	JCB Bulldozer and other similar heavy machinery.	35000/-	
18.Miscellaneous Offences			
S. No.	Particulars	Compensation / (in Rs.)	Penalty /Value of Forest Produce (in Rs.)
1.	Dragging/rolling of timber per scant/sleeper/log.	45/- Each	55/mtr
2.	Uprooting of khair stump	1200/- per stump	1320/-
3	Nailing of Board on tree	500/- per board	500/- per tree
4	Digging in the root zone tree	1200/- per tree	5000/-per tree
5	Putting stay wire/B.wire around tree	220/-per tree	330/-per tree
6	Setting up of unauthorized Charcoal Bhatti in Pvt. Land for bonafide domestic use	Such type of cases may not be compounded and be prosecuted or FIR under the provisions of relevant rules/law lodged with Police.	
7	Running of unauthorized katha Bhatti in Pvt. Land		
8	Setting up of illicit liquor/Bhatties	-do-	
9	Anchoring of stay wire on trees	500/- per case.	
10	Anchoring of sign Board and other hoardings on trees/forest land.	Rs 500/- per board up to 3 x 3 feet size and addition of Rs.200 for increase of every sq. foot beyond that.	

The ex-gratia rates as notified by HP Forest Department are given below.

Sr. No.	Particular	Enhanced Rate (in Rs.)
1	In case of death of human being	4,00,000/-
2	In case of permanent disability to human being	2,00,000/-
3	In Case of grievous injuries/ Partial disability to human being	75,000/-
4	In case of simple injury to human being as per actual cost of medical treatment	15,000/-
5	In case of loss of Horse, Mule, Buffalo, Ox, Yak and Camel.	30,000/-
6	In case of loss of Cow Jersey and cross breed.	15,000/-
7	In case of loss of Cow (local breed), Donkey, Churu, Churi & Pashmina Goat.	6,000/-
8	In case of Loss of Sheep, Goat and pig	3,000/-
9	In case of loss of young ones of Buffalo, Cow Jersey and all other breeds, Mule, Yak, Horse, Camel, Churu, Churi, Donkey, Pashmina Goat, Sheep and Goat	1,500/-

Note:-

- i) The above compensation rates will come into force with immediate effect and shall remain operative till the same are further revised.
- ii) VAT/GST/Income Tax, as applicable, will be charged extra.
- iii) Any other offence not covered under above schedule of compensation rates shall be referred to the undersigned for approval before compounding.
- iv) Other regulation/instructions regarding cases not liable to be compounded, cases which can be compounded, cases in which double rates are to be realized, cases to be taken to courts/prosecuted and cases to be registered with police etc. as contained in H.P. Govt. Notification No.FFE-B-A(3)/2010 dated 5.5.2010, copy endorsed to all DFOs vide this office Endst. No. D-I-27/Notification/ 2068-72 dated 28-05-2010, shall be followed/ adhered to in letter and spirit by all concerned.

Appendix –V- Leases Contracts and Transfers

A) INFORMATION OF FCA CASES w.e.f. 1980 to up to 2022-23

Year	Name of Proposal	Date of final approval	Area in ha.	Nos. of trees allowed to be felled.	Nos. of trees actually felled.
1980 to 86-87	-Nil-	Nil	-Nil-	-Nil-	Nil
1987-88	Diversion of 4.4450 ha. Of Forest land for Construction of 220 KV line Khodri Majri.	F-B-232/86-FC dated 8/9/1987	4.4450 ha.	781	781
1987-88	Diversion of Forest land 5.30 ha. For construction 220KV lines Substation at Giri Nagar, Paonta Sahib.	F-8-2287/85-FC dt. 17.12.1987	5.30 ha		
1988-89	Diversion of 4.935 ha. For Constriction of Bathing Ghat Yamuna at Paonta	F-B- 113/87-FC dated 28/4/1988	4.935	-Nil-	Nil
1989-90	Construction of 132 KV Giri Nagar to Paonta Tr. Line	(Proposal No. FP/HP/TRA NS/519/1989) 08.05.1989	1.747	-Nil-	Nil-
1990 to 92-93	-Nil-	Nil	-Nil-	Nil	-Nil-
1993-94	i). 132 KV Transmission line from Girinagar to Solan (5 ha. Area of Paonta Sahib Divn. Total Forest land 44.820) ii) Mining lease in f/o Cement Copn. Of India	F-B-228/92-FC dated 20-21/5/93 (Proposal No. FP/HP/Min 370/1993) 28.07.1993	5 ha. 0.257	1772	1772

	for mining san, stone.				
1994-95 to 96-97	-Nil-	Nil	-Nil-	Nil	-Nil-
1997-98	Renewal of Mining lease in favour of CCI Rajban over 242.30	F-B-58/97-FC dated 29/1/98	172.3	-Nil-	Nil
1998-99	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
1999-00	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
2000-01	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
2001-02	C/O of Rajban Cement Factory for mining of sand stone	(Proposal No. FP/HP/Min 270/1999) 15.10.2001			
2002-03	i). Augmentation of water supply to Shivpur-Phoolpur-Bangran in favour of IPH department. ii). Augmentation of water supply to Paonta Sahib in favour of IPH department.	F-9-992-2000-ROC/755 dt. 07.04.02. F-9-1020/1008-ROC/755 dt. 16.07.02	0.035 ha 0.031 ha	-Nil- -Nil-	-Nil- -Nil-
2003-04	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
2004-05	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
2005-06	i). Diversion of 1.89 ha. Of forest land for the construction of Mehat-Gawana-Khali-Achhon road in favour of HPPWD. ii). Diversion of 4.49 ha. Of forest land for the construction of Rajban-	F-9 HPB 2346/2004-CHA/2883-85dt.02.06.2005. F-9 HPB 2326/204-CHA/363 dt.23.01.2006	1.89 ha 4.49 ha	82 nos. 461 nos.	82 nos. 461 nos.

	Malgi-Chachheti road in favour of HPPWD.				
2006-07	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
2007-08	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
2008-09	Diversion of 0.0777 ha. Of forest land in favour of M/s Kiltich Drug of India Pvt. Ltd. For the construction of access road from State Highway	F.9-HPB-222/2008/7194 dt. 29.08.2008	0.0777 ha.	4 nos.	4 nos.
2009-10	Division of 2.10 ha. Of forest land for one construction of 220 KV D/C Transmission Girinagar of Rampur Bharapur in favour of HPSEB.	F.9-HPB-357/2009-CHA/5724 dt. 20.10.2009.	2.10 ha	48 nos.	48 nos.
2010-11	Diversion of 732.78 ha. Forest land to DRDO (Ministry of Defence)	F.No. 8-85/2009-FC dt. 31.12.2010.	732.78 ha	-Nil-	-Nil-
2011-12	Division of 1.33 ha. Forest land in favour of HPPWD for construction of Rajpour-Kandela-Adwar Road.	F.No: 9-HPB 787/2007-CHA/3543, dt. 31.08.2010	1.33 ha.	303 nos.	303 nos.
2011-12	Division of 0.301 ha. Of forest land in favour of HPPWD for the construction of link read to vill. Nabra.	F. No. 9-HPB/ 195/2010-CHA /507 dt. 18.01.2011	0.301 ha	28 nos.	28 nos.

	Division of 0.54 ha. Of forest land in favour of HPPWD for the construction of link read to vill. Pudli.	F. No. 9-HPB/ 195/2010-CHA/512 dt. 18.01.2011.	0.54 ha	129 nos.	129 nos.
	Division of 0.69 ha. Of forest land in favour of HPPWD for the construction of link read to vill. Bakahan.	F. No. 9-HPB/ 195/2010-CHA/1432 dt. 25.02.2011	0.69 ha	139 nos.	139 nos.
	Division of 0.39 ha. Of forest land in favour of HPPWD for the construction of link read to vill. Rangar Basti.	F. No. 9-HPB/ 195/2010-CHA/473 dt. 17.01.2011.	0.39 ha.	-Nil-	-Nil-
	Division of 0.105 ha. Of forest land in favour of HPPWD for the construction of link read to vill. Khaina.	F. No. 9-HPB/ 195/2010-CHA/517 dt. 11.01.2011.	0.105 ha	-Nil-	-Nil-
2013-14	-Nil-	-Nil-	-Nil-	-Nil-	-Nil-
2014-15	Fandi-Bodiwala to Birla Gatu road. (3.105 Km.) 1.86 ha. Of forest land (1.80 ha Paonta Forest Divn. + 0.063 ha. NahanForest Divn.)	F. No. 9-HPB/ 653/2010-CHA/139 dt. 26.09.14 & HP Govt. Order No. F.No.FFE-B-F(2) -3/2014 dt. 25.10.2014	1.80 ha	62 Nos.	62 Nos.
2015-16	--	--	--	--	--
2016-17	--	--	--	--	--
2017-18	--	--	--	--	--
2018-19	--	--	--	--	--
2019-20	--	--	--	--	--
2020-21	Diversion of 22.419 ha of forest land in favor of HPPWD NH	Letter no. 8B/H.P/06/24/2020/F.C	22.419 ha.	741 Nos.	741 Nos.

	Division Nahan, for Rehabilitation and upgradation of NH 72B (New No 707) to 2 lane with paved shoulder configuration & strengthening from km 0/0 (Paonta) 17/220 (Satuan).				
2021-22	Diversion of 4.146 ha of forest land in favour of HPPWD for construction of Rajpur to Kulthina road (kms 0/00 to 6/500), with the jurisdiction of Paonta Forest Division.	Letter no. 8B/H.P/06/102/2017/F.C	4.146 ha	46 Nos.	46 Nos.
	Diversion of 4.5 ha of forest land in favour of HPPWD for the construction of link road to village Madhana to Fandi Bodiwala via Janglot (kms 8/200 to 15/700), with the jurisdiction of Paonta Forest Division.	Letter no. 8B/H.P/06/110/2020 19/F.C	4.5 ha	856 Nos.	856 Nos.
2022-23	Proposal for seeking prior approval of the Central Government under Forest (Construction) Act, 1980 for non-forestry use of 54.668	Government of India Ministry of Environment, Forest and Climate Change (Forest Conservation Division) on dated 29/11/2022.	54.668 ha	--	--

	ha. Of forest land for extraction of sand, stone and bajri from bed of river Yamuna mining Project by Randeep Singh, Mauza and Mohal Bhagani in Paonta Forest Division.				
			1026.2767 Hac		5452 trees

b). Information of Approved FRA cases:								
Sr. No	CASE NO.	RANGE	Detail of Forest Area of land to be diverted / Khasra no. etc.	Area in Hact.	Name of User Agency	Purpose of Land Diversion	Approved Vide No.	No. of trees
1	2016-17	Majra	Majra Block R.F Sainwala C-2 sainwala Beat	0.010	I.P.H	RCC-OHSR-water tank	3007 dt. 30/08/2016 P.No.2	---
2	2016/17	Girinagar	Kansar Block R.F Kansar C-2,3,4 Kando Bharog C-2 & 5 , R.F Kando Baila C-4	0.226	I.P.H	Augment of WSS	3404 dt. 20/09/2016	---
3	2016-17	Majra	Behral Block R.F Kothewali C-4 , R.F Ghuttanpur C-4 & R.F Patlion C-2	0.8490	H.P.P.W.D Dept.	Link road from Kothewali to Patlion , Ghuttanpur	3853 dt. 12/10/2016	---
4.	2016-17	Majra	Behral Block R.F Kothewali C-6	0.48	H.P.P.W.D Dept.	Link road from Bangala Basti To R.F Kothewali	3889 dt. 19/10/2016	---
5.	2016-17	Girinagar	Kansar Block R.F Barthal C-3	0.9502	Govt. Sr. Sec. School Birla	Const. Of school Building	4930 dt. 15/12/2016	---
6.	2016-17	Poanta Sahib	Paonta Block R.F Kukron C-10	0.0405	Govt. Primary School Jamukhal	Const. Of school Building	5306 dt. 07/01/2017	---
7.	2017-18	Paonta	Chhacheti Block R.F Sarah C-9	0.021	B.D.O Paonta	Land for Primary School	865 dt 3/06/2017	---
			Chhacheti Block R.F Sarah C-9	0.0421	B.D.O Paonta	Anganwari Bhawan	-do-	---
8.	2017-18	Paonta	Chhacheti Block R.F Sarah C-7	0.162	B.D.O Paonta	Community Bhavan	868 dt. 3/06/2017	---
			-do-	0.144	-do-	Link road upper Salag-sabi	-do-	---

			-do-	0.0696	-do-	Link Road G.M.S Salag	-do-	--
9.	2017-18	Paonta	Gorakhpur Block RF Malgi C6 & 7	0.300	B.D.O Paonta	Link road to SC Basti (Nichle)	1122 dt 21/06/2017	--
10.	2017-18	Paonta	Gorakhpur Block RF Malgi C12	0.063	-do-	Link road to SC Basti (Upper)	1125 dt 21/06/2017	2 trees
11.	2017-18	Paonta	Chhacheti Block R.F Chhacheti C-5,6	0.480	-do-	Link Road to Kandon to Meshal	922 dt. 8/06/2017	--
12.	2017-18	Paonta	Gorakhpur Block R.F Rajban C-4	0.865	H.P.P.W.D Dept	Link Road Lai Devi to Giri Basti	1004 dt. 16/06/2017	--
13.	2017-18	Paonta	Chhacheti Block RF Sarah C-2,3,9	0.978	-do-	Link road hill top to Kandon to Sarah	1007 dt. 16/06/2017	11 trees
14.	2017-18	Paonta	Poanta Sahib Sahib Block RF Jamukhala C-2 ,RF Jamotwa C-9	0.882	H.P.P.W.D Dept	Link road to harijan basti Lal Tappar	10101dt. 16/06/2017	17 trees
15.	2017-18	Paonta	Chhacheti Block RF Chhacheti RF Malgi C-1 , RF Sarah C-7 , RF Sarah C-8	0.9	H.P.P.W.D Dept	Link road to Malgi to Dadhyat	1013 dt. 16/06/2017	33 trees
16.	2017-18	Paonta	Chhacheti Block RF Malgi C-6,7	0.300	B.D.O Paonta	Link road to SC Basti Nichli	1122 Dt. 21/06/2017	--
17.	/2017-18	Paonta	Chhacheti Block RF Malgi C-12	0.063	-do-	Link Road to Upper Sc Basti	1125 Dt. 21/06/2017	2 trees
18.	2017-18	Bhagani	Majri Block RF Majri C6	0.924	H.P.P.W.D Dept Shillai	Link road Dev Ka mood to Bhobhri Khodri	1142 Dt. 29/08/2017	48 trees
19.	2017-18	Girinagar	Kansar Block RF Kando Bharog C-2	0.90	H.P.P.W.D Dept Paonta	Link Road Kujjewala to Thakkar	2626 dt. 7/10/2017	---
20.	2017-18	Girinagar	Kansar Block RF Samon Kanon C6	0.024	B.D.O Paonta	Link Road from main ropad to Jamta / Rajban ti village Kelewala	2853 dt. 26/10/2017	--

21.	2017-18	Paonta	Paonta block Rf Jamukhala C2	0.145	-do-	NH 73 A Harijan Basti To Nihalgarh Hariajan Basti II Niahalgarh Baati Baasti Harijan Basti Jawalpur	2707dt 13/10/2017	--
22.	2017-18	Girinagar	Kansar Block RF Kansar C2	0.42	H.P.P.W.D Dept Paonta	Link road village Dhand	2214 dt. 4/09/2017	---
23.	2017-18	Majra	Behral Block RF kothewali C3,4 &10	0.075	Electricity Board	Extension of Electricity poles NH 73A to Kothewali	2425 dt. 19/09/2017	--
24.	2017-18	Bhagani	Rajpur Block RF Kandhela C7	0.738	B.D.O Paonta	Link Road From Kheel Senaw to Kerana Johri Bas	2506dt. 22/09/2017	--
25.	2017-18	Girinagar	Kansar Block RF Kando Baila C1	0.58	H.P.P.W.D Dept Paonta	Link road from Village Kyalana Bhatna	5044 dt. 27/02/2018	33 trees
26.	2017-18	Girinagar	Chandpur Block RF Mehrar C15-16 RF Parduni C12	0.10	I.P.H Paonta	Permission to link Pipe line For Parduni II to Provide Irrigation Facility	5047 dt. 27/02/2018	--
27.	2017-18	Girinagar	Girinagar block RF Khararau C9	0.05	B.D.O Paonta	Other Minor Water Bodies Work Village To Bharapur Ward No. 1	5381dt 21/03/2018	--
28.	2017-18	Paonta	Chhacheti Block RF Chhacheti C-11	0.55	Govt. Sr Sec. School Chhacheti	Const. of school Playground	5482dt 26/03/2018	---
29.	2018-19	Girinagar	Chandpur Block RF Mehrar C16 , 17 Parduni C14	0.96	H.P.P.W.D Dept Paonta	Link road Jamniwala to Khaddar Bodwara	5951 dt 17/05/2018	15 trees
30.	2018-19	Bhagani	Rajpur Block RF Dhanda C 11 & 12	0.36	B.D.O Paonta	Link Road from SC Basti Dandiwala to house of Rangil Lal Sharma ward no. 5	3523 dt 29/09/2018	--

31.	2018-19	Bhagani	Rajpur Block RF Dhanda C 18 & 12	0.234	B.D.O Paonta	Link road from Pagar to SC Basti Dandiwala	3526 dt 29/09/2018	--
32.	2018-19	Paonta	Chhacheti Block RF Sarah C2 , 3 & 9	0.978	BD.O Paonta	Link road Kando to Pwd road Sarah	3980 dt 30.10.2018	--
33.	2018-19	Girinagar	Chandpur Block RF Beas C 2	0.96	H.P.P.W.D Dept Paonta	Link road to Bhoad Beas	7354 dt 16.01.2019	10 trees
34.	2018-19	Girinagar	Girinagar Block RF Janglot C 1 & Khararu C5	0.557	-do-	Link road to Nichla Bodiwala	8100 dt 20.02.2019	36 trees
35.	2020-21	Majra	Majra Block RF Banswali C1 & C2	0.39	H.P.P.W.D Dept Paonta	Link road NH 707 at Puruwala to Johron	7121 dt 31.03.2021	--
36.	2020-21	Majra	Majra Block RF Tokion C4 & C 5 RF Sainwala C1 & 2	0.84	H.P.P.W.D Dept Paonta	Link road Tokion to Harijan Basti NH 72 & Behramatpur Salamatpur GP Sainwala Mubarikpur to Jungle	7134 dt 31.03.2021	--
37.	2020-21	Majra	Majra block	0.96	H.P.P.W.D Dept Paonta	Link road from Dhaulakuan Bhati Basti to Gujjar Colony to Belwali Sudanwala Garhiwala	7137 dt 31.03.2021	--
38.	2021-22	Paonta	Paonta Block RF Jamu Khala C2	0.057	H.P.P.W.D Dept Paonta	Link Road from NH 707 to Data Ram house Nihalgarh	116 dt 08.04.2021	2 trees
39.	2021-22	Paonta	Paonta Block RF Mantaruwala C5	0.169	H.P.P.W.D Dept Paonta	Link road NH 707 to Lakkel Mandi to Chaudhary Basti Gondpur	103 dt 08.04.2021	7 trees
40.	2021-22	Paonta	Paonta Block RF Garibnath C2,3,4 & 5	0.942	H.P.P.W.D Dept Paonta	Link road Haripur Tohana to Mashuta	113 dt. 08.04.2021	9 trees

						Basti Garibnath Mandir Shivpur		
41.	2021-22	Paonta	Gorakhpur Block RF Gorakhpur C 15	0.42	H.P.P.W.D Dept Paonta	Link road from Shiv Mandir Nariwala GP Ajoli	527 dt 05.05.2021	4 trees
42.	2021-22	Paonta	Paonta Block RF Garibnath C11 & 12 Gorakhpur Block RF Rajban C 3	0.94	H.P.P.W.D Dept Paonta	Link Road from Adarsh colony Muglawala to Kartarpur Villgae	518 dt 05.05.2021	2 trees
43.	2021-22	Paonta	Gorakhpur Block RF Rajban C 2	0.425	H.P.P.W.D Dept Paonta	Link road from NH 707 Baliwala Village GP Muglawala Kartarpur	521 dt. 05.05.2021	4 trees
44.	2021-22	Paonta	Gorakhpur Block RF Gorakhpur C 10	0.060	H.P.P.W.D Dept Paonta	Link road NH 707 to Kishan kot to Jairi Ram Basti GP Ajoli	524 dt. 05.05.2021	--
45.	2021-22	Paonta Sahib	Paonta Block RF Mantaruwala C 1 to C4	0.9425	H.P.P.W.D Dept Paonta	Link road Gondpur to Behrewala Bhungarni along with left bank Giri Canal	530 dt 05.05.2021	8 trees
46.	2021-22	Paonta	Paonta Block RF Garibnath C 10	0.20	H.P.P.W.D Dept Paonta	Link road from Kartarpur to Penjala Basti village Kartarpur	533 dt 05.05.2021	2 trees
47.	2021-22	Bhagani	Bhagani block Rf dhandla c-8	0.80	H.P.P.W.D Dept Paonta	Link road to peer baba to balmiki basti village mehruwala bhuddi	30.06.2021	30 trees
48.	2021-22	Paonta	Khara block RF Lai c- 26,32	0.99	H.P.P.W.D Dept Paonta	Link road from GSSS toak to Laa Devi mandir via Abhi Basti	30.06.2021	36 trees
49.	2021-22	Paonta	Paonta Block RF Jamotwa C19	0.62	H.P.P.W.D Dept Paonta	Link road from main road to GPS Bainkuan Chaudhary Basti GP Jamninwala	30.06.2021	7 trees

50.	2021-22	Paonta	Khara Block RF Mankundion C19	0.96	H.P.P.W.D Dept Paonta	Link road from main road to Jabha Basti Tokka GP Kundion	30.06.2021	73 trees
51.	2021-22	Paonta	Khara Block RF Lai C33 , Mankundion C1	0.543	H.P.P.W.D Dept Paonta	Link road from main road to Jabha Basti Tokka GP Kundion	30.06.2021	26 trees
52.	2021-22	Bhagani	Rajpur Block RF danda C-14	0.255	H.P.P.W.D Dept Paonta	Link road from Gorkhuwala to Khorowala	30.06.2021	10 trees
53.	2021-22	Bhagani	Rajpur Block RF Giri C-1	0.3075	H.P.P.W.D Dept Paonta	Link road from MDR - 94 at RD 10/370 to Raisham Farm at Puruwala	30.06.2021	7 trees
54.	2021-22	Bhagani	Rajpur Block RF Giri C-3	0.17	H.P.P.W.D Dept Paonta	Link road from Raja Rasalu ki tibbi to Kabristan Manpur Devra	30.06.2021	---
55.	2021-22	Bhagani	Rajpur Block RF Rajpur C-1 , C-4	0.72	B.D.O Paonta	Const. Of approach road to village Shamyala	13.08.2021	---
56.	2021-22	Girinagar	Chandpur Block RF Chandpur C12 & 18	0.36	H.P.P.W.D Dept Paonta	Link Road Beas irrigation canal to Laa Devi mandir Vill. Chandpur in GP Beas	20.09.2021	----
57.	2021-22	Paonta	Khara Block RF Lai C28	0.1610	H.P.P.W.D Dept Paonta	Link Road From Khara Vill. To Manha Basti Tokka	06.10.2021	3 trees
58.	2021-22	Majra	Behral Block RF Surajpur C 1& 6	0.270	H.P.P.W.D Dept Paonta	Link road from Santosh Basti Bear to Surajpur	06.10.2021	2 trees
59.	2021-22	Majra	Behral Block RF Ambwali C4	0.30	H.P.P.W.D Dept Paonta	Link Road from Behral Barrier to Rajput Basti	08.10.2021	---

60.	2021-22	Paonta	Chhacheti Block RF Chhacheti C 5 to 8	0.5775	B.D.O Paonta	Link road from Main Road (Mehat Khali Achhon) to Vill. Kiari in GP Chhacheti	26.10.2021	---
61	2021-22	Paonta	Ghorakhpur Block RF Rajban C1	0.15	HP Education Dpt. Govt. Senior Sec. School Muglonwala	Const. of school building of GHS Muglonwala Kartarpur	31.01.2022	----
62	2021-22	Paonta	Paonta Block RF Mantaruwala C 2 to 4	0.975	HPPWD Paonta	Link road from Patwar Khanna to near Sh. Budh Singh ward No. 7 Taruwala to Behrewala	24.02.2022	8
63	2021-22	Bhagani	Majri Block RF Khojar C1 to C3	0.992	HPPWD Paonta	Link road from Dondli to Navdi Kerka	25.02.2022	45
64	2021-22	Bhagani	Rajpur Block RF Danda C20	0.125	IPH Paonta	Augmentation and improvement of WSS for rising main Puruwala	25.02.2022	---
65	2021-22	Bhagani	Majri Block RF Khojar C2	0.20	IPH Paonta	Augmentation and improvement of WSS for rising main Gojjar	25.02.2022	---
66	2021-22	Bhagani	Rajpur Block RF Giri C1	0.0375	IPH Paonta	Augmentation and improvement of WSS T/well in village Puruwala	25.02.2023	---
67	2021-22	Bhagani	Majri Block RF Khojar C3	0.986	HPPWD Paonta	Link road from MDR 94 at Adain to Gojjar via Village Dondli	25.02.2022	33
68	2021-22	Bhagani	Rajpur Block RF Giri C2	0.10	IPH Paonta	Augmentation and improvement of WSS from Puruwala to Salwala	25.02.2022	---

69	2021-22	Bhagani	Bhagani Block RF Dhandla C8	0.076	IPH Paonta	Augmentation and improvement of WSS water treatment plant at Mehruwala	25.02.2022	---
70	2021-22	Bhagani	Majri Block RF Khojar C3	0.104	IPH Paonta	Augmentation and improvement of WSS water treatment plant SSF and pump house at village Dondli	25.02.2022	----
71	2022-23	Bhagani	Rajpur Block RF Danda C17	0.786	HPPWD Shillai	Link road Tibetean Colony Gorkhuwala to Bhudiwala	30.05.2022	---
72	2022-23	Paonta	Paonta Block RF Mantaruwala C1 to C4	0.145	HPPWD Paonta	Link road from Gondpur to Behrewala Bhugarni	30.05.2022	---
73	2022-23	GiriNagar	Kansar Block RF Samon Kanon C 3	0.15	BDO Paonta	Link road from Kyar Samon to Samon GP Bharog Baneri	20.07.2022	---
74	2022-23	Girinagar	Kansar Block RF Kansar C3	0.35	BDO Paonta	Link road Jamta Rajban road to village Kando Basti	20.07.2022	---
75	2022-23	Paonta	Khara Block RF Mankundion C2	0.32	HPPWD Paonta	Link road from Kundion Randev and Jatt Basti	16.07.2022	10
76	2022-23	Girinagar	Kansar Block RF Samon Kanon C3	0.12	BDO Paonta	Link road from main road to SC Basti Rahan in GP Bharog Baneri	06.08.2022	---
77	2022-23	Bhagani	Rajpur Block RF Kandela C1	0.175	BDO Paonta	Approach road to village Kandela to Ambiwala GP Kandela	18.08.2022	---
78	2022-23	Majra/ Girinagar	Majra Block RF Sukhimelion C1/ Chandpur Block	0.59	HPPWD Paonta	Link road from IPH colony Majra to Sainwala to Tokion to	08.09.2022	17

			Mehrar C17 RF Parduni C15			Khairi to Gunglon in GP Sainwala		
79	2022-23	Bhagani	Rajpur Block RF Kandela C1 & 5	0.700	BDO Paonta	Approach road from main road PWD Rajpur to village Kandela in GP Kandela	26.09.2022	---
80	2022-23	Majra	Behral Block RF Ghuttanpur C-6& 7	0.407	Hppwd Paonta	Link road to Village Ghuttanpur in GP Patlion	13.10.2022	--
81	2022-23	Girinagar	Chandpur Block RF Beas C-1	0.10	BDO Paonta	Link road from main road to Shiv mandir ward no 6 in GP Beas	12.12.2022	--
82	2022-23	Paonta	Chhacheti Block RF Sarah c-8	0.0083	BDO Paonta	Const. of Community Centre	25.02.2023	--
83	2022-23	Bhagani	Rajpur Block RF Rajpur C 2	0.004	IPH Paonta	Shamiyala Khad to Bickoli via Pab Basti of GP Bharli Agron laying drinking water pipeline	27.03.2023	---
84	2022-23	Bhagani	Bhagani Block RF Dhandla C 2 & 11	0.008	BDO Paonta	Const. of Kacha Johad	27.03.2023	---
85	2022-23	Girinagar	Kansar Block RF Kansar C1	0.32	GSSS Principal Bharog Baneri	Const. of school building and play ground	27.03.2023	----
86	2022-23	Girinagar	Chandpur Block RF Parduni C14	0.006	IPH Paonta	Const. of Augmentation and improvement of LWSS water Parduni and const. of OHSR 45000 Ltr. Capacity	27.03.2023	----

Appendix VI- Buildings and Rest Houses

Buildings and rest houses

S. no.	Name of range	Name of block	Name of beat	Building/ rest house	Gps co-ordinates	Altitude (meter)	Suites/ rooms	Distance from road
1	Girinagar	Kansar	Kansar	B.O quarter	30° 33' 31" N 77° 28' 52" E	1090	3 room	Approx. 30 mtr.
2	Girinagar	Kansar	Kansar	Fire watch tower	30° 33' 31" N 77° 28' 52" E	1090	1 room	Approx. 30 mtr.
3	Girinagar	Kansar	Kansar	Seed store	30° 33' 31" N 77° 28' 54" E	1080	1 room	Approx. 20 mtr.
4	Girinagar	Kansar	Kansar	Forest Guard hut	30° 33' 31" N 77° 28' 53" E	1085	2 room	Approx. 20 mtr.
5	Girinagar	Kansar	Bharog Baneri	Forest Guard hut	30° 33' 32" N 77° 31' 04" E	950	2 Room	Approx. 20 mtr
6	Girinagar	Kansar	Bharog Baneri	Constructed under DFID project	30° 33' 32" N 77° 31' 04" E	950	2 room	Approx. 15 mtr.
7	Girinagar	Kansar	Kando Baila	Forest Guard hut	30° 33' 39.5" N 77° 27' 26.7" E	1160	2 room	Approx. 10 mtr.
8	Girinagar	Girinagar	Mehrar	Range Office & residence	30°31'47.58" N 77°29'25.72" E	506	4 office room 3 room residence	Approx. 15 mtr.
9	Girinagar	Girinagar	Mehrar	Forest Guard hut	30°31'48"N 77°29'26"E	506	2 room	Approx. 30 mtr
10	Girinagar	Girinagar	Majri	B.O quarter	30°31'34"N 77°28'69"E	496	3 room	Approx. 20 mtr
11	Girinagar	Girinagar	Dunga	Forest Guard hut	30°30'30"N 77°25'31"E	522	2 room	approx. 30 mtr
12	Girinagar	Chandpur	Parduni- I	Forest Guard hut	30°31'29"N 77°30'56"E	576	2 room	Appox 40 mtr.
13	Girinagar	Chandpur	Beas	Forest Guard hut	30°30'00"N 77°33'36"E	430	2 room	On road
14	Girinagar	Chandpur	Chandpur – I	B.O quarter	30°30'14"N 77°31'43"E	438	3 room	Approx 10 mtr.
15	Girinagar	Chandpur	Chandpur – I	Gang Hut	30°30'14"N 77°31'42"E	440	1 room	On road
16	Majra	Behral	Bata mandi	Forest Guard hut	30°25'32 "N 77°34'37"E	407	Two room	On road

17	Majra	Behral	Surajpur	Forest Guard hut	30°27'10 "N 77°34'08"E	418	Two room	On road
18	Majra	Behral	Behral	Forest Guard hut	30°24'05 "N 77°33'45 "E	409	Two room	On road
19	Majra	Behral	Behral	Forest Check post Behral	30°23'54 "N 77°33'42 "E	412	One room/ office	On road
20	Majra	Behral	Satiwala	Forest Guard hut	30°24'05 "N 77°33'45 "E	400	Two room	On road
21	Majra	Sunkron	Sunkron (m)	Forest Guard hut	30°24'17 "N 77°27'18 "E	405	Two room	On road
	Majra	Sunkron	Sunkron(m)	BO office Sunkron	30°24'17 "N 77°27'18 "E	405	3 room	On road
22	Majra	Sunkron	Sunkron(n)	Gang hut	30°25'44 "N 77°28'10 "E	442	1 room	Approx 600 mtr.
23	Majra	Gharatwali	Gharatwali (m)	Forest Guard hut	30°25'15 "N 77°27'28 "E	421	2 room	Approx 200 mtr
24	Majra	Majra	Sainwala	Forest Guard hut	30°29'27 "N 77°30'47 "E	455	Two room	On road
25	Majra	Majra	Sainwala	Mali hut	30°30'05 "N 77°30'36 "E	443	1 room	Approx 50 mtr.
26	Majra	Majra	Dholakuan	Forest Guard hut	30°30'06 "N 77°28'13 "E	471	Two room	On road
27	Majra	Majra	Majra	Forest Guard hut	30°29'29 "N 77°31'49 "E	438	2 room	On road
28	Majra	Majra	Majra	Range Office Majra	30°29'24 "N 77°31'51 "E	441	4 room office & 3 room residence	On road
29	Majra	Majra	Majra	Rest House Majra	30°29'29 "N 77°31'51 "E	436	2 set	Approx 20 mtr.
30	Majra	Majra	Majra	BO office Majra & residence	30°29'29 "N 77°31'49 "E	438	3 room	On road
31	Bhagani	Rajpur	Danda	Forest Guard hut	30°30'03 "N 77°41'49 "E	530	2 room	On road
32	Bhagani	Rajpur	Danda	BO Office Rajpur	30°30'03 "N 77°41'49 "E	530	3 room	On road
33	Bhagani	Rajpur	Rajpur	Inspection hut	30°32'33 "N 77°43'55 "E	952	2 room	On road
34	Bhagani	Rajpur	Salwala	Forest Guard hut	30°31'28 "N 77°40'29 "E	504	2 room	On road
35	Bhagani	Bhagani	Mehruwala	Range Office	30°29'11 "N 77°44'09 "E	450	8 rooms office and	On road

							residence	
36	Bhagani	Bhagani	Mehruwala	BO Office Bhagani	30°29'11 "N 77°44'09 "E	450	3 room	On road
37	Bhagani	Bhagani	Mehruwala	Rest House Bhagani	30°29'19 "N 77°44'21 "E	482	2 set	On road
38	Bhagani	Rajpur	Puruwala	Van Thana	30°29'58 "N 77°40'47 "E	464	9 room	On road
39	Bhagani	Majri	Majri	BO Office Majri	30°30'42 "N 77°48'31 "E	521	3 room	Approx 100 mtr
40	Bhagani	Majri	Majri	Forest Guard Hut	30°30'42 "N 77°48'31 "E	521	2 room	Approx 100 mtr.
41	Bhagani	Majri	Majri	Forest Check Post Majri	30°30'23 "N 77°47'43 "E	476	1 room	On road
42	Bhagani	Majri	Killour	Forest Guard Hut	30°32'33 "N 77°49'10 "E	537	2 room	On road
43	Paonta Sahib	Paonta Sahib	Gondpur	Forest Guard Hut Jamotwa	30°27'26 "N 77°36'43 "E	446	2 room	On road
44	Paonta Sahib	Paonta Sahib	Rampur	Forest Guard Hut	30°26'35 "N 77°38'37 "E	413	2 room	On road
45	Paonta Sahib	Paonta Sahib	Garibnath	Forest Guard Hut	30°26'35 "N 77°38'37 "E	413	2 room	On road
46	Paonta Sahib	Gorakhpur	Rajaban	Forest Guard Hut	30°26'35 "N 77°38'37 "E	413	2 room	On road
47	Paonta Sahib	Chhacheti	Gatu	Forest Guard Hut	30°26'35 "N 77°38'37 "E	413	2 room	On road
48	Paonta Sahib	Paonta Sahib	Gondpur	Forest Guard Hut Gondpur	30°27'26 "N 77°36'43 "E	446	2 room	On road
49	Paonta Sahib	Paonta Sahib	Gondpur	BO Office & Residence	30°27'26 "N 77°36'43 "E	446	3 room	On road
50	Paonta Sahib	Khara	Toka	Forest Guard Hut	30°29'14 "N 77°34'55 "E	436	2 room	On road
51	Paonta Sahib	Paonta Sahib	Jamniwala	Forest Rest House khara	30°28'62 "N 77°32'60 "E	425	2 set	On road
52.	Paonta Sahib	Paonta Sahib	Jamniwala	BO Office & Residence khara	30°28'62 "N 77°32'60 "E	430	3 room	On road
53	Paonta Sahib	Khara	Lai	Forest Guard Hut	30°30'09 "N 77°34'56 "E	472	2 room	On road
54	Paonta Sahib	Chhacheti	Sarah	BO Office & Residence Chhacheti	30°33'46 "N 77°37'25 "E	545	3 room	100 m approx
55	Paonta Sahib	Chhacheti	Sarah	Seed store	30°33'47 "N 77°37'25 "E	543	1 room	50 m approx

56	Paonta Sahib	Paonta Sahib	Gondpur	Forest Rest House Mantaruwala	30°27'21 "N 77°36'30 "E	443	3 set	On road
57	Paonta Sahib	Paonta Sahib	Gondpur	Division Forest Office	30°27'19 "N 77°36'35 "E	444	9 room	On road
58	Paonta Sahib	Paonta Sahib	Gondpur	DFO residence	30°27'20 "N 77°36'35 "E	449	4 room	On road
59	Paonta Sahib	Paonta Sahib	Gondpur	ACF residence	30°27'20 "N 77°36'35 "E	449	4 room	On road
60	Paonta Sahib	Paonta Sahib	Gondpur	Forest colony	30°27'19 "N 77°36'35 "E	444	17 set	On road
61	Paonta Sahib	Paonta Sahib	Gondpur	Range office Paonta Sahib	30°27'28 "N 77°36'43 "E	446	3 room	On road
62	Paonta Sahib	Paonta Sahib	Rampur	Forest Check Post Gobindghat	30°26'07 "N 77°37'33 "E	419	1 room	On road

Appendix –VII – List of Divisional Forest Officers

DIVISIONAL FOREST OFFICERS SERVED IN PAONTA SAHIB FOREST DIVISION

S.No.	Name of DFO	Served From	Served To
1	Sh. V. M. Mohan IFS	01.04.1984	03.07.1985
2	Sh. Sham Lal Sharma IFS	03.07.1985	24.05.1986
3	Sh. Kunwar Hoshier Singh IFS	24.05.1986	27.10.1991
4	Sh. Ramesh C. Kang IFS	28.10.1991	15.07.1994
5	Sh. Ajay Kumar IFS	16.07.1994	17.04.1997
6	Sh. A.R.M Reddy IFS	17.04.1997	07.08.2000
7	Sh. Balbir Singh IFS	07.08.2000	11.09.2000
8	Sh. P.L. Chauhan IFS	11.09.2000	11.07.2001
9	Sh. Anil Thakur IFS	26.07.2001	26.11.2001
10	Sh. C.B. Pandey IFS	26.11.2001	03.02.2004
11	Sh. Pushpendra Rana IFS	03.02.2004	02.04.2007
12	Sh. Sushil Kumar IFS	02.04.2007	20.05.2010
13	Sh. D.D. Aggarwal HPFS	20.05.2010	23.07.2010
14	Sh. K. Thirumal IFS	23.07.2010	11.09.2011
15	Sh. Ajay Kumar HPFS	28.09.2011	31.03.2013
16	Sh R.K.Puri HPFS	01.04.2013	30.04.2014
17	Sh. Nishant Mandhotra IFS	01.05.2014	17.06.2015
18	Sh S.S. Rana HPFS	18.06.2015	02.08.2018
19	Sh. Kunal Angrish IFS	02.08.2018	15.02.2023
20	Sh Aishwarya Raj IFS	15.02.2023	Present

Appendix VIII- List of JFMs

Sr. No.	Status of JFMCs in respect of Paonta Forest Division					
	Name of JFMC	Name of Range	Date of Registration of JFMC	Registered under Society Act or with CF	Forest Cover, type (in % age) under JFMC	Functional or Not.
1	Van Sarankshan Samiti, Ram Nagar	Bhagani	2008-09	Society Act	Bhagani Beat	Active
3	Mahila Van avam Paryavaran Surksha Samiti, Amboya.	Bhagani	2008-09	Society Act	Amobya Beat	Active
4	Van Vikas Avam Sarnkshan Samiti, Khodowala.	Bhagani	2008-09	Society Act	Khodowala	Active
5	Sayed Peer avam vikash Samiti, Gorkhuwala	Bhagani	2008-09	Society Act	Gorkhuwala	Active
6	Van Samrat Vikash Samiti, Gorkhuwala.	Bhagani	2008-09	Society Act	Gorkhuwala	Active
7	Baba Balanath Vikas Samiti Khodowala.	Bhagani	2009-10	Society Act	Khodowala	Active
8	Nagdevta Van Vikas Samiti	Bhagani	2009-10	Society Act	Puruwala	Active
9	Jai Santoshi Maa an Samiti, Pager Tuniwala.	Bhagani	2009-10	Society Act	-Nil_	In-active
10	Guru Van Vikas Samiti, Khorowala	Bhagani	2009-10	Society Act	Khoronwala	Active
11	Gram Van Vikas avam Sarnkshan Samiti, Dandiwala	Bhagani	2008-09	Society Act	Dandiwala	In-active
12	Van Vikas Samiti, Gojjar	Bhagani	2008-09	Society Act	Gojjar	In-active
13	Gramin Harit Vikas Samiti Killour.	Bhagani	2008-09	Society Act	Killour	Active
14	Paryavaran Suraksha Pilhori.	Majra	2008-09	Society Act	Pilhori	Active
15	Van Vikas Samiti Pilhori.	Majra	2008-09	Society Act	Pilhori	Active
16	Shiv Vikas Samiti Kumbhigarh	Paonta	2008-09	Society Act	Kumbhigarh	In-active
17	Van Vikas Samiti, Malgi.	Paonta	2009-10	Society Act	Malgi	Active

18	Mahila Mandal Dadwa Kailla	Paonta	2009-10	Society Act	Dedwa Kailla	In-active
19	Van Vikas Samiti Dhigali.	Bhagani	2008-09	Society Act	Dhigali	Active
20	Van Vikas Samiti Kansar	Girinagar	2009-10	Society Act	Kansar	Active
21	Van Sangini Mahila Mandal Bharog Baneri.	Girinagar	2009-10	Society Act	Bharog Baneri	Active
22	Van Vikas Samiti Purli	Girinagar	2009-10	Society Act	Purli	In-active
23	Van Vikas Samiti Majra	Majra	2010-11	Society Act	Majra	In-active
24	Shiva Van Vikas Samiti Sirimouri Tal	Paonta	2011-12	Society Act	Sirmouri Tal	Active
25	Shri Radhe Krishan, Van Vikas Samiti, Ambiwala.	Bhagani	2016-17	Society Act	Ambiwala	Active
26	Baba Balaknath Van Vikas Samiti, Danda	Bhagani	2008-09	Society Act	Khorowala	Active
27	Forest Development Committee, Dhoulakuan	Majra	2019-20	Society Act	Dhoulakuan	Active
28	Van Vikas Samiti, Kansar	Girinagar	2022-23	Society Act	Kansar	Active

Appendix –IX: - List of Fire incidences

Fire Data for the year 2012-13 in respect of Paonta Forest Division										
Sr. No	Name of Range	Name of Block	Name of Beat	Name of RF	Total Area Affected	Natural /Regeneration Area	Plantation Area	Other Area	Estimated Loss	Total Area
1	Paonta Sahib	Gorakhpur	Kukron	Kukron C1&2=4 ha	4 ha	--	--	4 ha	--	4 ha
2	-do-	Paonta Sahib	Garibnath	Garibnath C-18	3 ha	--	--	3 ha	--	3 ha
3	-do-	Paonta Sahib	Garibnath	Garibnath C6,7&8=17 ha	17 ha	--	--	17 ha	--	17 ha
4	-do-	Gorakhpur	Kukron	Kukron C14&15 ha=5 ha	5 ha	--	--	5 ha	--	5 ha
5	-do-	Khara	Lai, Khara, Jhara	Lai C10, Khara C13,17, Jhara C11,18=22.5 ha	22.5 ha	--	--	22.5 ha	--	22.5 ha
6	-do-	Khara	Jhara	Jhara C6&9=4ha	4ha	--	--	4ha	--	4ha
7	-do-	Jhara	Jhara	Jhara C11,C8=	3.5 ha	--	--	3.5 ha	--	3.5 ha
8	-do-	Paonta Sahib	Kunkron	Kunkron C14=4 ha	4 ha	--	--	4 ha	--	4 ha
9	-do-	Paonta Sahib	Chachheti	Chachheti C14, 15=8 ha	8 ha	--	--	8 ha	5000/-	8 ha
10	-do-	Paonta Sahib	Gondpur	Jambukhala C2=0.5	0.5 ha	--	0.5 ha	--	4,270/-	0.5 ha.
Paonta Sahib Range Total:-					71.5 ha	--	0.5 ha.	71 ha	9,270/-	71.5 ha
1	Majra	Gharatwali	Gharatwali	Gharatwali C10=22.5 ha	22.5 ha	--	22.5 ha	--	85000/-	22.5 ha.
Majra Range Total					22.5 ha	--	22.5 ha	--	85000/-	22.5 ha
1	Giri Nagar	Chandpur	Parduni	Parduni C15=2 ha	2 ha	--	--	2 ha	--	2 ha.
2	-do-	Chandpur	Mehrar	Mehrar C16=2 ha	2 ha	--	--	2 ha	--	2 ha
3	-do-	Kansar	Kando Kansar	Kansar C5=15 ha	15 ha	--	--	15 ha	--	15 ha
4	-do-	Kansar	Bharog Baneri	Kando Bharog C5=10 ha	10 ha	--	5 ha	5 ha	25000/-	10 ha

5	-do-	Kansar	Kando Baila	Kando Baila C5=25 ha	25 ha	--	--	25 ha	--	25 ha
6	-do-	Kansar	Bharog Baneri	Kando Bharog C5=15 ha	15 ha	--	15 ha	--	61,800/-	15 ha
7	-do-	Kansar	Kando Baila	Kando Baila C3=5ha	5 ha	--	--	5ha	--	5 ha
Giri Nagar Range Total:-					74 ha		20 ha	54 ha	86800/-	74 ha.
1	Bhagani	Rajpur	Salwala	Kandhela C1=3 ha	3 ha	--	--	3 ha	--	3 ha
2	-do-	Rajpur	Amboya	Danda Amboya C5=1 ha	1 ha	--	--	1 ha	--	1 ha
3	-do-	Rajpur	Salwala	Kandhela C8&9 =15 ha	15 ha	--	--	15 ha	--	15 ha
4	-do-	Rajpur	Amboya	Amboya C8&4=6.5 ha	6.5 ha	--	5 ha	1.5 ha	45000/-	6.5 ha
5	-do-	Rajpur	Salwala	Kandhela C8,7,9	12 ha	--	7 ha	5 ha	80,000/-	12 ha.
6	-do-	Rajpur	Amboya	Amboya C8&4=5 ha	5 ha	--	5 ha	--	34000/-	5 ha.
7	-do-	Rajpur	Salwala	Kandhela C3=2 ha	2 ha	--	--	2 ha	--	2 ha
Bhagani Range Total:-					44.5 ha.	--	17 ha	27.5 ha	--	44.5 ha.
Grand Total:- 25 Nos of Case.					212.5 ha	--	60 ha	152.5	3,40,070	212.5 ha
Fire Data for the year 2013-14 in respect of Paonta Forest Division.										
1	Paonta Sahib	Gorakhpur	Rajban	Rajban C4=5.5 ha	5.5 ha	--	4 ha	1.5 ha	10,000/-	5.5 ha
2	Bhagani	Majri	Majri	Majri C1=1 ha, C2=3 ha	4 ha	--	--	4 ha	--	4 ha
Grand Total:- 2 Nos of Case					9.5 ha	--	4 ha	5.5	10,000/-	9.5 ha.
Fire Data for the year 2014-15 in respect of Paonta Forest Division.										
1	Majra	Sunkron	Sunkron	Sunkron C6=11 ha, C3=2 ha	13 ha	--	6 ha	7 ha	9000/-	13 ha
2	-do-	Ghratwali	Ghratwali	Ghratwali C1=8 ha	8 ha	--	8 ha	--	9500/-	8 ha
Grand Total:- 2 Nos of Case					21 ha	--	14 ha	7 ha	18500/-	21 ha.

Fire Data for the year 2015-16 in respect of Paonta Forest Division.										
1	Paonta Sahib	Paonta Sahib	Garibnath	Garibnath C16=0.5 ha	0.5 ha	0.5 ha	--	--	--	0.5 ha
2	-do-	Gorakhpur	Gorakhpur	Gorakhpur C6=3.5 ha	3.5 ha	3.5 ha	--	--	--	3.5 ha
3	-do-	Paonta Sahib	Jamotwa	Jamotwa C7=2 ha, C8=2 ha	4 ha	4 ha	--	--	--	4 ha
4	-do-	Paonta Sahib	Rampurbeli	Rampurbeli C2=1 ha	1 ha	--	1 ha	--	13,750/-	1 ha
5	-do-	Paonta Sahib	Jamotwa	Jamotwa C12=3 ha	3 ha	3 ha	--	--	--	3 ha
6	-do-	Gorakhpur	Gorakhpur	Gorakhpur C9=2 ha	2 ha	2 ha	--	--	--	2 ha
7	-do-	Paonta Sahib	Gondpur	Mantaruwala C5=1.5	1.5	1.5 ha	--	--	--	1.5 ha
8	-do-	Chachheti	Malgi	Malgi C27=3 ha	3 ha	3 ha	--	--	--	3 ha
9	-do-	Khara	Khara	Khara C17=3ha	3 ha	3 ha	--	--	--	3 ha
10	-do-	Paonta Sahib	Garibnath	Garibnath C8&9=5 ha	5 ha	5 ha	--	--	--	5 ha
Paonta Sahib Range Total :-					26.5 ha	25.5 ha	1ha	--	13,750/-	26.5 ha
1	Bhagani	Rajpur	Amboya	Amboya C4=5 ha, C10=20 ha	25ha	5 ha	20 ha	--	3,70,000/-	25ha
2	-do-	Majri	Gojjar	Gojjar C9=8 ha, C10=8 ha	16 ha	16 ha	--	--	--	16 ha
3	-do-	Bhagani	Bhagani	Yamnua C2=4 ha	4 ha	4 ha	--	--	--	4 ha
Bhagani Range Total					45 ha	25 ha	20 ha	--	3,70,000/-	45 ha
Grand Total:- 13 Nos of Case.					71 ha	50.5 ha	21 ha	--	3,83,750/-	71 ha
Fire Data for the year 2016-17 in respect of Paonta Forest Division.										
1.	Paonta Sahib	Paonta Sahib	Jamotwa	Jamotwa C4=1 ha., C1=1 ha, C3=2ha.	4 ha.	4 ha	--	--	--	4 ha.

2	-do-	Khara	Lai	Lai C14=3 ha, C18=2ha	5 ha	5 ha	--	--	--	5 ha.
3	-do-	Gorakhpur	Gorakhpur	Gorakhpur C9=2 ha, C14= 4 ha, C11=1.5 ha, C12= 1ha	8.5 ha	8.5 ha	--	--	--	8.5 ha.
4	-do-	Khara	Lai	Lai C13=4ha, C10=3 ha, C11=2 ha, C14=1ha	10 ha	10 ha	--	--	--	10 ha.
5	-do-	Paonta Sahib	Jamotwa	Jamotwa C12 9ha, C11=10 ha, C13=10 ha, C10=11 ha	40 ha	40 ha	--	--	--	40 ha.
6	-do-	Paonta Sahib	Jamniwala	Jamniwala C9=10 ha	10 ha	10 ha	--	--	--	10 ha.
7	-do-	Paonta Sahib	Jamotwa	Jamotwa C14=5 ha, C15=10 ha, C16=8ha	23 ha	23 ha	--	--	--	23 ha.
8	-do-	Chachheti	Malgi	Malgi C24=5 ha, C25=7 ha, C27=4 ha	16 ha	16 ha	--	--	--	16 ha
9	-do-	Gorakhpur	Rajban	C5=6 ha, C6=5 ha, C7=3 ha	14 ha	14 ha	--	--	--	14 ha.
10	-do-	Khara	Khara	Khara C4=6ha	6 ha	6 ha	--	--	--	6 ha.
11	-do-	Chachheti	Sarah	Sarah C8=5ha	5 ha	5 ha	--	--	--	5 ha.
12	-do-	Khara	Khara	Khara C5=5ha, C6=7 ha	12 ha	12 ha	--	--	--	12 ha.
13	-do-	Chachheti	Sarah	Sarah C7=3 ha	3 ha	3 ha	--	--	--	3 ha.
14	-do-	Chachheti	Malgi	Malgi C4=3 ha, C3= 1ha, C28=1 ha	5 ha	5 ha	--	--	--	5ha.
15	-do-	Gorakhpur	Rajban	Rajban C4=6 ha	6 ha	6ha	--	--	--	6 ha.
16	-do-	Paonta Sahib	Jamotwa	Jamotwa C18=10ha	10 ha	10 ha	--	--	--	10 ha.
17	-do-	Chachheti	Malgi	Malgi C27=8 ha	8 ha	8 ha	--	--	--	8 ha.
18	-do-	Khara	Lai	Lai C12=5 ha	5 ha	5 ha	--	--	--	5 ha.

19	-do-	Khara	Lai	Lai C9=5 ha	5 ha	5 ha	--	--	--	5 ha.
20	-do-	Khara	Khara	Khara C13=5 ha, C7=3 ha	8 ha	8 ha	--	--	--	8 ha.
21	-do-	Khara	Lai	Lai C6=8 ha, C9=3ha	11ha	11ha	--	--	--	11ha.
22	-do-	Khara	Khara	Khara C11=4 ha, C12=6 ha	10ha	10ha	--	--	--	10 ha.
23	-do-	Paonta Sahib	Garibnath	Garibnath C7=1ha, C8=6ha	7ha	7ha	--	--	--	7 ha.
24	-do-	Chachheti	Sarah	Sarah C10=1.5 ha	1.5ha	1.5ha	--	--	--	1.5 ha.
25	-do-	Khara	Khara	Khara C15=15ha, C13=2ha	17 ha	17 ha	--	--	--	17 ha.
26	-do-	Khara	Lai	Lai C16=2 ha	2 ha	2 ha	--	--	--	2 ha.
27	-do-	Paonta Sahib	Garibnath	Garibnath C9=5 ha	5 ha	5 ha	--	--	--	5 ha.
28	-do-	Paonta Sahib	Jamotwa	Jamotwa C19=3 ha	3 ha	3 ha	--	--	--	3 ha.
Paonta Sahib Range Total					260 ha	260 ha	--	--	--	260 ha.
1	Majra	Majra	Bherawala	Behrawala C3=2 ha, C4=2.5	4.5 ha	4.5 ha	--	--	--	4.5 ha.
2	-do-	Majra	Sainwala	Sainwala C6=1 ha	1 ha	1 ha	--	--	--	1 ha
3	-do-	Behral	Surajpur	Katapathar C10=5 ha,C8=3 ha	8 ha	8 ha	--	--	--	8 ha.
4	-do-	Sunkron	Sunkron	Sunkron C16=4 ha	4 ha	4 ha	--	--	--	4 ha.
5	-do-	Majra	Majra	Badhighati C2&3=6	6 ha	2 ha	4 ha	--	45000/-	6 ha.
6	-do-	Majra	Majra	Badighati C4=3 ha.	3 ha	3ha	--	--	--	3ha.
7	-do-	Majra	Sainwala	Sainwala C4=4 ha	4 ha	4 ha	--	--	--	4 ha.
Majra Range Total					30.5 ha	26.5 ha	4 ha	--	45000/-	30.5 ha

1	Giri Nagar	Kansar	Kando Bharog, Bharog Baneri	Kando Bharog C1=1.5 ha, C2=1.5=3 ha Samon Kanon C6=2 ha	5 ha	5 ha	--	--	--	5 ha.
2	-do-	Chandpur	Parduni, Mehrar	Parduni C1=4 ha, MehrarC16=10 ha	14ha	14ha	--	--	--	14 ha.
3	-do-	Kansar	Bharog Baneri	Samon Kanon C2= 3 ha	3 ha	3 ha	--	--	--	3 ha.
4	-do-	Giri Nagar	Khararu	Khararu C 16=10 ha	10 ha	10 ha	--	--	--	10 ha.
5	-do-	Giri Nagar	Khararu	Khararu C11=0.5	0.5 ha	0.5 ha	--	--	--	0.5 ha.
Giri Nagar Range Total					32.5ha	32.5ha	--	--	--	32.5 ha.
1	Bhagani	Rajpur	Salwala	Kandhela C1=3 ha	3 ha	3ha	--	--	--	3 ha.
2	-do-	Bhagani	Dandhla	Dandhla C1=1ha	1 ha	1ha	--	--	--	1 ha
3	-do-	Bhagani	Killour	Badhana C1=3 ha C1=2ha	5ha	3ha	2ha	--	35000/-	5 ha
4	-do-	Majri	Gojjar	Khojjar C3=0.50 ha	0.50 ha	0.50ha	--	--	--	0.50 ha.
5	-do-	Bhagani	Bhagani	Yamuna C2=0.50 ha	0.50 ha	0.50 ha	--	--	--	0.50 ha.
6	-do-	Majri	Gojjar	Khojjar C1=6 ha, C2=8 ha, C6=14	29 ha	29 ha	--	--	--	29 ha.
7	-do-	Majri	Killour	Salatha C3=5ha, C1=3ha	8 ha.	8ha	--	--	--	8ha.
8	-do-	Bhagani	Dhandhla	Dhandhla C1=6 ha	6 ha	6ha	--	--	--	6 ha.
9	-do-	Rajpur	Salwala	Kandhlea C2&3=9ha	9ha	--	9 ha	--	1,58000/-	9ha.
10	-do-	Bhagani	Dandhla	Dhandhla C5=8ha, C10=10 ha, C8=2 ha	20ha	20ha	--	--	--	20 ha
11	-do-	Bhagani	Mehruwala	Mehruwala C1=2ha	2ha	2ha	--	--	--	2 ha.

Bhagani Range Total					84 ha.	73 ha	11 ha.	--	1,93000/-	84 ha.
Grand Total= 51 Nos of Case					407 ha.	392ha	15 ha		2,38,000/-	407 ha.
Fire Data for the year 2017-18 in respect of Paonta Forest Division.										
1	Paonta Sahib	Paonta Sahib	Jamniwala	Jamniwala C3=4 ha	4ha	--	--	4ha	--	4 ha.
2	-do-	Paonta Sahib	Jamotwa	Jamotwa C3=3ha	3ha	--	--	3 ha	--	3 ha.
3	-do-	Paonta Sahib	Jamotwa	Jamotwa C16=8 ha,C18=10ha, C19=12 ha.	30 ha	--	--	30 ha	--	30 ha.
4	-do-	Paonta Sahib	Gondpur	Jamukhala C1=0.50 ha	0.50 ha	--	--	0.50 ha	--	0.50 ha.
5	-do-	Paonta Sahib	Jamniwala	Jamniwala C9=5ha, C11=2 ha	7 ha.	--	--	7ha	--	7ha
Paonta Sahib Range Total					44.5 ha.	--	--	44.5ha	--	44.5 ha.
1	Bhagani	Bhagani	Amboya	Amboya C6=3 ha	3 ha	--	3 ha	--	85710/-	3 ha.
2	-do-	Bhagani	Amboya	Amboya C7=20 ha	20 ha	--	--	20 ha.	--	20 ha.
3	-do-	Bhagani	Amboya	Amboya C8=5 ha	5 ha	--	5 ha	--	96460/-	5 ha
4	-do-	Bhagani	Amboya	Amboya C8=3 ha	3 ha	--	3 ha	--	54730/-	3 ha
5	-do-	Bhagani	Amboya	Amboya C8=3ha	3 ha	--	3 ha	--	1,13700/-	3 ha
Bhagani Range Total					34 ha	--	14 ha	20 ha	3,50,600/-	34 ha
1	Majra	Sunkron	Sunkron	Sunkron C11=2 ha, C12=1 ha.	3 ha	--	--	3 ha	--	3 ha
Majra Range Total					3 ha	--	--	3 ha	--	3 ha
Grand Total = 11 Nos of Case					81.5 ha	--	14 ha	23 ha	3,50,600/-	81.5 ha

Fire Data for the year 2018-19 in respect of Paonta Forest Division.										
1	Paonta Sahib	Paonta Sahib	Jamniwala	Jamniwala C2=2 ha	2 ha	2ha	--	--	--	2 ha
2	-do-	Paonta Sahib	Garibnath	Garibnath C3=5ha, C4=4ha, C17=9ha, C18=8ha	26ha	26 ha	--	--	--	26 ha
3	-do-	Paonta Sahib	Garibnath	Garibnath C13=3.5ha	3.5ha	3.5ha	--	--	--	3.5 ha
4	-do-	Paonta Sahib	Jamotwa	Jamotwa C5=5ha, C12=10ha	15 ha	15ha	--	--	--	15 ha.
5	-do-	Paonta Sahib	Jamotwa	Jamotwa C4=5 ha, C8=8 ha, C18=5 ha	18 ha	18 ha	--	--	--	18 ha
Paonta Sahib Range Total					64.5 ha	64.5 ha	--	--	--	64.5 ha.
1	Majra	Ghratwali	Ghratwali	Ghratwali C2&3=2 ha	2 ha	2 ha	--	--	--	2 ha
2	-do-	Sunkron	Sunkron	Sunkron C17=1 ha	1 ha	--	--	1 ha	--	1 ha
3	-do-	Majra	Majra	Badighati C1=2 ha.	2 ha	--	--	2 ha	--	2 ha
4	-do-	Majra	Majra	Sukhmelion C10=3 ha	3 ha	3 ha	--	--	--	3 ha
5	-do-	Majra	Majra	Sukhmelion C5&11=4 ha	4 ha	4 ha	--	--	--	4 ha.
6	-do-	Majra	Majra	Badighati C3=3 ha.	3 ha	3 ha	--	--	--	3 ha
7	-do-	Majra	Majra	Kiyarda C7=1.5 ha	1.5 ha	1.5 ha	--	--	--	1.5 ha
8	-do-	Majra	Johron	Banswali C13=2 ha.	2 ha	2 ha	--	--	--	2 ha.
9	-do-	Majra	Majra	Kiyarda C4=4 ha	4 ha	4 ha	--	--	--	4 ha
10	-do-	Behral	Surajpur	Surajpur C4=3.5 ha	3.5 ha	3.5 ha	--	--	--	3.5 ha
11	-do-	Behral	Surajpur	Katapathar C10=4 ha	4 ha	4 ha	--	--	--	4 ha

12	-do-	Majra	Johron	Banswali C7=5 ha, C9=6 ha.	11 ha	11 ha	--	--	--	11 ha.
13	-do-	Majra	Sainwala	Paniwala C5=4 ha.	4 ha	4 ha	--	--	--	4 ha
14	-do-	Majra	Sainwala	Jamanwali C5=5 ha	5 ha	5 ha	--	--	--	5 ha
15	-do-	Majra	Sainwala	Sainwala C1=4 ha , C2=5 ha	9 ha	9 ha	--	--	--	9 ha
16	-do-	Majra	Dholakuan	Garhi C1=6 ha, C4=5 ha	11 ha	11 ha	--	--	--	11 ha
17	-do-	Majra	Majra	Jamanwali C6=5 ha	5 ha	5 ha	--	--	--	5 ha
18	-do-	Majra	Bherewala	Bherewala C5=4 ha	4 ha	4 ha	--	--	--	4 ha
	Majra Range Total				79 ha	79 ha	--	--	--	79 ha
1	Giri Nagar	Giri Nagar	Dunga	Janglot C 1=1.5 ha.	1.5 ha	1.5 ha	--	--	--	1.5 ha.
2	-do-	Chandpur	Chandpur	Chandpur C15=10 ha	10 ha	10 ha	--	--	--	10 ha.
3	-do-	Giri Nagar	Mehrar	Mehrar C17=6 ha.	6 ha	6 ha	--	--	--	6 ha.
4	-do-	Giri Nagar	Majri	Majri C4= 5ha	5 ha	5 ha	--	--	--	5 ha.
5	-do-	Chandpur	Parduni	Parduni C14=1.5 ha	1.5 ha	1.5 ha	--	--	--	1.5 ha
6	-do-	Giri Nagar	Majri	Majri C1=6 ha.	6 ha	6 ha	--	--	--	6 ha
7	-do-	Giri Nagar	Kando Kansar	Kansar C1=2.5 ha.	2.5 ha	2.5 ha	--	--	--	2.5 ha
8	-do-	Giri Nagar	Mehrar	Mehrar C1=3 ha	3 ha	3 ha	--	--	--	3 ha.
9	-do-	Kansar	Kando Baila	Kando Baila C3=8 ha.	8 ha	8 ha	--	--	--	8 ha.
10	-do-	Giri Nagar	Jalmusa	Jalmusa C8=5 ha	5 ha	5 ha	--	--	--	5 ha
11	-do-	Kansar	Gullarwala	Gullarwala C13=4 ha, C14=5 ha	9 ha	9 ha	--	--	---	9 ha

12	-do-	Giri Nagar	Jalmusa	Jalmusa C7=5 ha	5 ha	5 ha	--	--	--	5 ha
13	-do-	Kansar	Gullarwala	Gullarwala C15=5ha,	5 ha.	5 ha	--	--	--	5 ha
Giri Nagar Range Total					67.5 ha	67.5 ha	--	--	--	67.5 ha
1	Bhagani	Majri	Majri	Majri C2&3 18	18 ha	--	10 ha	8 ha	1,36000/-	18 ha
2	-do-	Bhagani	Amboya	Amboya C4=4ha	4 ha	4 ha	--	--	--	4 ha
3	-do-	Majri	Gojjar	Gojjar C1=16 ha	16 ha	16 ha	--	--	--	16 ha
4	-do-	Majri	Gojjar	Gojjar C6=7 ha	7 ha	7 ha	--	--	--	7 ha
5	-do-	Bhagani	Mehruwala	Mehruwala C-5=5 ha	5 ha	5 ha	--	--	--	5 ha
6	-do-	Majri	Gojjar	Gojjar C8=6 ha	6 ha	6 ha	--	--	--	6 ha
7	-do-	Majri	Gojjar	Gojjar C8=11 ha	11 ha	--	11 ha	--	1,53000/-	11 ha.
8	-do-	Majri	Gojjar	Gojjar C10=5 ha	5 ha	5 ha	--	--	--	5 ha
9	-do-	Rajpur	Salwala	Kandhela C9=5 ha	5 ha	5 ha	--	--	--	5 ha
10	-do-	Rajpur	Salwala	Kandhela C3=10 ha, C4=10 ha.	20 ha	20 ha	--	--	--	20 ha
Bhagani Range Total					97 ha	68 ha	21 ha	8 ha	2,89000/-	97 ha
Grand Total= 46 Nos case					308 ha	276 ha	21 ha	11 ha	2,89000/-	308 ha.
Fire Data for the year 2019-20 in respect of Paonta Forest Division.										
1	Paonta Sahib	Khara	Lai	Lai C10=3 ha	3 ha	--	--	3 ha	--	3 ha
2	-do-	Khara	Lai	Lai C13=3 ha, C14=4 ha	7 ha	--	--	7 ha	--	7 ha

3	-do-	Khara	Lai	Lai C10=10, C11=5 ha	15 ha	--	--	15 ha	--	15 ha
4	-do-	Khara	Lai	Lai C12=10 ha, C14=10 ha, C15=2 ha	22 ha	--	--	22 ha	--	22 ha
5	-do-	Chachheti	Chachheti	Chachheti C13=3 ha	3 ha	3 ha	--	--	4000/-	3 ha
6	-do-	Chachheti	Chachheti	Chachheti C14=4 ha	4 ha	4 ha	--	--	5000/-	4 ha
7	-do-	Khara	Jhara	Jhara C2=1 ha	1 ha	1 ha	--	--	1500/-	1 ha
8	-do-	Chachheti	Sarah	Sarah C4=8 ha.	8 ha	--	--	8 ha	--	8 ha
9	-do-	Chachheti	Chachheti	Chachheti C14=2 ha	2 ha	2 ha	--	--	1950/-	2 ha.
10	-do-	Khara	Lai	Lai C2=2 ha	2 ha	2 ha	--	--	1300/-	2 ha.
11	-do-	Chachheti	Chachheti	Chachheti C15=1.5 ha	1.5 ha	1.5 ha	--	--	1625/-	1.5 ha
12	-do-	Paonta Sahib	Gondpur	Mantaruwala C4=1.5	1.50 ha	1.50 ha	--	--	1950/-	1.50 ha.
13	-do-	Paonta Sahib	Jamotwa	Jamotwa C3= 8 ha	8 ha	8 ha	--	--	3250/-	8 ha.
14	-do-	Paonta Sahib	Garibnath	Garibnath C6=7 ha	7 ha	7 ha	--	--	2925/-	7 ha
15	-do-	Paonta Sahib	Garibnath	Garibnath C15=1 ha, C5=1 ha	2 ha	2 ha	--	--	1430/-	2 ha
16	-do-	Paonta Sahib	Garibnath	Garibnath C8=2 ha, C14=3 ha	5 ha	5 ha	--	--	1625/-	5 ha
17	-do-	Paonta Sahib	Jamotwa	Jamotwa C10=2ha, C13=3ha, C19=2.5 ha	7.5 ha	7.5 ha	--	--	3640/-	7.5 ha.
18	-do-	Paonta Sahib	Jamotwa	Jamotwa C9=10 ha	10 ha	10 ha	--	--	7800/-	10 ha.
Paonta Sahib Range Total					109.5 ha	54.5		55 ha.	37995/-	109.5 ha.
	Grand total: 18 Nos cases				109.5 ha.	54.5 ha.		55 ha.	37995/-	109.5 ha.
Fire Data for the year 2020-21 in respect of Paonta Forest Division.										
1	Majra	Majra	Bherewala	Bherewala C1=4 ha, C2=3 ha, C3=10	17 ha	17 ha	--	--	8200/-	17 ha
2	-do-	Majra	Sainwala	Tokion C7=5 ha	5 ha	5 ha	--	--	2000/-	5 ha
Grand Total:- 02 Nos cases					22 ha	22 ha	--	--	10200/-	22 ha

Fire Data for the year 2021-22 in respect of Paonta Forest Division.

1	Giri Nagar	Kansar		Khando bharog C2 & C5	8 hac.	7 hac.	1 hac	--	68,000	8 hac
2	Bhagani	Rajpur	Salwala	Kandela C10	4 hac.	4 hac.	--	--	4,000	4 hac
3	Giri Nagar	Giri Nagar	Majri	RF Majri C4	7 hac.	7 hac.	--	--	4000	7 hac
4	Giri Nagar	Kansar	Kansar	RF Kansar C1	0.5 hac.	0.5 hac.	--	--	1000	0.5 hac
5	Paonta Range	Paonta Sahib	Rampurbeli beat	RF Rampur beli	4 hac	4 hac	--	--	1500	4 hac
6	Paonta Sahib Range	Gorakhpur	Rajban	RF Rajban C4	2 hac	2 hac	--	--	2400	2 hac
7	Giri Nagar	Giri Nagar	Mehrar	RF Mehrar C2	1 hac	1 hac	--	--	0	1 hac
8	Paonta Sahib	Chachhati	Sarah	RF Sarah C6 & C7	14 hac	14 hac	--	--	6500	14 hac
9	Paonta Sahib	Chachhati	Chachhati	RF Chachhati C11, C12 & 13	39 hac	39 hac	--	--	17500	39 hac
10	Paonta Sahib	Chachhati	Chachhati	RF Chachhati C4	20 hac	20 hac	--	--	8000	20 hac
11	Paonta Sahib	Paonta	Man Taruwala	Man Taruwala C4	2 hac	0	2 hac	--	20000	2 hac
12	Bhagani	Majri	Khojjar	R.F Khojjar C1	20 hac	0	20 hac	--	3,17,980	20 hac
13	Bhagani	Majri	Khojjar	R.F Khojjar C6,C7	10 hac	10 hac	--	--	2500	10 hac
14	Bhagani	Rajpur	Salwala	RF Kandela C1	4 hac	4 hac	--	--	1500	4 hac
15	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa	3 hac	3 hac	--	--	1000	3 hac
16	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	4 hac	4 hac	--	--	1100	4 hac
17	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C1, C18 & C19	4.5 hac	4.5 hac	--	--	1800	4.5 hac
18	Bhagani	Rajpur	Salwala	RF Kandela C8	2 hac	2 hac	--	--	800	2 hac
19	Majra	Ghartwali	Gharatwali (N)	Gharatwali C12	4 hac	4 hac	--	--	1500	4 hac
20	Majra	Ghartwali	Gharatwali (M)	RF Gharatwali C1 & C3	5 hac	5 hac	--	--	2500	5 hac
21	Majra	Majra	Johron	Banswali C7,C10 & C12	5 hac	5 hac	--	--	5000	5 hac

22	Majra	Majra	Johron	RF Kiyarda C3	2 hac	2 hac	--	--	0	2 hac
	Grand total: 22 Nos cases				165 hac.	142 hac.	23 hac.	---	468580/-	165 hac.

Fire Data for the year 2022-23 in respect of Paonta Sahib Forest Division.

1	Paonta Sahib	Paonta Sahib	Gondpur	RF Mantaruwala C4	2 hac	0	2 hac	--	20000	2 hac
2	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C10	4 hac	4 hac	--	--	100	4 hac
3	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C3	17 hac	17 hac	--	--	0	17 hac
4	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamtowa C1	2.5 hac	2.5 hac	--	--	1200	2.5 hac
5	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala	4 hac	4 hac	--	--	1000	4 hac
6	Paonta Sahib	Gorkhpur	Kukron	RF Kukron C14	2.5 hac	2.5 hac	--	--	0	2.5 hac
7	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C11	4.5 hac	4.5 hac	--	--	1200	4.5 hac
8	Paonta Sahib	Gorkhpur	Kukron	RF kukron C10	3.5 hac	3.5 hac	--	--	1000	3.5 hac
9	Paonta Sahib	Gorkhpur	Kukron	RF Kukron C12	10 hac	10 hac	--	--	1000	10 hac
10	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C1	0.8 hac	0.8 hac	--	--	1800	0.8 hac
11	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa	6.5 hac	6.5 hac	--	--	1200	6.5 hac
12	Paonta Sahib	Paonta Sahib	Jamniwala	RF Jamniwala C10	6 hac	6 hac	--	--	1200	6 hac
13	Paonta Sahib	Paonta Sahib	Gondpur	RF Jammu Khala C6	1 hac	1 hac	--	--	300	1 hac
14	Paonta Sahib	Khara	Lai	RF Lai C11	3 hac	3 hac	--	--	3000	3 hac
15	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C3	3 hac	3 hac	--	--	0	3 hac
16	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C3	3.5 hac	3.5 hac	--	--	800	3.5 hac
17	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C9	4 hac	4 hac	--	--	800	4 hac

18	Paonta Sahib	Paonta Sahib	Jamotwa	RF Jamotwa C1	1.5 hac	1.5 hac	--	--	800	1.5 hac
19	Giri Nagar	Giri Nagar	Majri	RF Majri C4	7 hac	7 hac	--	--	0	7 hac
20	Giri Nagar	Giri Nagar	Mehrar	RF Mehrar C2	1 hac	1hac	--	--	0	1 hac
21	Giri Nagar	Giri Nagar	Giri Nagar	Govt. Land	15 hac	10 hac	--	5 hac	148500	15 hac
22	Majra Range	Gharatwali	Gharatwali (S)	RF Gharatwali C8	3 hac	3 hac	--	--	2500	3 hac
23	Majra Range	Gharatwali	Gharatwali	Gharatwali C8	3 hac	3 hac	--	--	2500	3hac
24	Majra Range	Behral	Surajpur	RF Katapathar	3 hac	3 hac	--	--	3300	3 hac
25	Majra Range	Majra	Johron	RF kairda C4	4 hac	4 hac	--	--	4600	4 hac
26	Majra Range	Gharatwali	Gharatwali (S)	RF Gharatwali	3.5 hac	3.5 hac	--	--	3100	3.5 hac
27	Majra Range	Gharatwali	Gharatwali (S)	RF Gharatwali	4 hac	4 hac	--	--	3600	4 hac
28	Majra Range	Majra	Johron	RF Bainswali C1	4 hac	4 hac	--	--	3600	4 hac
29	Majra Range	Majra	Majra	Badighatti C3	5 hac	5 hac	2 hac	--	0	7 hac
30	Majra Range	Majra	Behdewala	RF Pipliwali	4.5 hac	4.5 hac	--	--	4500	4.5 hac
31	Majra Range	Gharatwali	Gharatwali (N)	RF Gharatwali C7	4.5 hac	4.5 hac	--	--	4200	4.5 hac
32	Majra Range	Majra	Majra	RF Badighatti C1	2 hac	2 hac	--	--	1500	2 hac
33	Bhagani	Bhagani	Yamuna	RF Yamuna C1	2 hac	2 hac	--	--	1000	2 hac
34	Bhagani	Bhagani	Mehruwala	RF Mehruwala	2 hac	2 hac	--	--	4000	2 hac
35	Bhagani	Bhagani	Amboya	RF Amboya C4	2 hac	2 hac	--	--	0	2 hac
36	Bhagani	Khodri Majri	Khodri Majri	RF Khodri Majri	59 hac	59 hac	--	--	45000	59 hac
	Grand total: 36 Nos cases				207.8 hac.	200.8 hac	4 hac.	5 hac.	267300/-	209.8 hac.

Appendix X: - List of Graziers

INFORMATION REGARDING GRAZIERS IN PAONTA FOREST DIVISION.

Giri Nagar Range (Gaddi Grazier)							
Sr. No	Name and address of Gaddi.	Area allotted for grazing. Area in ha.	Detail of cattle		0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Goat	Sheep			
1.	Sh Ganga Bhagat S/O Tota Ram, R/o Chittkul, Teh Sangla, Distt Kinnour.	622.42	150	400	312.5	1978-79	
2.	Sh. Arjun Singh Negi S/o Lt. Sh Chet Ram, R/o Rakcham, Distt Kinnour.	839.63	85	250	188.75	Before 1988-89	
3.	Raju Khepan S/o Pattu Ram, R/o Dandwari.	316.2	100	150	150	2000-01	
4.	Parmood Kumar S/o Bhamu Ram R/o Dhandwari	422.06	150	250	237.5	2001-02	
5.	Bhagvan Singh S/o Amar Singh, R/o Sangla, Kinnour.	495.51	150	250	237.5	1979-80	
6.	Baldev Singh S/o Devipur, R/o Rakcham, Distt Kinnour.	459.28	50	150	112.5	1997-98	
7.	Sh Ashok Kumar S/o Tajal Sukh, R/o Jakha, R/o Dodra Kavar	370.75	150	100	162.5	Before 1988-89	
8.	Mehman Singh Rawat S/o Diwan Singh Rawat, R/o Dandwari, Distt Kinnour.	1445.65	325	300	393.75	Before 1988-89	
9.	Rovil Singh Negi S/o Mohan Parkash R/o Rakcham, Distt Kinnour.	79.23	10	45	30	Before 1988-89	
10.	Rajkumar S/o Padam Chand, R/o Dandwari,	293.5	150	0	75	Before 1988-89	

Paonta Sahib Range (Gaddi Grazier)							
Sr. No	Name and address of Gaddi	Area allotted for grazing. Area in ha.	Detail of Cattle		0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Goat	Sheep			
11.	Vipin Kumar S/o Bambhu Ram R/o Dhandwari.	145.42	150	250	237.50	2003-04	Bhambu Ram S/o Lt.Sh Neerchand
12.	Rajiv Singh S/o Sundar Singh, R/o Barseri.	747.52	46	264	166.5	1978-88	Sundar Singh S/o Nazar Ram, R/o Barseri.
13.	Jawahr S/o Dharma Nand, R/o Chitkul.	1461.64	400	700	462.5	1978-88	Dharma Nand S/o Gangadhar, R/o Chitkul
14.	Sundar Singh S/o Rattan Chand, R/o Kanwar.	511.56	150	150	187.5	1978-88	Rattan Chand S/o Dharshan Singh, R/o Kanwar.
15.	Chain Singh Rawat S/o Sh Mahimaan Singh Rawat, R/o Dhandwari	90.0	200	250	275	2015-16	Transfer from Bhagani range to Paonta Sahib Range
16.	Ram Parkash S/o Shambu Ram, R/o Barseri.	784.67	160	205	222.50	1999-2000	Bhanu Partap S/o Rama Nand, R/o Barseri.
17	Badri Lal S/o Shambu Ram, R/o Barseri.	348.98	265	305	351.25	2006-07	
Bhagani Range (Gaddi Grazier)							
Sr.No	Name and address of Gaddi	Area allotted for grazing. Area in ha.	Detail of Cattle		0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Sheep	Goat			
18.	Sh Laxmi Bhagat Negi S/o Ranjeet Negi, R/o Sangla.	3052	120	174	190.50	1989	
19.	Sh Kapoor Chand S/o Johrv Dorje, R/o Balsan.	2201	500	34	275.50	1989	

Majra Range (Gaddi Grazier)

Sr.No	Name and address of Gaddi.	Area allotted for grazing. Area in ha.	Detail of cattle		0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Goat	Sheep			
20	Sh Surnder Singh S/o Mukh Ram, R/o Tauynu, Distt Shimla.	101.56	150	150	187.50	1987-88	
21	Sh Shish Kumar, S/o Bhagwan Singh, R/o Jaglik, Distt Shimla.	68.28	100	200	175	1989	
22	Sh Partap Singh S/o Shishu Ram, R/o Dodra Kavar, Distt Shimla.	341.54	100	50	100	1987-88	
23	Sh Hardyal Singh S/o Bhajan Dass, R/o Dhandwari, Distt Shimla.	77.36	80	180	150	1987-88	
24.	Sh Shishu Pal S/o Jiya lal, R/o Jaglik.	75.41	200	350	325	1987-88	
25.	Sh Padam Chand S/o Bhagat Ram, R/o Kavar, Distt Shimla.	10.18	200	0	150	1987-88	
26.	Sh Ramesh Kumar S/o Padam Singh, R/o Kavar, Distt Shimla.	123.04	50	100	87.50	1987-88	
27.	Sh Virender Singh S/o Ravinder Singh, R/o Kotal, Distt Shimla.	107.17	85	165	146.25	1987-88	
28.	Sh Sushil Kumar S/o Jiya Lal, R/o Deothi, Distt Shimla.	36.72	30	30	37.50	1993-94	
29.	Sh Gopal Bhagat S/o Sonam Guru, VPO Sangla, Distt Kinnour.	276.18	155	255	243.75	1997-98	
30.	Sh Bhagat Ram S/o Shyama Nand, R/o Tagnu,	64.52	100	150	150	2004-05	

31.	Bharat Singh S/o Kewal Ram, R/o Tagnu,	91.28	150	250	237.50	2004-05	
32.	Satya Devi, W/o Bhishan Singh, R/o Tagnu	113.04	120	200	190	2004-05	

Giri Nagar Range Gujjar								
Sr. No	Name and address of Gujjar.	Area allotted for grazing. Area in ha.	Detail of Cattle			0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Buffellow	Sheep	Goat			
1.	Sh Ali Mohd. S/o Laldeen, R/o Than Ka Bag	50	9	6	2	32	March 1998	
2.	Sh Kasham & Aslam S/o Nazamudeen, R/o Lajwa, Teh Sangra.	43.76	10	1	1	31.75	1997-98	
3.	Sh Ayub S/o Lt. Sh Roshan, R/o Mehrar,	43.76	5	1	0	16	1997-98	
4.	Sh Yusaf S/o Hussandeen, R/o Majri.	67.67	6	0	0	21	-	
5.	Sh Gulam Rasul S/o Yusaf, R/o Mehrar.	49.3	10	2	2	33.5	March 1998	
6.	Sh Shamshudeen S/o Lt. Sh Noordeen and Rajab Ali, R/o Bhrapur.	130.45	10	0	0	30	March 2007	
7.	Sh Laman S/o Meer Ali, R/o Nohradhar.	120.73	3	0	0	10	March 1998	
8.	Sh Bajju Khan S/o Musa, R/o Nohradhar.	94.32	12	6	6	45.5	March 1998	
9.	Alamdeen, Roshan deen, Ferojdeen, Kashmdeen, Berudeen S/o Fakerdeen, R/o Habban.	120.73	7	6	3	28.75	March 1998	
10.	Sh Gami S/o Feroj, R/o Dharla Ghate (Sangrah).	51.3	15	6	4	51.5	March 1997	

11.	Sh Sadiq Ali S/o Allamdeen, R/o Kolar.	98.1	10	4	4	36	March 1999	
12.	Smt Jiya W/o Alamdeen, R/o Nohradeen.	77.97	8	0	2	26.5	March 1998	

Paonta Sahib Range (Gujjar Grazier)

Sr. No	Name and address of Gujjar	Area allotted for grazing. Area in ha.	Detail of Cattle					0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Buffellow	Cow	Ox	Goat	Sheep			
13	Tamad Ali S/o Tajaldeen, R/o Ambinala.	100.16	5	0	4	0	0	23	1987-88	Transfer from Majra Range to Paonta Sahib Range in 2016-17
14.	Aladita, Jimudeen, Bhuradeen S/o Mandu, R/o Gulabgarh.	603.52	8	3	0	35	0	56.25	2010-11	

Bhagani Range Gujjar Grazing.

Sr. No	Name and address of Gujjar	Area allotted for grazing. Area in ha.	Detail of Cattle				0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Buffellow	Goat	Sheep	Cow/Ox			
15.	Sh Ali Sher S/o Meer Hussain, Gojjar.	158.47	3	1	1	0	12.25	1989	
16.	Roshan Deen S/o Meer Ali, R/o Gojjar.	158.47	3	1	1	0	12.25	1989	
17.	Kashamdeen S/o Meer Hasan, R/o Gojjar.	158.47	3	1	1	0	14.25	1989	

18.	Gulamdeen S/o Meer Hasan R/o Gojjar.	158.47	5	1	1	0	20.25	1989	
19.	Bani S/o Bhaudeen, R/o Majri.	459	8	3	0	2	30.25	1989	
20.	Kaki S/o Bhaudeen, R/o Majri.	459	8	3	0	2	30.25	1989	
21.	Bishan Singh S/o Chet Ram, R/o Bhadana.	128	20	0	0	0	60.00	1989	

Majra Range (Gujjar Grazing)

Sr. No	Name and address of Gujjar	Area allotted for grazing. Area in ha.	Detail of cattle						0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Buff.	Goat	Sheep	Ox	Cow	Horse			
22.	Nek Mohd. S/o Sukardeen.	71.68	5	3	2	1	0	0	20.25	1987-88	
23.	Mohd. Alam S/o Raghudeen.	60.52	4	2	0	1	0	0	15.50	1991-92	
24.	Ali Mohd S/o Raghudeen.	35.21	4	2	0	1	0	0	15.50	1991-92	
25.	Firoj S/o Raghudeen.	36.05	2	2	0	0	0	0	7.50	1991-92	
26.	Bano Biwi W/o Liyakat Ali.	36.35	5	2	2	1	0	0	19.05	1991-92	
27.	Zuhar Hussain S/o Tahmad Ali.	14.84	5	0	0	0	0	0	15.00	1987-88	
28.	Gani S/o Mai	10.06	5	0	0	0	0	0	15.00	2002-03	
29.	Alamdeen S/o Roshan	54.34	5	0	0	0	0	0	15.00	1987-88	
30.	Bakshi Gulam S/o Mai	47.92	3	0	0	1	0	0	11.00	1989-90	
31.	Shyama D/o Bakshi Gulam	20.25	2	0	0	0	0	0	6.00	1994-95	
32.	Kiaya S/o Lt. Noor Ali.	28.93	5	0	0	0	0	0	15.00	2014-15	
33.	Gulam Rasul S/o Kiya.	32.96	5	0	0	0	0	0	15.00	1987-88	
34.	Mai S/o Kaiya	18.74	5	0	0	0	0	0	15.00	1994-95	
35.	Shammi W/o Roshan Ali	50.93	5	0	0	0	0	0	17.00	1987-88	
36.	Kasam Ali S/o Lal Hussain.	22.95	3	1	0	1	1	0	13.75	1989-90	
37.	Basir S/o Fajaldeen.	58.11	4	1	1	0	0	0	13.25	1987-88	

38.	Mariyam D/o Sukha.	18.74	5	0	0	0	3	0	21.00	1996-97	
39.	Ambodeen S/o Chhludeen	54.39	15	4	0	2	0	0	52.00	1987-88	
40.	Smt Sani W/o Roshandeen	106.90	10	0	0	0	0	0	30.00	1989-90	
41.	Kasam S/o Roshandeen.	28.17	4	2	0	0	0	0	15.50	1989-90	
42.	Baju S/o Roshan	17.34	2	0	0	2	0	0	10.00	1989-90	
43.	Noor Mohd. S/o Roshan.	17.34	2	1	0	0	0	0	6.75	1989-90	
44.	Baba S/o Roshan.	17.34	2	1	0	0	0	0	6.75	1989-90	
45.	Neka W/o Kalu	17.34	2	1	0	0	0	0	6.75	1989-90	
46.	Bani S/o Ambodeen.	30.18	12	0	0	2	0	0	40.00	1989-90	
47.	Faqri w/o Alisher.	28.67	6	1	3	0	0	0	20.25	1994-95	
48.	Juhar Ali S/o Gulam Ali.	10.18	17	0	0	3	0	0	57.00	1995-96	
49.	Sultan Ali S/o Gulam Ali.	12	4	0	0	0	0	0	12.00	1995-96	
50.	Sadiq S/o Noor Hussain.	37.73	5	2	3	1	0	0	20.00	1995-96	
51.	Yusuf S/o Noor Hussain.	37.23	5	3	2	1	0	0	20.25	1995-96	
52.	Basvir S/o Noor Hussain.	9.76	4	0	0	0	0	0	12.00	1995-96	
53.	Abdul Gani S/o Gulam Rasul.	30.18	2	0	0	0	0	0	6.00	1995-96	
54.	Nek Bivi S/o Ali Sher	45.48	3	0	0	0	0	0	9.00	1995-96	
55.	Bani S/o Bhavdeen	50.24	5	0	0	0	0	0	15.00	1999	
56.	Liyakat S/o Bhavdeen.	62.80	5	0	0	0	0	0	15.00	1999	
57.	Kasham S/o Ali Hussain.	11.06	15	9	5	0	0	0	54.25	2007-08	Transfer from Nahan Division.
58.	Tajbivi W/o Hussain.	86.88	10	0	0	0	0	0	30.00	2008-09	Transfer from Nahn Division Laldeen S/o Alam, R/o Logarh
59.	Roshan S/o Mian	56.34	10	10	0	2	0	0	41.50	2014-15	Sadiq S/o Sukhrdeen
60.	Noor Mohd. S/o Biru	20.12	23	30	6	0	0	4	102.50	2016-17	Transfer from Rohru

											Forest Division.
61.	Noor Jamal S/o Kasam Ali.	22.95	1	1	0	0	0	0	3.75	1987-88	
62.	Massardeen S/o Kasam Ali	22.95	1	0	1	0	0	0	3.50	1987-88	
63.	Kaki S/o Lal Hussain	22.95	3	0	0	0	0	0	9.00	1987-88	
64.	Firojdeen, Yousuf, Bagudeen, Kasam Ali S/o Alisher.	9.05	8	4	0	0	0	0	27.00	1997-98	Alisher S/o Ali Hussain.

Giri Nagar Local Grazier

Sr. No	Name and address of Local Grazer.	Area allotted for grazing. Area in ha.	Detail of Cattle			0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Buffellow	Sheep	Goat			
1.	Sh Rajinder Singh S/o Sh Tota Ram, R/o Bakan Kelewal.	98.1	2	0	0	10	March 1998	
2.	Sh Amar Singh S/o Jatiya Ram, R/o Kota-Pab (Shillai).	98.1	2	0	4	10	March 1999	
3.	Sh Kamlesh Kumar S/o late. Sh. Daya Ram, R/o Kota-Pab (Shillai)	168.76	4	0	0	14	2000-2001	
4.	Sh Sohan Singh S/o Hukam Singh, R/o Kota-Pab.	168.76	6	6	6	27.5	March 1999	
5.	Sh Nain Singh S/o Sahi Ram, R/o Sangrah.	120.73	5	0	0	16	March 1997	
6.	Sh Ram Kishan S/o Ganga Ram, Bhawai (Sangrah).	77.97	10	4	5	36.75	March 1998	
7.	Sh Baldev Singh S/o Nain Singh, R/o Devna (Sangrah)	22.39	9	0	0	28	March 1998	
8.	Sh Jagdish Chand S/o Baldev Singh, R/o Ghaton (Sangrah)	51.31	6	0	0	18	1998-99	
9.	Sh Gyan Chand S/o Lt. Sh Ghasi Ram, R/o Barthel.	377.06	8	0	0	24.5	March 1998	

Paonta Sahib Range (Local Grazier)

Sr. No	Name and address of Local Grazer.	Area allotted for grazing. Area in ha.	Detail of Cattle				0.50 ha. Carrying Capacity	Permit allotted since.	Remarks
			Buffellow	Cow	Goat	Sheep			
10.	Sunder Singh S/o Basti Ram, R/o Fail.	38.12	6	2	0	0	26	1981-82	
11.	Amar Singh S/o Dhani Ram, R/o Barar.	25.12	2	2	5	2	14.75	1987-88	
12.	Deep Ram S/o Nanda Ram, R/o Tatiyana	25.12	2	2	4	1	13.5	1987-88	
13.	Bharma Nand S/o Jaggar Singh, R/o Thakar Gwana	38.72	5	4	10	15	38	1987-88	
14.	Singh Ram S/o Telu Ram, R/o Shilla.	25.12	3	2	5	6	19.75	1987-88	
15.	Chandan S/o Kanthi Ram, R/o Shilla	25.12	6	2	4	8	29	1981-82	
16.	Gopal Singh S/o Dhayan Singh, R/o Choboggar	24.80	4	1	5	4	19.75	1987-88	
17.	Nathu Ram S/o Budh Ram, R/o Kayari.	25.12	4	5	0	0	22	1987-88	
18.	Hari Chand S/o Sunder Singh, R/o Tikar	38.72	3	2	3	2	16.25	1987-88	
19.	Dharm Singh S/o Meena Ram, R/o Tikar	38.72	3	2	10	15	28	2009-10	
20.	Ranveer Singh S/o Ran Singh, R/o Dhrabil.	38.72	0	4	10	0	15.5	2009-10	
21.	Kali Ram S/o Kalyan Singh, R/o Chiryog.	24.80	2	1	1	0	8.75	1987-88	
22.	Ranveer Singh S/o Nettar Singh, R/o Chiryog.	38.72	2	2	0	0	10	2009-10	

23.	Balvir Singh S/o Mani Ram, R/o Kiyaree Gundah.	24.80	3	1	6	6	18.5	1980-81	
24.	Manghu Ram S/o Rattan Singh, R/o Kiyaree Gundah.	24.80	2	1	10	0	15.5	1980-81	
25.	Randeep Singh S/o Ran Singh, R/o Choboggar.	38.72	2	2	0	0	10	1980-81	
26.	Maya Ram S/o Rattan Singh, R/o Kiyaree Gundah.		2	1	10	0	15.5	1980-81	
Bhagani Range (Local Grazier)									
Sr. No.	Name and address of Gaddi	Area allotted for grazing. Area in ha.	Detail of Cattle		0.50 ha. Carrying Capacity	Permit allotted since.	Remarks		
			Sheep	Goat					
27.	Sh Sita Ram S/o Giawaru, R/o Chopal.	1097	50	60	70.00	1989			

Appendix XI: - List of Kokath Tree (Exempted Species)

Government of Himachal Pradesh Department of Forests Notification

No. FFE-B-A (3)-1/2017 Dated Shimla-2, the 08 February, 2021

Information regarding Kokat Species

Sr. No.	Local Name of Species	Botanical Name of Species
1	Kala Siris/ Ohi/ Siris	<i>Albizia Species</i>
2	Safeda	<i>Eucalyptus Species</i>
3	Poplar	<i>Populus delioidis</i>
4	Indian Willow/Biuns	<i>Salix Species</i>
5	Bamboo culms/ Lathi Bans/ Maggar/ Dharainch/ Bans	<i>Dendrocalamus Strictus/ Dendrocalamus hamiltonii/ Bambusa nutans/ Bambusa bambos</i>
6	Paik/Koi/ Kosh/Kunis/Kunish/Nyun	<i>Alnus nitida</i>
7	Khirk/Khadki	<i>Celtis australis Celtis tetrendra</i>
8	Darak/ Bakin	<i>Melia azedarach</i>
9	Fagoora/Phagoora/Tiamble/timla/tirmal/anj iri/cluster fig/goolar	<i>Ficus Species</i>
10	Toon	<i>Toona ciliata</i>
11	Teak/Sagun/Sagwan	<i>Tectona grandis</i>
12	Arjun	<i>Terminalia arjuna</i>
13	Semal/shalmaltas	<i>Bombax ceiba</i>
14	Bihul/Beul/Bhimal / Bhi-unal/ Dhaman	<i>Grewia species</i>
15	Paza/Padam	<i>Prunus cerasus</i>
16	Kamala/Raini/Rohan/Rohini/Sinduri	<i>Mallotus philippensis</i>
17	Aam (Commercial/Hybrid) Improved variety)	<i>Mangifera indica</i>
18	Rishtak/Ritha/ Dode	<i>Sapindus mukorossi</i>
19	Ban (Maximum up to five trees)	<i>Quercus leucotrichophora</i>

Appendix No - XII

SPECIES FOR RELIGIOUS, MEDICINAL, CULINARY AND AESTHETIC IMPORTANCE

SR. NO.	SPECIES LOCAL NAME	IMPORTANCE			
		RELIGIOUS	MEDICINAL	CULINARY	AESTHETIC
1	AAM	**	*	***	***
2	AMLA	*	***	**	*
3	AMALTAS	-	***	-	***
4	ANAR	**	**	***	**
5	ARJUN	*	***	-	**
6	BEHRA	*	***	-	-
7	BARGAD	**	**	-	-
8	BASUTI	-	**	-	-
9	BEL	***	***	***	-
10	BOTTLE BRUSH	-	-	-	***
11	CASTOR	-	**	-	-
12	C. AMALTAS	-	-	-	***
13	DHAK	**	**	-	***
14	DHEW	-	*	**	-
15	GHEEKWAR	-	**	-	-
16	GULAR	**	**	*	**
17	GULMOHAR	-	-	-	***
18	HARAR	*	***	*	-
19	HAZAR MULI, SHATAWARI,	-	**	*	-
20	JAKRANDA	-	-	-	***
21	JAMUN	*	**	***	-
22	KACHNAR	*	***	**	***
23	KAINTH	-	-	**	***
24	KANER	*	-	-	**
25	KASHMAL	-	***	-	-
26	KHAIR	*	**	*	-
27	KIKAR	-	**	-	*
28	KURRYPATTA	-	*	*	-
29	LAL KACHNAR	-	-	*	***
30	LASSORA	-	*	**	-
31	MANDHARA	*	*	-	***
32	PIPAL	***	**	-	**
33	PIPAR	-	**	-	-
34	REETHA	*	**	-	*
35	SANJANA	-	**	**	**
36	SEMUL	*	**	*	*

37	<i>SILVER OAK</i>	-	-	-	**
38	<i>SIRIS</i>	*	*	-	***
39	<i>TACHOMA</i>	-	-	-	***

NOTE: 1. The number of stars signify the relative importance, (***) being the highest; and (-) Signify practically no importance. This may, however, vary from individual to individual.

2. BIBLIOGRAPHY

(I) TROUPE'S – The Silviculture of Indian Trees

(II) The Garden of Life – By Naveen Patnaik

(III) Plants, Myths and Tradition In India – By Shakti M Gupta

(IV) Forest Flora of the Chakrata, Dehradun And Saharanpur Forest Division
- by Basant Lal Gupta

**Appendix No XIII - NURSERY SEED MANUAL PREPARED FOR
PAONTA SAHIB FOREST DIVISION**

LIST OF SPECIES

- 1.Aam
2. Ambara.....
3. Amla
- 4.Amrood
5. Arjun
6. Ashoka.....
7. Ashwagandha.....
8. Bana
9. Baheda.....
10. Bargad.....
11. Champa.....
12. Chandan
- 13.Dadu
14. Gular
15. Harad.....
16. Jamun
17. Kanchan.....
18. Kaphal.....
19. Kathal.....
20. Kharpat.....
21. Maharukh
22. Mahua
23. Neeli Gulmohar
24. Neem.....
25. Peepal

- 26. Ritha
- 27. Rudraksh.....
- 28. Safed Kikar
- 29. Sagwan.....
- 30. Sahjan.....
- 31. Sain
- 32. Sal.....
- 33. Sandan
- 34. Shatavari.....
- 35. Shehtoot
- 36. Tat Patanga
- 37. Timru
- 38. Toon.....

1. Aam

Aam (<i>Mangifera indica</i>)	
English Name: Mango	Family: Anacardiaceae



1. Distribution: Found throughout the Lower Siwalik range in Himachal Pradesh, preferably growing in deep well drained loamy soils. It is a large size evergreen tree. Found upto an altitude of 1000 meters.

2. Flowering: Creamy white color flowers in large panicles appear from March to May

3. Fruit ripening: June-July

4. Seed collection & Storage: Seeds are collected after de-pulping; seeds quickly lose viability; therefore, early sowing is recommended after collection. Mango kernels are mixed with charcoal, stored in sealed Polythene Bags at 20-30 degree centigrade.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
50-60/kg	80-90%	14-24 days	80

6. Seed pre-treatment: The seeds are soaked in cold water for 24 hours resulting in better germination.

7. Seed sowing: Sowing in poly-bags is done in June or in raised primary beds in rows about 20-30cm apart and 10 cm spacing in between.

8. Transplanting: Pricking may be collected from trees in September –October and are to be transplanted in poly-bags.

9. Plantable seedling: One-year seedlings are plantable during next year monsoon, attaining a height of around 60 cm.

2. Ambara

Ambara (<i>Spondias pinnata</i>)	
English Name: Wild Mango	Family: Anacardiaceae

1. Distribution: A moderate sized to large deciduous tree with a pleasant aromatic smell. It attains a height of 15 to 30 m and a girth of around 1.2 to 3.0 m with spherical crown. It is widely distributed throughout the country in the tropical wet evergreen and tropical dry deciduous forests. The species occurs up to 3000 feet elevation.

2. Flowering: March - May when inflorescences of whitish flowers cover the trees

3. Fruit ripening: December-February

4. Seed collection & Storage: Collection period January onwards. The fruit stone is semi-woody, fibrous outside and with cavity. Each stone has 2 to 5 seeds. Completely ripened fruits are collected by lopping the small branches. Fruits are heaped for 2 to 5 days to allow the pulp to rot. The pulp is then macerated and washed under the tap water to clean the stones. The seeds collected are then dried. Seed viability is for 3 months.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
290 per kg	40-60 %	20-60 days	40

6. Seed pre-treatment: Clipping of seeds break the dormancy, enhance the germination and reduce the germination period.

7. Seed sowing: - Seeds are sown directly in polythene bags vertically by keeping the pore end upward at a depth of 1.5 to 2.0 cm in January. One to three seedlings may emerge from the same stone, sufficient watering is required.

8. Transplanting: - Sowing in mother beds is advantageous because the process of germination of seedlings and maintenance of seedlings up to transplanting stage can be easily and effectively cared. Transplanting is typically done with moisture in soil.

9. Plantable seedling: - Seedlings become ready for plantation after one year of sowing. Stump planting has also been found to be effective.

3. Amla

Amla (<i>Phyllanthus emblica</i>/ <i>Emblica officinalis</i>)	
English Name: Indian Gooseberry	Family: Euphorbiaceae

1. Distribution: It is widely distributed in most tropical and subtropical countries. It grows in tropical and subtropical parts of India. It is a common species of dry deciduous forest. It is a light demander and sensitive to drought.

2. Flowering: - Yellow flowers in dense panicles develop during March- April.

3. Fruit ripening: - October to February

4. Seed collection & Storage: Ripe fruits are collected during January–February and seeds are obtained after de-pulping. Seeds can retain viability up to 1 year.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
6800-8900/kg	40-50%	15-24 days	70%

6. Seed pre-treatment: Float test is done and seeds are soaked in hot water for 3-5 minutes or in normal water for 12-24 hours before sowing.

7. Seed sowing: Seeds are sown during March in raised mother beds having soil mixture of soil, sand and vermi-compost (1:2:1).

8. Transplanting: - Seedlings are transplanted when 2-4 cm in height to poly-bags having soil mixture of soil, sand and vermi-compost in a proportion of 1:1:1. Root cutting, grading, re setting of poly-bag seedlings are done at a regular interval of about 45 days. The poly-bags are kept on polythene sheet to prevent root penetration into soil.

9. Plantable seedling: - **Seedlings** may be ready for planting during next year monsoon when the average height will be about 45cm.

4. Amrood

Amrood (<i>Psidium guajava</i>)	
English Name: Guava	Family: Myrtaceae



1. Distribution: Guava is an important fruit of subtropical countries. It is a hardy crop and is cultivated successfully even in poor quality soils. In India, guava is grown almost in all states, including Lower Shivalik belts of Himachal Pradesh.

2. Flowering: May-June (Monsoon flowering during June called 'Mrig Bahar')

3. Fruit ripening: July- August

4. Seed collection & Storage: Ripe fruits are collected during August & September. Seeds are to be extracted from fruits immediately after collection; must be sun-dried and stored.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
20,000-25,000/kg	55-60%	25-35 days	80

6. Seed pre-treatment: Scarification (to break seed dormancy) with 10% Hydrochloric acid for 2 minutes.

7. Transplanting: Seedlings are transplanted when 2 - 4 cm in height to poly-bags having soil mixture of soil, sand and vermicompost in a proportion of 1:1:1. Root cutting, grading, re-setting of seedlings are done at a regular interval of about 45 days. The poly-bags are kept on a polythene sheet to prevent root penetration into soil.

8. Plantable seedling: Seedlings may be ready for planting when average height will be about 45cm.

5. Arjun

Arjun (<i>Terminalia arjuna</i>)	
English Name: Arjuna	Family: Combretaceae

1. Distribution: - Deciduous tree, up to 30 m tall. Bark whitish grey to pinkish grey, thin, smooth. It is distributed in forest of foot hill/ Shivalik hills of Himalaya throughout of Himachal Pradesh.

2. Flowering: - Small whitish flowers in spikes appear in summers.

3. Fruit ripening: - Winged fruit start ripening in March-April.

4. Seed collection & Storage: Ripen fruits are collected during April-May by lopping the braches or from previously cleaned ground. Fruits are than dried in Sun for 2 to 3 days and stored in gunny bags. Viability remains up to one year.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
400 to 700 per Kg	40 to 50	15 to 20 days	40

6. Seed pre-treatment: - Pre-soaking in warm water for 48 hours. The seeds are heaped and watered twice a day. When the seeds begin to sprout, they are removed and sown/ dibbled in poly bags.

7. Seed sowing: - Pre-treated seeds are dibbled in polythene bags during March having mixture of soil and sand and vermin-compost (1:1:1). Mulching is to be provided to facilitate germination. Seeds are normally dibbled at the center of the poly-bag.

8. Transplanting: Through Root-Shoot Method. Seedlings can be collected from forest area in July to December and root shoot cutting can be prepared.

9. Plantable seedling: - Seedlings usually reach normal & tall plantable size in 1.5 & 2.5 years respectively.

6. Ashoka

Ashoka (<i>Saraca asoca</i>)	
English Name: Ashok tree	Family: Fabaceae

1. Distribution: Generally found wild along streams and in shades of evergreen forests. Found in lower Shivalik regions as well. It is a tree of high religious significance in India.

2. Flowering: -February-May

3. Fruit ripening: - August-September

4. Seed collection & Storage: -Collection from mature pods in September. Seed viability is only for two months.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
100/kg	60-70%	30 to 60 days	55

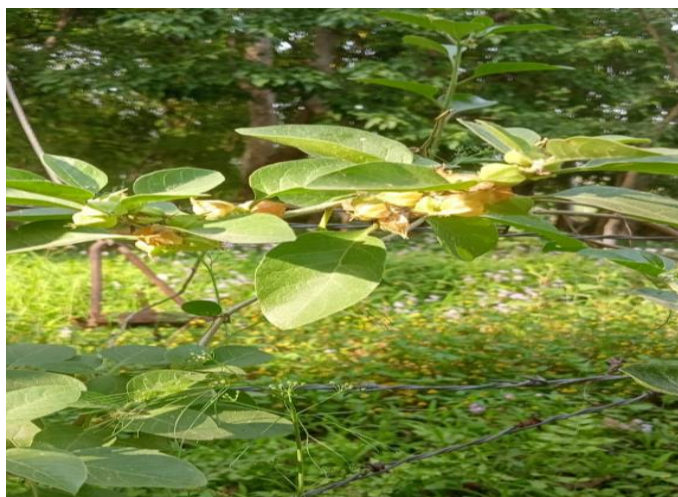
6. Seed pre-treatment: Not required.

7. Seed sowing& transplanting: Seeds are sown in poly-bags with mixture of soil, sand and vermicompost in the ratio of 1:1:1. They are covered with dried leaves for better germination and regular watering. Germination completes by 12th week.

8. Plantable seedling: - Seedlings are ready for planting in the beginning of next year monsoon.

7. Ashwagandha

Ashwagandha (<i>Withania somnifera</i>)	
English Name: Indian Winter Cherry	Family: Solanaceae



1. **Distribution:** - It is found throughout the drier parts in subtropical regions (upto Middle Himalayas) and upper Gangetic Plains up to altitude of 1200m. Ashwagandha is grown on sub-marginal wastelands, sandy loam or light red soil with good drainage.

2. **Flowering:** - December-January

3. **Fruit ripening:** March-April onwards

4. **Seed collection & Storage:** May onward and store in open dry conditions.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
5000 to 7000/kg	70-80%	7 to 10 days	70

6. **Seed pre-treatment:** Mechanical scarification of seeds to break seed dormancy. A light shower after sowing ensures good germination.

7. **Seed sowing:** Seeds can be directly sown in the poly-bags or raised nursery beds. When the seedlings are to be raised for transplanting, they should to be sown in well-prepared, raised nursery beds. The seeds are usually sown about 1-3 cm deep in June-July in nursery.

8. **Transplanting:** The seedlings after 25-35 days are transplanted in polybags after sprouting. After onset of monsoon, transplanting should be completed.

9. **Plantable seedling:** - Seedlings are ready for planting out in next monsoon season.

8. Bana

Bana, Shamalu (<i>Vitex negundo</i>)	
English Name: Chaste tree	Family: Verbenaceae

1. Distribution: Bana is an erect shrub or small tree growing from 6 to 10 feet in height. Found throughout the Lower Siwalik in Himachal, preferably grows in deep well drained loamy soils. It can be found up to an altitude of 1500 meters.

2. Flowering: June- July and December-January

3. Fruit ripening: It is preferably propagated through cuttings.

4. Seed collection & Storage: Cuttings can be prepared of this plant during July and December-January.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
40-50 Cuttings per Kg Seeds are very minute.	70-90%	-	50-60

6. Seed pre-treatment: Not required

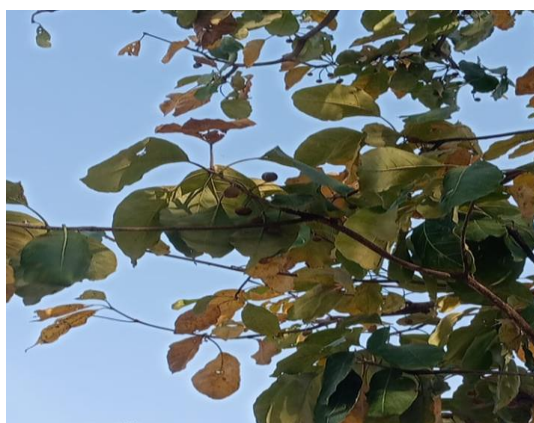
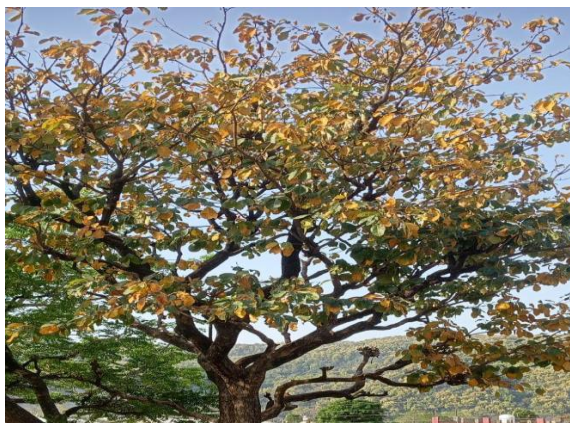
7. Seed sowing & transplanting: -February-March

1. Seeds are directly dibbled into polybags with soil, sand and vermi-compost.
2. Fresh seeds should be graded and large size seeds are sown in polybags at the rate of two seeds per bag.
3. Two leaf stage seedlings are transplanted into poly-bags.

8. Plantable seedling: - Cuttings may directly be planted at planting site or nursery raised cutting are planted out during next monsoon (July-August).

9. Baheda

Baheda (<i>Terminalia bellirica</i>)	
English Name: Belleric Myrobalan	Family: Combretaceae



1. Distribution: It is widely distributed across India and lower region of Himachal Pradesh, forming a part of deciduous forests upto an altitude of 1000 m. The tree is a common associate of Sal, Teak and other important trees of tropical moist and dry deciduous forests. It grows well in fertile alluvial soil.

2. Flowering: April to June

3. Fruit ripening: Fruits ripen from November to March

4. Seed collection & Storage: - Ripened fruits are collected from healthy trees or freshly fallen ones on the ground. Fruits are then de-pulped and the seeds dried in the sun before storage. Seeds can be stored for about a year.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
430-450 per kg (dried de-pulped seeds), 60-75 seeds/kg (with pulp)	60-65%	15-25 days	50-55

6. Seed pre-treatment: Seeds are soaked in water for 24 hours to increase germination percentage. Seeds may also be treated with concentrated sulphuric acid for 10 minutes before sowing for better results. The seeds may be heaped and watered twice a day. When the seeds begin to sprout, they are removed and sown/ dibbled in polybags.

7. Seed sowing: Pre-treated Bahera seeds are dibbled in polybags during the month of February-March in a mixture of soil, sand & vermicompost (1:1:1). Potting mixture must be watered twice a day in hot conditions. Shade should be provided depending on the intensity of sun light.

8. Transplanting: Root cutting, grading, re-setting of polybags seedlings are done at regular interval of about 30days. The polybags are kept in the nursery bed on polyethene sheets to prevent root penetration into soil.

12. Plantable seedling: Seedlings are ready for planting out in next June-July when they attain a height of about 50cm.

10. Bargad

Bargad (<i>Ficus bengalensis</i>)	
English Name: Banyan tree	Family: Moraceae



1. Distribution: It an indigenous Indian tree found in sub-tropical areas of Himachal Pradesh mostly near temple & villages. This species is a light demander and grows on a variety of soils.

2. Flowering: April-May

3. Fruit ripening: May-June

4. Seed collection & Storage: - Fruits become red when ripe containing minute seeds with low viability. Ripe fruits are collected during May - June, preferably from excreta of birds. The ripe fruits are collected, rubbed and dried in the sun for 2 to 3 days. These dried fruit parts are mixed with cowdung and cakes are prepared which are again dried in sunlight for 5-7 days as a method of pre-treatment. The dried cakes are made into powder and used for broadcast sowing.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
App.10,00,000 per kg	30 to 40 %	20 to 30 days	20 to 30

6. Seed Sowing: Cakes of ripe fruits with cow dungare sown in mother bed with mixture of soil sand and vermicompost (1:1:1). Watering is done carefully in a regulated manner to prevent washout, damping off & insect attack. Partial shade is provided to the germination bed in areas with hot climate.

7. Transplanting: Seedlings of 2 to 4 cm height are transplanted to polythene bags filled with soil mixture. Regular watering twice a day is followed. Root cutting, grading and re-setting of polybag seedlings are done in the nursery at regular interval of about 30 days. Shade is provided using green shade net in areas with hot climate.

8. Plantable seedling: Seedlings are fit for planting during next year monsoon.

11. Champa

Champa (<i>Michelia champaca</i>/<i>Magnolia champaca</i>)	
English Name: Champak	Family: Magnoliaceae

1. Distribution: It prefers humus-rich, fertile soil for its optimum growth. It is well suited for sandy loam soil and also occurs on moist deep, well drained, good quality soil. They grow well in hot and humid climate. Cultivated throughout Himachal in Bilaspur, Chamba (Bhatiat, Dalhousie), Hamripur, Kangra, Kinnaur, Mandi, Sirmaur, Solan upto an altitude of 1500 m.

2. Flowering: - January-February

3. Fruit ripening: - September -November

4. Seed collection & Storage: The mature fruits are spread on tarpaulin for about 4 days and allowed to split open to release the seeds. Seeds are viable upto 2 months at room temperature.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
/kg	26-30%	25 days	25

6. Seed pre-treatment: Soaking seeds in water for 24 hours improves the germination.

7. Seed sowing: - It requires full sun and regular watering. Trees propagated from seed take 8-10 years to flower whereas asexually propagated trees flower in 2-3 years.

8. Transplanting: -

9. Plantable seedling: - The most successful method of propagating is planting of one-year old seedlings at the break of the monsoon.

12. Chandan

Chandan (<i>Santalum album</i>)	
English Name: Indian Sandalwood	Family: Santalaceae

1. Distribution: Chandan is a small evergreen tree, a partial root parasite, attaining a height of 12- 13m. & girth of 1-2.4 m with slender druping as well as erect branching. The tree starts flowering at an early age of 2 to 3 years. Fruit is drupe, purplish when fully matured and single seeded. In Himachal, found in tracts of Bilaspur and Jwalamukhi, as well as Hamirpur. It grows well in properly-drained loamy soil & warm temperature.

2. Flowering: - May-June

3. Fruit ripening: - December- January

4. Seed collection & Storage: Ripened fruits are collected during January, soaked in water and rubbed vigorously to remove the soft pulp and seeds. Then they are sundried for a few days. Chandan can be propagated through cuttings of root-suckers as well.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
4000 to 5000 per kg	20 to 30%	40 to 60 days	10-15

6. Seed pre-treatment: - Due to *hard seed coat, seeds are treated with dipped in warm water for 3 days for softening, regular water change is necessary.*

7. Seed sowing: - Two types of seed beds are used to raise sandal seedlings: sunken and raised beds. Seed beds are formed with sand and soil in the ratio 3:1. Around 2.5 kg seed is spread uniformly over the bed, covered with straw, which should be removed when the leaves start appearing on the seedlings.

8. Transplanting: - When seedlings have reached 4-6 leaf stage they are transplanted to poly-bags along with a seed of "tur dal" (*Cajanus cajan*), the primary host for better growth of sandal. Seedlings are carefully removed from beds, roots should not be allowed to dry. Shade can be provided for a week immediately after transplantation. Watering is to be done once a day, but excess moisture is to be avoided. Host plants are to be pruned frequently, so that they do not over grow sandal and hamper its growth. Poly-bags should contain soil mixture of ratio 2:1:1 (Sand: Red earth: vermicompost).

9. Plantable seedling: - Plantable seedlings of about 30cm height can be raised in 6-8 months' time. A well-branched seedling with a brown stem is ideal for planting

13. Dadu

Dadu (<i>Punica granatum</i>)	
English Name: Wild Pomegranate	Family: Lythraceae

1. Distribution: It is a fruit bearing deciduous shrub/ small tree that grows between 5 to 10 m tall. Daru is believed to have originated long ago in Middle East. Today, pomegranate trees are found throughout the world except in temperate regions but they excel in sub-tropical regions. In North India it is mostly found between 600m to 2000m in Western and Eastern Himalayas.

2. Flowering: -March-April to June

3. Fruit ripening: - July-September

4. Seed collection & Storage: -Mature fruits should be directly harvested from trees and dried and cut open for seeds. Seeds must be then dried in sun and stored at a cool place in earthen pots.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
3500 to 4000/kg	70-80%	30 to 45 days	60-70

6. Seed pre-treatment: Seed should be dipped in water for 48 hours before sowing and hand rubbed so that pulp/ fleshy portion of the seed are removed. This will enhance as well as fasten the process of germination.

7. Seed sowing: Mainly sown during the month of January- February in poly-bags in a potting mixture of soil, sand &vermicompost (1:1:1). It can also be raised by stem cuttings but as the results through seed sowing is good so cuttings are not preferred.

8. Transplanting: -Plants in poly-bags are shifted from time to time (every 3 months) in nursery beds, so that roots do not get entangled in soil. Usually, a polyethene sheet is laid beneath poly-bags for avoiding root penetration to nursery beds.

9. Plantable seedling: - Plantable size for normal plant is usually attained in 1.5 years and for tall plants it takes about 2.5 years. Plantation must preferably be done during the month of July and August (onset of monsoon).

14. Gular

Gular (<i>Ficus glomerata</i>)	
English Name: Cluster Fig	Family: Moraceae

1. Distribution: Moderate-sized to large deciduous tree with a spreading crown. Found throughout India in moist localities along banks of streams, the sides of ravines and similar places. It is sometimes found gregariously found on rocky hill slopes and sporadically in Sal forests and mixed forest of various types.

2. Flowering: -January to April

3. Fruit ripening: - May to June

4. Seed collection & Storage: -The fruits are sub-globose, 1-1.5 in in diameter, red when ripe, found in large clusters on short leafless branches emerging from the trunk and main branches. Collection is done in June.The seeds lose viability very soon, so must be sown at the earliest.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
___ per Kg	10 to 15%	60-70 days	10

6. Seed pre-treatment: Seeds need to be sorted out by floating in water. Good seeds absorb water, swelling to twice their size.

7. Seed sowing: Seeds should preferably be sown in raised nursery beds as the germination capacity of figs is very low.

8. Transplanting: -The seedlings are pricked from nursery beds to Poly bags of size 5x9 inch during the month of July-August. The Poly bags should be kept under shade during heat till the arrival of monsoon. The plants should be watered and weeded regularly.

9. Plantable seedling: - One-year seedlings are planted during next year monsoon attaining a height of around 60 cm.

15. Harad

Harad (<i>Terminalia chebula</i>)	
English Name: Chebulic myrobalan	Family: Combretaceae



1. Distribution: - It is commonly found in mixed, dry and deciduous forests. It grows well in loose, well drained and fertile soil such as sandy loam & clayey loam.

2. Flowering: -Greenish, white flowers in spikes appear from April to June.

3. Fruit ripening: -Fruits ripen from December to February following year and fall.

4. Seed collection & Storage: -After removal of the fibrous pericarp, seeds are used for germination. Fresh and ripe fruits are collected from previously cleaned ground. The fruits are then de-pulped, dried under shade for 2-3 days and stored in gunny bags. Viability remains up to one year, however fresh seeds germinate better.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
150 to 180 per kg.	40 to 50 %	20 to 30 days	40 %

6. Seed pre-treatment: Pre-soaking in warm water for 24 hours. The seeds are mixed with cow dung heaped and watered twice a day. When the seeds begin to sprout they are removed and sown in poly-bags.

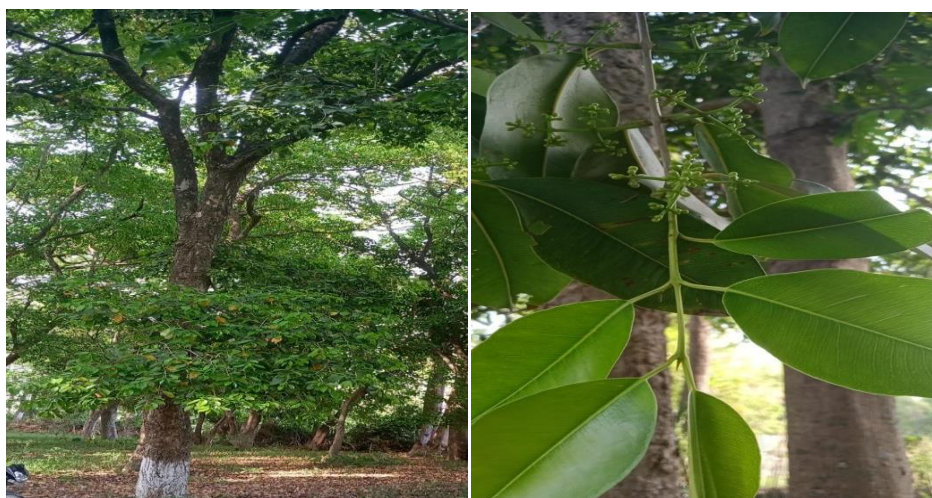
7. Seed sowing: -One or two healthy pre-treated seeds are dibbled in the center of poly-bags filled with soil mixture during March. Regular watering twice a day is followed. Root cutting, grading and re-setting of poly pot seedlings are done in the nursery at regular interval of about 30 days. The polybags are kept, in the nursery beds, on polythene sheet to prevent root penetration into the soil. Shade is provided using agro green shade net in areas with hot climate.

8. Transplanting: Root cutting, grading and re-setting of poly-bag seedlings are done in the nursery at regular interval of about 30 days.

9. Plantable seedling: -Seedlings are ready for planting out during next year monsoon.

16. Jamun

Jamun (<i>Syzygium cumini</i>)	
English Name: Black Plum	Family: Myrtaceae



1. Distribution: It is an evergreen tropical tree favored for its fruit, timber and ornamental value. It is native to the Indian subcontinent and found in plenty across Sivalik belt of Himachal Pradesh.

2. Flowering: Off-white fragrant flowers in trichotomous panicles appear in March–April.

3. Fruit ripening: Fruits (Drupes) ripen in June to August

4. Seed collection and Storage: Seeds are collected either from the ground or from the tree and then the pulp is washed from the seed, seed are dried under shade for 10 to 15 days.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
1000- 1100per kg	90 %	15 to 20 days	50

6. Seed Sowing: In June – July after drying, seed sowing done in nursery beds / polybags. Root-shoot cuttings are also preferable for raising in nurseries.

7. Transplanting: Seeds may also be sown during June–July in raised mother beds having soil mixture of soil, sand and vermicompost (1:2:1) preferably using sandy loam soil. Mulching with hay & overhead shade is to be provided to facilitate germination. Regular watering twice a day is to be followed. Seedlings can be transplanted from mother beds to poly-bag when 2 to 4 cm in height and maintained as stated above. Root cutting, grading, re-setting of Poly-bag seedlings are done at regular interval of about 30 days. The poly-bags are kept in the nursery bed on polythene sheet to prevent root penetration into soil.

8. Plantable seedling: Seedlings are ready for planting out during next year monsoon after attaining a height of around 60 cm. It is recommended to use poly-bags of size 5"x9" size.

17. Kanchan

Kanchan (<i>Bauhinia racemosa</i>)	
English Name: Bidi Leaf tree	Family: Leguminosae (Caesalpinioideae)

- 1. Distribution:** The tree is found throughout the greater parts of India from Ravi eastwards to West Bengal. It frequently occurs in the grassy blanks and open places. A short-crooked tree with persistent fruit in the cold season, common in all forests, frequently found in villages.
- 2. Flowering:** March to June
- 3. Fruit ripening:** Pods ripen in November –December and remain on the tree for several months, falling towards the end of the summer season.
- 4. Seed collection and storage:** Ripe pods are plucked off the tree in January to March, dried in the sun, beaten with a wooden mallet to release the seeds which are cleaned and stored. Seeds can be stored for one year. Seeds are stored at room temperature. Seed viability: 1-2 years.

5. Seed Biology:

Seed weight (No of seeds per Kg)	Germination Percentage	Germination Period	Plant Percent
6440- 7900 per kg	60 -90	4-10 days	25-70

- 6. Seed Pre-treatment:** Boiling water treatment or soaking in cold water for 24 hours.

7. **Seed sowing:** Seeds are sown in April – May and covered with a fine soil to a depth of 5-6 mm.
8. **Transplanting:** Roots are sensitive to transplanting and therefore, handled with utmost care.
9. **Plantable seedlings:** Nursery raised entire plants are planted out with ball of earth in pits in monsoon. 12 to 15-month-old plants are suitable for stump planting.

18. Kaphal

Kaphal (<i>Myrica esculenta</i>)	
English Name: Bayberry, Box myrtle	Family: Myricaceae

1. Distribution: - This species is native to India and is found in Himachal Pradesh, Uttarakhand and North Eastern India in between 900-2100 m above the sea level.

2. Flowering: - February to March

3. Fruit ripening: - April to May

4. Seed collection & Storage: - April to May

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
3500- 4000 seeds/kg	25-30%	60 days	10 - 20

6. Seed pre-treatment: - Seed soaking in 5 to 10% sulphuric acid for 10 minutes so that the hard seed coat softens for germination. Mechanical scarification can be done from the open pore side of the seed (micropyle), before soaking in hot water for 48 to 72 hours to increase germination.

7. Seed sowing: July-August

8. Transplanting: - Once the seeds are germinated in mother beds, seedlings are then pricked to Poly-bags after 6 months, with a mixture of soil, sand & FYM (1:1:1). Pricking of root suckers from previously identified male or female trees after onset of monsoon season in Poly-bags can also be tried.

9. Plantable seedling: 2 years old seedlings are ready for planting out.

19. Kathal

Kathal (<i>Artocarpus heterophyllus</i>)	
English Name: Jack fruit tree	Family: Moraceae



1. Distribution: - A large semi-evergreen tree with spreading crown found in deep moist and well-drained soils. Occurs widely in plain areas of Shivalik, Himachal Pradesh. Found close to human habitation due to high consumption.

2. Flowering: - Light green flowers appear in December to February.

3. Fruit ripening: - June-August.

4. Seed collection & Storage: - Seeds are embedded in a sweet pulp. Ripe fruits are collected from the trees, de-pulped, cleaned and dried in the sun for a day or two and stored in gunny bags in cool and dry place. Seeds do not retain viability for long period.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
100-150 seeds/kg	60-70%	15-30 days	50

6. Seed pre-treatment: - Not required owing to the soft coating.

7. Seed sowing: - 2- 3 healthy seeds are dibbled in the centre of poly-bags filled with soil mixture during July. Mulching is provided to facilitate germination. Regular watering twice a day is to be followed. Root cutting, grading and re-setting of seedlings are done in the nursery at regular interval of about 30 days. The poly-bags are kept in the nursery beds, on polythene sheet to prevent root

penetration into the soil. Shade is provided preferably using agro green shade net in areas with hot climate.

8. Plantable seedling: - Poly-bag seedlings are suitable for planting during the following year monsoon after the seedling height reaches at least 60 cm.

20. Kharpat

Kharpat/Kakad (<i>Garuga pinnata</i>)	
English Name: Garuga	Family: Burseraceae

1. Distribution: Deciduous trees, to 25 m high, bark grey or brown, found in Ambala and Siwaliks of Punjab, Sirmaur and Himalayan foothills and eastwards in Assam upto an altitude of 1050 m.

2. Flowering: The flower buds appear at the ends of the branches in February or March and in March – April the leafless trees are conspicuous with feathery masses of greenish white flowers.

3. Fruit ripening: Fruits become full sized by June but are not ripe while July and August and do not fall until September.

4. Seed collection and storage: The ripe fruits should be collected about July and they do not fall until September. The fruit is a globose drupe, yellowish green when ripe, and contains 2-4 extremely hard stones.

5. Seed Pre-treatment: Mechanical scarification can be done to enhance germination. Hard seed coat can be treated by rubbing with sand paper, nail clipping and immersion in water and Sulphuric acid.

6. Seed sowing: Ripe fruits collected about July are placed in drills in seed beds, very lightly covered with earth and regularly watered during dry season. Most of the seeds will germinate early in the rains of the following year.

7. Transplanting: The seedlings can be transplanted without difficulty about six weeks to two months after germination, when they are about 10 to 12 cm in height. Transplanting, however checks growth and better development is obtained by direct sowing.

8. Plantable seedlings: One-year old seedlings are planted in next monsoon season.

21. Maharukh

Maharukh (<i>Ailanthus excelsa</i>)	
English Name: Tree of Heaven	Family: Simaroubaceae

1. Distribution: Found across Bihar, Gujarat, Madhya Pradesh, and in Himachal Pradesh across Bilaspur and Sirmaur upto an altitude of 1800 m. Trees grow upto 25 m height.

2. Flowering: January-March

3. Fruit ripening: March onwards

4. Seed collection & Storage: March – June. Seed viability is barely six months; should be used fresh as far as possible.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
10000 per kg	10-15 %	15 days	10

6. Seed pre-treatment: Germination can be improved by removing the wrap on the seeds via light mechanical scarification.

7. Seed sowing & transplanting: - Fresh seeds are sown in May - June in light and porous soil, in raised beds with good drainage. Regulated watering is necessary as excessive water produces damping off diseases. Regular weeding is essential. Lack of weeding leads to large scale mortality. The seedlings attain 15-23 cm in first growing season (inadequate).

8. Plantable seedling: - Seedlings can be planted out in monsoon season of the following year.

22. Mahua

Mahua (<i>Madhuca longifolia</i>)	
English Name: Butter/Honey tree	Family: Sapotaceae



1. Distribution: - Tropical tree, found in moist & dry mixed deciduous forests of the state. Recommended for plantation in sandy soil but also grows in shallow & boulder soil.

2. Flowering: - Green colored scented flowers appear in March to May.

3. Fruit ripening: - July to September

4. Seed collection & Storage: - Ripe fruits (Drupes) are collected by shaking the branches and the seeds are separated from fruits and then dried out. Oily seeds lose viability early on storage.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
500 to 600 per kg	20 to 30 %	10 to 20 days	15

6. Seed pre-treatment: Not necessary

7. Seed sowing: 1-2 healthy seeds are dibbled in the center of poly-bags filled with soil mixture during July-August. Regular watering, twice a day, is followed. Root cutting, grading and re-setting of seedlings are done in the nursery at regular interval of about 30 days. The poly-bags are kept, in the nursery

beds, on polythene sheet to prevent root penetration into the soil. Root-shoot cuttings are also preferable for raising in nurseries.

8. Transplanting: Seeds can also be sown during June-July in raised mother beds having mixture of soil, sand and vermicompost (1:1:1). Mulching with hay & overhead shade is provided to facilitate germination. One-month old seedlings are transplanted from mother beds to Poly-bags when 2-4 cm in height.

9. Plantable seedling: - Growth of seedlings is slow at nursery stage for which seedlings are planted during monsoon of the following year after attaining height of 50 - 60 cm.

23. Neeli Gulmohar

Neeli Gulmohar (<i>Jacaranda mimosifolia</i>)	
English Name: Jacaranda/Fern tree	Family: Bignoniaceae

1. Distribution: Deciduous tree, 6–12 m tall. It creates a diffused shade. Blue Jacaranda can be grown in almost every region of India including Lower Shivalik belt. It is known for utility in avenue plantations with mauve/ light blue flowers.

2. Flowering: April - June

3. Fruit ripening: July - October

4. Seed collection & Storage: November –December. Viability is for 3 months.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
2500 per kg	60 %	10-15 days	55

6. Seed pre-treatment: Pods are dried and seed are extracted. Seeds are soaked in cold water for 24 hours.

7. Seed sowing: Sowing is to be done in raised mother beds in nursery. Germinated seedlings are then pricked out and transplanted in polythene bags with soil mixture of 1:1:1 (sand, soil and vermicompost).

8. Plantable seedling: Seedlings attain 6 feet in 8 months and can be planted out in next monsoon season of the following year.

24. Neem

Neem (<i>Azadirachta indica</i>)	
English Name: Margosa tree	Family: Meliaceae



1. Distribution: It grows on a variety of soils from sandy to clayey and black cotton soil. Commonly found in dry area with well-drained soil.

2. Flowering: April to May

3. Fruit ripening: June to August

4. Seed collection & Storage: -Ripe fruits are collected from the trees are swept from the floor under the trees. The pulp is washed up and seeds collected are dried in shade & used soon as viability is lost within 2 weeks.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
2,000 to 3,000 per kg	70-90 %	10 to 20 days	40-50

6. Seed pre-treatment: -Pre-soaking in normal temperate water for 24 hours is done.

7. Seed sowing: Line sowing of seeds mixed with ash is done during June-July on raised beds with a bottom layer (8 cm to 10 cm) of mixture of soil, sand and vermicompost in a proportion of 1:1:1 covered with a fine layer (2 cm) of sand. Regulated watering is done. Partial shade is provided to the germination bed in areas with hot climate.

8. Transplanting: Seedlings of 4 to 5 cm height are transplanted to poly-bags. Regular watering twice a day is to be followed. Root cutting, grading and re-setting of poly-bags seedlings are done in the nursery at regular interval of about 30 days. The poly-bags are kept in nursery beds, on polythene sheet to prevent root penetration into the soil. Shade is provided using green shade net in areas with hot climate.

9. Plantable seedling: Poly-bag seedlings of one year old are suitable for planting during the following year monsoon after the seedling height reaches at least 60 cm.

25. Peepal

Peepal (<i>Ficus religiosa</i>)	
English Name: Sacred Fig	Family: Moraceae



1. Distribution: It is a large dry season-deciduous or semi-evergreen tree and found in foothills of Himalayas across Northern India. High religious significance leads to its presence in sacred groves/religious spaces.

2. Flowering: - January-February

3. Fruit ripening: - April- May

4. Seed collection & Storage: Ripen fruits are collected during rainy season. The figs always grow in pairs. The new leaves appear in the month of April. Viability remains up to one year.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
Very high per kg	20-30%	30 to 40 days	10-20

6. Seed pre-treatment: - Pre-soaking in warm water for 24 hours. The seeds are heaped and watered twice a day.

7. Seed sowing: - Freshly treated seeds are dibbled in polythene bags during March-April in mixture having sand, soil and vermicompost (1:1:1).

- 8. Transplanting:** Root shoot cutting can be prepared after obtaining seedlings from forest areas.
- 9. Plant able seedling:** - One-year seedlings are planted during next year monsoon after attaining a height of around 60 cm.

26. Ritha

Ritha (<i>Sapindus mukorossi</i>)	
English Name: Soap Nut Tree	Family: Sapindaceae

- 1. Distribution:** The tree is native to China and Japan and much cultivated in North India, in moister tract along the foot hills of Himalayas from River Ravi eastward up to 1500 m.
- 2. Flowering:** May- June
- 3. Fruit ripening:** November - December
- 4. Seed collection and Storage:** Seeds are collected either from the ground or from the tree during November to January; the outer skin is peeled off from the seeds, which are then dried for 10 to 15 days.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
770 – 840 per Kg.	90%	10 to 30 days	60

- 6. Pre-treatment of seed:** Pre-soaking of Ritha seed in cold water for 24hrs or buried in cow dung for 2-3 days and then direct sowing in poly-bags.
- 7. Seed Sowing:** March – April. Direct sowing in polybags is done, and also sowing in nursery beds followed by pricking to poly-bags after 2 weeks.
- 8. Transplanting:** Root cutting, grading, re setting of polybag seedlings are done at regular interval of about 30 days. The poly-bags are kept in the nursery bed on polythene sheet to prevent root penetration into soil. 4 to 5inch seedling may be pricked in polybags.
- 9. Plant able seedling:** Seedling reaches plant able size in 1.5 years for normal planting and in 2.5 years for tall planting.

27. Rudraksh

Rudraksh (<i>Elaeocarpus angustifolius/ganitrus</i>)	
English Name: Utrasum bean tree	Family: Elaeocarpaceae

1. Distribution: It is a tall evergreen tree with a large spreading crown and a clean bole of 12 to 15 m length. Bark fairly smooth and greyish. It is found up to 800 m in evergreen forests of North East India. It also grows in the Gangetic plains as well as the foothills of the Himalayas of Uttarakhand and Himachal, seed stones have high religious significance associated with Lord Shiva.

2. Flowering: - White flowers appear in April - June

3. Fruit ripening: - August-October. Fruit - drupe, usually 3-5 celled, deep blue at maturity, succulent. Birds eat fruit pulp.

4. Seed collection & Storage: Seeds are extracted by soaking the fruits in water; pulp is removed by macerating and washing of fruits. Clean seeds are dried in shade for 2 to 5 days. The seeds are covered by a very hard, round stone (nut). Each stone has generally 3 to 6 viable seeds. Seed viability is for almost 100 days.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
450/kg	40-45%	45-100 days	35

6. Seed pre-treatment: Scarification using sulphuric acid for 15 minutes or mechanical Scarification by hammer. Cleaned stones (seeds) are then washed in tap water three to four times and then soaked in lukewarm water (40°C) for 48 hours.

7. Seed sowing: - Seeds are sown in shaded mother beds at a depth of 1.0 to 1.5 cm. The hard seed coat can also be cracked by hammer but care should be taken to cause minimum damage to the seed. The stone pieces having intact seeds are sown in beds which results in early and better germination. Sowing in shaded mother bed is more fruitful because it takes quite long time to germinate.

8. Transplanting: - Seedlings are transplanted in polythene bags at 2-3 leaves stage with sufficient watering.

9. Plantable seedling: - After 8 months of germination seedlings become ready to plant in field

28. Safed Kikar

Safed Kikar (<i>Acacia leucophloea</i>)	
English Name: White Barked Acacia	Family: Leguminosae

1. Distribution: The tree is found scattered in the dry regions of India from dry Shivalik hills of Punjab, Haryana and Himachal Pradesh. It occurs in Tropical dry deciduous forests, Tropical thorn forests and Tropical dry evergreen forests

2. Flowering: Yellowish white flowers appear from July to November.

3. Fruit ripening: Pods ripen from April to June or earlier in some localities.

4. Seed collection and storage: The tree produces seed abundantly every year. Pods ripen in North India from April to May. The ripe pods are beaten off the trees, spread in the sun for drying and seed extracted by beating with wooden mallets. The clean seeds free of husk and other impurities are stored in gunny bags. The seeds are stored at room temperature. Seed viability: One year.

5. Seed Biology:

Seed weight (No of seeds per Kg)	Germination Percentage	Germination Period	Plant Percent
37,000 to 49,390	42	8-27 days	30

6. Seed pre-treatment: owing to hard seed coat, pre-treatment is necessary to obtain uniform and quick germination. Soaking in concentrated Sulphuric acid for 10- 30 minutes and removing the acid by rinsing in cold water improves the germination capacity. Other method is by cutting the outer skin of the seed with a sharp knife, leaving an opening for the moisture to penetrate.

7. Seed sowing: Seedlings are raised in polythene bags by sowing the treated seeds about 1.5 cms deep in April-May. Excess watering is avoided after 2 months. Shade is provided to avoid surface cracking.

8. Plantable seedling: Young seedlings stand planting fairly well in the first rainy season. The species is suitable for afforesting low rainfall areas, where other species generally fail.

29. Sagwan

Sagwan (<i>Tectona grandis</i>)	
English Name: Teak	Family: Verbinaceae

1. Distribution: It is indigenous to many parts of India including Maharastra, Kerala, Tamil Nadu, Madhya Pradesh and some parts of Odisha. It grows in slightly alkaline soil and prefers well drained loamy soil.

2. Flowering: - White flowers, in panicles, appear during September-October.

3. Fruit ripening: - Fruits ripe during November-January.

4. Seed collection & Storage: Ripe fruits are collected from the ground below the tree, cleaned, and dried in the Sun for 2- 3 days and stored in gunny bags in a cool and dry place. Seeds remain viable for one or two years. But a freshly collected seed gives better germination percentage. Each fruit contains two to three seeds enclosed in a flattened bladder like calyx.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
1,500 to 2,500 per kg	20 to 30%	20 to 30 days	10 to 20

6. Seed pre-treatment: Different methods of pre-treatment are followed. Common method is alternate drying and soaking for 21 days. Seeds are also pre-treated by mixing with a paste of cow dung in a pit followed by regulated watering for a few days.

7. Seed sowing & transplanting: Pre-treated seeds are sown in lines (10cm apart) during March-April in raised nursery beds.

8. Plantable seedling: - Pre-sprouted stumps, raised in polybags, are suitable for planting during July. Seedlings are ready for normal planting in 1.5 year and for tall planting in 2.5 years.

30. Sahjan

Sahjan (<i>Moringa oliefera</i>)	
English Name: Drumstick tree	Family: <i>Moringaceae</i>



1. Distribution: - Moderate sized tree, indigenous in the sub-Himalayan tract, growing plentifully on new alluvial land in or near sandy/shingly beds of rivers and streams.

2. Flowering: -The fragrant, white flowers, in numerous panicles near the ends of the branches, appear from January to March.

3. Fruit ripening: -March-April

4. Seed collection & Storage: -The fruit is a pendulous ribbed pod-like capsule, 9-20 cm long, with numerous three-cornered seeds winged at the angles. Pods are collected in the months of April end-May and are dried in sun, thrashed and winnowed to separate. The clean seeds are kept in air tight container. Seeds lose viability considerably during first year of storage.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
8000-9000 per Kg.	60-70%	10 to 15 days	65

9. Seed pre-treatment: - Seeds are dried in sunlight for a day & soaked in water overnight.

10. Seed sowing: Seeds are sown in 5'x9' poly bags during March-April.

11. Transplanting: Seedlings are shifted from one place to other in nursery beds (every 3 months) and are graded according to size and health of the plants. Polyethene sheets are kept below poly-bags so that roots do not go beyond poly-bags.

12. Plantable seedling: Seedlings are fit for planting during the following year in the month of July (1.5-year-old seedlings).

31. Sain

Sain (<i>Terminalia tomentosa</i>)	
English Name: Indian Laurel Tree/Silver greywood	Family: Combretaceae

1. Distribution: It is a broad leafy deciduous plant of large size. Found in Sal forests as associates, grows well on fresh soil along river banks. The leaves fall in January – February and new leaves appear in June. It is mostly suitable for moist and dry deciduous forests. As the tree stands bare during winter (November to February), it can only be identified by its scissored and cracked bark and for this reason is sometimes known as crocodile bark tree.

2. Flowering: - February-March

3. Fruit ripening: - April-May

4. Seed collection & Storage: - Seeds are collected from the ground and dried in the sun for three to four days. Seedlings are collected in November and December.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
400-600 per Kg	40-70%	15 to 25 days	40

6. Seed pre-treatment: The seeds are soaked in cold water for 24 hours for better germination.

7. Seed sowing & transplanting: The seed are sown in April-May in Polythene bags sizes of 5"x9" of soil: sand: vermicompost mix of 1:1:1.

8. Plantable seedling: - One-year seedlings are planted during next year monsoon attaining a height of around 60 cm.

32. Sal

Sal (<i>Shorea robusta</i>)	
English Name: Sal tree	Family: Dipterocarpaceae



1. Distribution: -Found in a wide range of climate: Temperature range tolerance from 34-47 degree centigrade & rainfall range from 1000mm to 1800 mm. As regarding topography, it is found stunted on the ridges, grows best on the lower slopes / valleys where the soil is deep, moist and fertile. The most favorable soil for this is well- drained, moist deep sandy loam with good sub-soil drainage. In Himachal Pradesh, Paonta Sal forests are restricted to Bhabar region of Nahan Forest Circle.

2. Flowering: - April-May

3. Fruit ripening: - June-July

4. Seed collection & Storage: -The fruits fall as soon as they are ripe. Sound fresh seeds have a high percentage of fertility, but the seeds rapidly lose vitality, thus no storage done. Trees of girth size around 120 cm and 12m. in height have been found to produce abundant seedlings. Coppice crop also is found to produce fertile seeds.

5. Seed Biology (*for a normal seed year of Sal)

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
500-1000* per kg	50-60%	5 to 10 days	40

6. Seed pre-treatment: -No pre-treatment required.

7. Seed sowing: - Due to very short viability, freshly collected seeds are dibbled in polythene bags during June-July. Soil from the seeding area is most ideal as required *Mycorrhiza* would be available. Regular watering is required. Root cutting, grading and re-setting of poly-bag seedlings are done in the nursery at regular interval of 30 days. Polythene sheet on nursery bed is used to prevent root penetration into soil. Shade is provided using agro-green shade net in warmer areas.

8. Plant able seedling: Seedlings are fit for planting in the following monsoon. However, owing to the dying-back phenomenon in Sal, survival will have to be monitored for a very long period of time.

33. Sandan

Sandan (<i>Ougeinia oojeinensis</i>)	
English Name: Sandan	Family: Leguminosae (Pipilionioideae)

1. Distribution: This tree grows in dry sub tropical areas and its native range is Western Himalaya to Western Nepal and India. It is recommended for plantation on land slips, river banks and other exposed places. It is a good coppice and produces abundant root suckers.

2. Flowering: Liliac or pink coloured flowers appear from February-March to May.

3. Fruit ripening: Pods ripen in May to June.

4. Seed Collection and Storage: Fruits are collected off the trees in May to June, dried in the sun, broken into one-seeded segments and stored for use. Since the seeds do not store well, fresh seeds should be utilized. Seeds are stored at room temperature. Seed viability is less than one month.

5. Seed Biology:

Seed weight (No of seeds per Kg)	Germination Percentage	Germination Period	Plant Percent
28,200 to 33,200	40- 80	10-30 days	25

6. Seed Pre-treatment: Theseeds are soaked for 24 hours in cold water.

7. Seed sowing: Seeds are sown in poly bags (because of very fast growth of root and seedlings are sensitive to root damage) in May to June with polythene sheets beneath to control rooting.

8. Plantable seedlings: Seedlings get ready for plantation after one year and are planted in the monsoon season.

34. Shatavari

Shatavari (<i>Asparagus racemosus</i>)	
English Name: Asparagus plant	Family: Asparagaceae

1. Distribution: Shatavari is found commonly throughout tropical and subtropical regions, particularly central India. It is also found up to an altitude of 1500m in sub-tropical Himalayas including Himachal Pradesh.

2. Flowering: -December- January

3. Fruit ripening: - March to May (when the color changes from red to black)

4. Seed collection & Storage: - Seeds may be collected between March to May and stored in earthen pots. Crown rhizomes can also be used for propagation.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
4000-5000 per Kg	60-70%	20-30 days	70- 80

6. Seed pre-treatment: To protect crop from soil borne disease and pest, before sowing do seed treatment by soaking seeds in cow urine for 24 hours. After treatment seeds are sown in nursery beds.

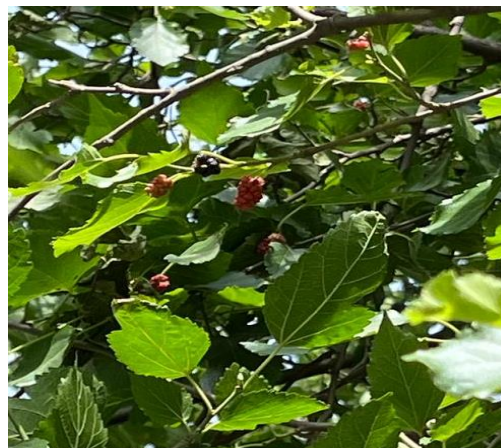
7. Seed sowing & transplanting: Seeds are sown in the month of June in well-prepared and raised nursery beds containing good amount of vermicompost. After sowing, cover beds are covered with shade-nets to retain moisture. Seedling germination starts within 8-10 days.

8. Transplanting: -Transplanting of seedlings should be done in the month of June - July. Seedlings are ready for transplanting when they attain the height of 45cm.

9. Plantable seedling: - One-year seedlings are planted during next year monsoon attaining a height of around 60 cm.

35. Shehtoot

Shehtoot (<i>Morus alba</i>)	
English Name: Mulberry	Family: Moraceae



1. Distribution: Found across lower Himachal from the plains upto a considerable elevation in the middle Himalayas

2. Flowering: December-February

3. Fruit ripening: March to May

4. Seed collection & Storage: Fruits should be collected when thoroughly ripe in May-June and kneaded in several successive washings of water to separate the seeds and the latter should then be spread out at once to dry in the shed.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
4,50,000 per kg	10 to 20 %	30-45 days	7-10

6. Seed pre-treatment: Stratification of seeds in moist sand at about 50 degree centigrade for about 30 to 90 days.

7. Transplanting: The seedlings are transplanted in cold season or early in the following rainy season, before transplanting the lower branches should be pruned off and the upper branches stripped of all but one or two terminal leaves. Root-shoot cuttings are also preferable for raising in nurseries.

8. Plantable seedling: Seedlings are fit for planting during the following year in the monsoon season with approximately 60 cm height.

36. Tat Patanga

Tat Patanga/Shyonak (<i>Oroxylum indicum</i>)	
English Name: Indian Trumpet Flower	Family: Bignoniaceae



1. Distribution: It is a broadleaf, deciduous, medium size tree. Found in Lower Siwalik Hills, grows well along river banks. The leaves fall in January – February and new leaves appear in June. The beautiful flower-like seeds of Tat-patanga adorn the traditional Kinnauri caps as an accessory (*Arlu*). The tradition of graziers coming from Kinnaur belt in summers towards the Lower Shivalik regions led to this cultural exchange between the two geographically divergent landscapes.

2. Flowering: June- August.

3. Fruit ripening: - November- February

4. Seed collection & Storage: Seeds are collected in January to March. The seeds are contained in large sword-shaped pods. The beans are to be plucked from the tree and dried. After drying the beans, seed extraction is easy. The seed is also very light.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
6000-7000 per kg	70-80%	10 to 20 days	70

6. Seed pre-treatment: No specific treatment is required.

7. Seed sowing: - Seed storage is done in earthen pot or plastic bottles. Seed sowing can be directly done from there in poly-bags under sufficient sunlight.

8. Transplanting: Seedlings need to be shifted every three months in order to avoid excessive rooting.

9. Plantable seedling: - One-year seedlings are planted during following year monsoon after attaining a height of around 60 cm.

37. Timru

Timru (<i>Zanthoxylum armatum</i>)	
English Name: Winged Prickly Ash	Family: Rutaceae

1. Distribution: The species is found in warmer valleys of subtropical Himalayas, from trans- Indus areas to Bhutan, up to an altitude of 2400 m.

2. Flowering: -March-May

3. Fruit ripening: - July-August

4. Seed collection & Storage: -August seed collection. Seed viability period is low so direct sowing is done at the earliest.

5. Seed Biology:

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
/kg	60-70 %	20-30 days	60

6. Seed pre-treatment: Seeds are washed in lukewarm water for 2 hours.

7. Seed sowing: The seeds are sown in August– September in polybags. Stem cuttings may also be planted in the nursery during monsoon in July–August. The seeds germinate in 20–30 days after sowing.

8. Plantable seedling: - The seedlings attain a height of 20–30 cm by June–July of following year, when they can be planted out.

38. Toon

Toon (<i>Toona ciliata</i>)	
English Name: Indian Mahogany	Family: Meliaceae



1. Distribution: - Toon originates from tropical Asia. In India, it is found throughout the Sub-Himalayan tract and valleys of outer Himalayas from J&K, Himachal Pradesh eastwards to Khasi hills, West Bengal and valleys of Eastern Ghats.

2. Flowering: March-May

3. Fruit ripening: June-July

4. Seed collection & Storage: Seeds are collected from trees during June-August. Fruits are dried in sun for 3-4 days, rubbed and beaten to separate seeds. Seeds must be stored in air tight containers.

5. Seed Biology

Seed weight (No. of seeds per kg)	Germination percentage	Germination period	Plant percent
30000-380000 /kg	70-80%	7 to 14 days	70

6. Seed pre-treatment: - No treatment required.

7. Seed sowing: June-July. Root-shoot cuttings are also preferable for raising in nurseries.

8. Transplanting: Done in July-August. Root cutting, grading, re-setting of poly-bag seedlings are done at regular intervals of about 60-75 days.

9. Plantable seedling: 1-year old seedling is ready for normal planting out in next monsoon season.