

Village- Mahuas, Thana no.
District- Hazaribagh

Details Based On Sample Plot:

Sample Area Details (in 72425 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees:			3760	
Sl.	Tree	Total	% of trees	7521
1	Aitha	1	0.03	2
2	Anjan	3	0.08	6
3	Anwala	5	0.13	10
4	Arari	41	1.09	82
5	Asan	141	3.75	282
6	Bahera	90	2.39	180
7	Bandarlor	10	0.27	20
8	Bel	94	2.50	188
9	Belaunjan	24	0.64	48
10	Benhacha	9	0.24	18
11	Bhelwa	49	1.30	98
12	Bhurkund	5	0.13	10
13	Charakidhaman	3	0.08	6
14	Chiraila	2	0.05	4
15	Dhaman	3	0.08	6
16	Dhautha	2	0.05	4
17	Dhela	19	0.51	38
18	Dhodkhair	6	0.16	12
19	Dudher	2	0.05	4
20	Galgai	8	0.21	16
21	Ghato	1	0.03	2
22	Ghuthi	42	1.12	84
23	Gut	4	0.11	8
24	Hadhad	58	1.54	116
25	Harre	1	0.03	2
26	Jamun	43	1.14	86
27	Jamutha	1	0.03	2
28	Kahua	3	0.08	6
29	Kaj	36	0.96	72
30	Kanauda	10	0.27	20
31	Kaner	6	0.16	12
32	Karhar	1	0.03	2
33	Kari	17	0.45	34
34	Katmohali	27	0.72	54
35	Kendu	284	7.55	568
36	Kenkad	15	0.40	30
37	Keonjhi	2	0.05	4
38	Khair	59	1.57	118
39	Khota	14	0.37	28
40	Koraiya	25	0.66	50
41	Kusum	15	0.40	30
42	Mahua	9	0.24	18
43	Masaundha	59	1.57	118
44	Mauna	10	0.27	20
45	Pader	4	0.11	8
46	Paisar	26	0.69	52
47	Palash	5	0.13	10
48	Pamun	1	0.03	2
49	Pandan	6	0.16	12
50	Paprot	10	0.27	20

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Corporation of India Ltd.
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KOLKATA

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Sample Area Details (In 72425 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees: 3760				
Sl.	Tree	Total	% of trees	7521
51	Parami	297	7.90	594
52	Pari	1	0.03	2
53	Peyar	287	7.63	574
54	Pipal	1	0.03	2
55	Ratangur	5	0.13	10
56	Sakhu	1428	37.98	2856
57	Salai	27	0.72	54
58	Samsihor	35	0.93	70
59	Sarhar	1	0.03	2
60	Saya	47	1.25	94
61	Semar	14	0.37	28
62	Sidha	58	1.54	116
63	Sipati	1	0.03	2
64	Sisam	2	0.05	4
65	Teur	245	6.52	490
	Total	3760	100.00	7521




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Village- Mahuas, Thana no.
District- Hazaribagh

Trees Summary Details Based On Sample Plot:

Girth Classification & Their Percentage For Sample plots Girth range (in cm)											
Sl.	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151-above	%
1	Aitha	1	100	0	0	0	0	0	0	0	0
2	Anjan	2	66.67	1	33.33	0	0	0	0	0	0
3	Anwala	4	80	1	20	0	0	0	0	0	0
4	Arari	40	97.56	1	2.44	0	0	0	0	0	0
5	Asan	109	77.30	24	17.02	6	4.26	2	1.42	0	0
6	Bahera	71	78.89	13	14.44	5	5.56	0	0	1	1.11
7	Bandarlor	10	100	0	0	0	0.00	0	0	0	0
8	Bel	91	96.81	3	3.19	0	0	0	0	0	0
9	Belaunjan	24	100	0	0	0	0	0	0	0	0
10	Benhacha	9	100	0	0	0	0	0	0	0	0
11	Bhelwa	46	93.88	3	6.12	0	0	0	0	0	0
12	Bhurkund	3	60	0	0.00	2	40	0	0	0	0
13	harakidham	3	100	0	0	0	0	0	0	0	0
14	Chiraila	2	100	0	0	0	0	0	0	0	0
15	Dhaman	3	100	0	0	0	0	0	0	0	0
16	Dhautha	2	100	0	0	0	0	0	0	0	0
17	Dhela	19	100	0	0	0	0	0	0	0	0
18	Dhodkhair	5	83.33	1	16.67	0	0	0	0	0	0
19	Dudher	2	100	0	0	0	0	0	0	0	0
20	Galgai	7	87.5	1	12.5	0	0	0	0	0	0
21	Ghato	1	100	0	0	0	0	0	0	0	0
22	Ghuthi	41	97.62	1	2.38	0	0	0	0	0	0
23	Gut	4	100	0	0	0	0	0	0	0	0
24	Hadhad	47	81.03	11	18.97	0	0	0	0	0	0
25	Harre	1	100	0	0.00	0	0	0	0	0	0
26	Jamun	34	79.07	8	18.60	1	2.33	0	0	0	0
27	Jamutha	1	100	0	0	0	0	0	0	0	0
28	Kahua	1	33.33	1	33.33	1	33.33	0	0	0	0
29	Kaj	34	94.44	1	2.78	1	2.78	0	0	0	0
30	Kanauda	10	100	0	0	0	0	0	0	0	0
31	Kaner	6	100	0	0	0	0	0	0	0	0
32	Karhar	1	100	0	0	0	0	0	0	0	0
33	Kari	16	94.12	1	5.88	0	0	0	0	0	0
34	Katmohali	25	92.59	2	7.41	0	0	0	0	0	0
35	Kendu	283	99.65	1	0.35	0	0	0	0	0	0
36	Kenkad	10	66.67	4	26.67	1	6.67	0	0	0	0
37	Keonjhi	2	100	0	0	0	0	0	0	0	0
38	Khair	58	98.31	1	1.69	0	0	0	0	0	0
39	Khota	14	100	0	0	0	0	0	0	0	0
40	Koraiya	24	96	1	4	0	0	0	0	0	0
41	Kusum	14	93.33	1	6.67	0	0	0	0	0	0
42	Mahua	7	77.78	1	11.11	1	11.11	0	0	0	0
43	Masaundha	59	100	0	0	0	0	0	0	0	0
44	Mauna	9	90	1	10	0	0	0	0	0	0
45	Pader	4	100	0	0	0	0	0	0	0	0
46	Paisar	23	88.46	3	11.54	0	0	0	0	0	0
47	Palash	3	60	0	0	1	20	1	20	0	0
48	Pamun	0	0	1	100	0	0	0	0	0	0
49	Pandan	6	100	0	0	0	0	0	0	0	0
50	Paprot	9	90	1	10	0	0	0	0	0	0

Girth Classification & Their Percentage For Sample plots											
Girth range (in cm)											
Sl.	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151-above	%
51	Parami	237	79.80	53	17.85	6	2.02	1	0.34	0	0
52	Pari	1	100	0	0	0	0	0	0	0	0
53	Peyar	271	94.43	15	5.23	1	0.35	0	0	0	0
54	Pipal	1	100	0	0	0	0	0	0	0	0
55	Ratangur	5	100	0	0	0	0	0	0	0	0
56	Sakhu	1316	92.16	108	7.56	3	0.21	1	0.07	0	0
57	Salai	2	7.41	14	51.85	8	29.63	3	11.11	0	0
58	Samsihor	35	100	0	0	0	0	0	0	0	0
59	Sarhar	1	100	0	0	0	0	0	0	0	0
60	Saya	44	93.62	3	6.38	0	0	0	0	0	0
61	Semar	3	21.43	7	50	2	14.29	0	0	2	14.29
62	Sidha	57	98.28	1	1.72	0	0	0	0	0	0
63	Sipati	1	100	0	0	0	0	0	0	0	0
64	Sisam	1	50	1	50	0	0	0	0	0	0
65	Teur	190	77.55	44	17.96	8	3.27	3	1.22	0	0




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KOLKATA

Village- Mahuas, Thana no.

District- Hazaribagh

Abstract calculation as per sample plot

72425 sqm (50% of total area) land covered by : 3760 Trees
Or area covered by 1 tree: 19.26 Sqm

So:

144850.400 sqm (100% area) land covered by : 7521 Trees

Abstract Details Of Each Species Of Trees For Following Girth Classification In Total Area 144850.400 sqm.

Girth range (in cm)

Sl.	Tree	30-60	61-90	91-120	121-150	151-above	Total
1	Aitha	2	0	0	0	0	2
2	Anjan	4	2	0	0	0	6
3	Anwala	8	2	0	0	0	10
4	Arari	80	2	0	0	0	82
5	Asan	218	48	12	4	0	282
6	Bahera	142	26	10	0	2	180
7	Bandarlor	20	0	0	0	0	20
8	Bel	182	6	0	0	0	188
9	Belaunjan	48	0	0	0	0	48
10	Benhacha	18	0	0	0	0	18
11	Bhelwa	92	6	0	0	0	98
12	Bhurkund	6	0	4	0	0	10
13	Charakidhaman	6	0	0	0	0	6
14	Chiraila	4	0	0	0	0	4
15	Dhaman	6	0	0	0	0	6
16	Dhautha	4	0	0	0	0	4
17	Dhela	38	0	0	0	0	38
18	Dhodkhair	10	2	0	0	0	12
19	Dudher	4	0	0	0	0	4
20	Galgai	14	2	0	0	0	16
21	Ghato	2	0	0	0	0	2
22	Ghuthi	82	2	0	0	0	84
23	Gut	8	0	0	0	0	8
24	Hadhad	94	22	0	0	0	116
25	Harre	2	0	0	0	0	2
26	Jamun	68	16	2	0	0	86
27	Jamutha	2	0	0	0	0	2
28	Kahua	2	2	2	0	0	6
29	Kaj	68	2	2	0	0	72
30	Kanauda	20	0	0	0	0	20
31	Kaner	12	0	0	0	0	12
32	Karhar	2	0	0	0	0	2
33	Kari	32	2	0	0	0	34
34	Katmohali	50	4	0	0	0	54
35	Kendu	566	2	0	0	0	568
36	Kenkad	20	8	2	0	0	30
37	Keonjhi	4	0	0	0	0	4
38	Khair	116	2	0	0	0	118
39	Khota	28	0	0	0	0	28
40	Koraiya	48	2	0	0	0	50
41	Kusum	28	2	0	0	0	30
42	Mahua	14	2	2	0	0	18
43	Masaundha	118	0	0	0	0	118
44	Mauna	18	2	0	0	0	20
45	Pader	8	0	0	0	0	8
46	Paisar	46	6	0	0	0	52
47	Palash	6	0	2	2	0	10
48	Pamun	0	2	0	0	0	2
49	Pandan	12	0	0	0	0	12
50	Paprot	18	2	0	0	0	20

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Abstract Details Of Each Species Of Trees For Following Girth Classification In Total Area 144850.400 sqm.
Girth range (in cm)

Sl.	Tree	30-60	61-90	91-120	121-150	151-above	Total
51	Parami	474	106	12	2	0	594
52	Pari	2	0	0	0	0	2
53	Peyar	542	30	2	0	0	574
54	Pipal	2	0	0	0	0	2
55	Ratangur	10	0	0	0	0	10
56	Sakhu	2632	216	6	2	0	2856
57	Salai	4	28	16	6	0	54
58	Samsihor	70	0	0	0	0	70
59	Sarhar	2	0	0	0	0	2
60	Saya	88	6	0	0	0	94
61	Semar	6	14	4	0	4	28
62	Sidha	114	2	0	0	0	116
63	Sipati	2	0	0	0	0	2
64	Sisam	2	2	0	0	0	4
65	Teur	380	88	16	6	0	490
	TOTAL	6731	668	94	22	6	7521
TOTAL TREES		7521					




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KOLKATA

Village- Ghagharait, Thana no. 230

District- Hazaribagh

Details Based On Sample Plot:

Sample Area Details (In 6269 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees:			115	
Sl.	Tree	Total	% of trees	1150
1	Asan	2	1.739	20
2	Bahera	4	3.478	40
3	Bandarlor	2	1.739	20
4	Benhacha	8	6.957	80
5	Bhelwa	2	1.739	20
6	Chamarber	2	1.739	20
7	Chiretta	2	1.739	20
8	Detrang	7	6.087	70
9	Dhautha	1	0.870	10
10	Dudhkoraya	1	0.870	10
11	Kendu	15	13.098	150
12	Kenkad	5	4.345	50
13	Khair	1	0.870	10
14	Koraya	4	3.478	40
15	Mesuaandha	13	11.504	130
16	Masna	4	3.478	40
17	Paisar	1	0.870	10
18	Parami	14	12.174	140
19	Sakho	2	1.739	20
20	Sidha	23	20.000	230
21	Sighi	1	0.870	10
22	Sikit	1	0.870	10
	TOTAL	115	100	1150

Monarch & Engg. Cons. Pvt. Ltd.
Rajeta Apartment, 67/3, Singad Road
Pannala, Pune-411030

Signature
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Signature
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Village- Ghagharait, Thana no. 230

District- Hazaribagh

Trees Summary Details Based On Sample Plot:

Girth Classification & Their Percentage For Sample plots Girth range (in cm)											
Sl.	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151 & above	%
1	Asan	0	0	0	0	2	100	0	0	0	0
2	Bahera	2	50	1	25	0	0	1	75	0	0
3	Bandarlor	2	100	0	0	0	0	0	0	0	0
4	Benhacha	3	37.50	4	50	1	12.5	0	0	0	0
5	Bhewa	1	50	1	50	0	0	0	0	0	0
6	Chamharbar	2	100	0	0	0	0	0	0	0	0
7	Chiretta	0	0	0	0	2	100	0	0	0	0
8	Datrang	4	57.14	2	28.57	1	14.29	0	0	0	0
9	Dhautha	0	0	1	100	0	0	0	0	0	0
10	Dudhkoraiya	1	100	0	0	0	0	0	0	0	0
11	Kendu	10	66.67	1	6.67	1	20	0	0	1	6.67
12	Kenkad	2	40	2	40	0	0	1	20	0	0
13	Khar	1	100	0	0	0	0	0	0	0	0
14	Koraya	3	75	1	25	0	0	0	0	0	0
15	Masaundha	11	84.62	2	15.38	0	0	0	0	0	0
16	Mauna	3	75	1	25	0	0	0	0	0	0
17	Pesar	1	100	0	0	0	0	0	0	0	0
18	Parami	0	0	6	42.86	4	28.57	2	14.29	2	14.29
19	Sakhu	1	50	1	50	0	0	0	0	0	0
20	Sidha	17	73.91	6	26.09	0	0	0	0	0	0
21	Sighi	1	100	0	0	0	0	0	0	0	0
22	Sikit	1	100	0	0	0	0	0	0	0	0

Manager
Rajeta Kp
Ponnala, P. U.
Cons. Pvt. Ltd.
1993

Mr. Exe/etat/KSR

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KOLKATA

Village- Ghaghraif, Thana no. 230

District- Hazaribagh

Abstract calculation as per sample plot

6269 sqm (10% of total area) land covered by : 115 Trees
Or area covered by 1 tree: 54.51 Sqm

So:

62689.100 sqm (100% area) land covered by 1150 Trees

Abstract Details Of Each Species Of Trees For Following Girth Classification In Total Area 62689.100 sqm.
Girth range (in cm)

Sl.	Species/ Tree	30-60	61-90	91-120	121-150	151 & above	Total
1	Asan	0	0	20	0	0	20
2	Bahera	20	10	0	10	0	40
3	Bandarlor	20	0	0	0	0	20
4	Benhacha	30	40	10	0	0	80
5	Bhelwa	10	10	0	0	0	20
6	Chamarber	20	0	0	0	0	20
7	Chiretta	0	0	20	0	0	20
8	Datrang	40	20	10	0	0	70
9	Dhautha	0	10	0	0	0	10
10	Dudhkoraiya	10	0	0	0	0	10
11	Kendu	100	10	30	0	10	150
12	Kenkad	20	20	0	10	0	50
13	Khair	10	0	0	0	0	10
14	Koraiya	30	10	0	0	0	40
15	Masaundha	110	20	0	0	0	130
16	Mauna	30	10	0	0	0	40
17	Paisar	10	0	0	0	0	10
18	Paromi	0	60	40	20	20	140
19	Sakhu	10	10	0	0	0	20
20	Sidha	120	60	0	0	0	180
21	Sighi	10	0	0	0	0	10
22	Sikit	10	0	0	0	0	10
	TOTAL	660	290	130	40	30	1150
	TOTAL TREES	1150					

Monarch  Pvt. Ltd.
Bajeta Apartment,
Pamala, Pune-411030

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Jr. Exco/Exec/100



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KOLKATA

Village- Jagodih, Thana no. 231

District- Hazaribagh

Details Based On Sample Plot:

Sample Area Details (in 27929 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees:			1350	
Sl.	Tree	Total	% of trees	13500
1	Anwala	19	1.41	190
2	Arari	5	0.37	50
3	Asan	45	3.33	450
4	Bahera	9	0.67	90
5	Bandarlor	2	0.15	20
6	Barpad	2	0.15	20
7	Bel	4	0.30	40
8	Belaunjan	13	0.96	130
9	Benhartha	14	1.04	140
10	Bhofwa	80	5.93	800
11	Bhurkund	3	0.22	30
12	Chamruber	5	0.37	50
13	Charasdozman	2	0.15	20
14	Cheretta	2	0.15	20
15	Datrang	5	0.37	50
16	Dhautha	5	0.37	50
17	Dhela	1	0.07	10
18	Dhodkhar	5	0.37	50
19	Dodher	1	0.07	10
20	Gambhar	1	0.07	10
21	Gandhak	1	0.07	10
22	Ghato	3	0.22	30
23	Ghuthi	13	0.96	130
24	Hudhad	5	0.37	50
25	Hatte	1	0.07	10
26	Kai	13	0.96	130
27	Kanguda	6	0.44	60
28	Kaner	5	0.37	50
29	Karam	1	0.07	10
30	Kerhar	2	0.15	20
31	Kari	2	0.15	20
32	Katar	1	0.07	10
33	Katmohali	8	0.59	80
34	Kendu	102	7.56	1020
35	Kerkad	5	0.37	50
36	Khar	11	0.81	110
37	Khoti	15	1.11	150
38	Keser	15	1.11	150
39	Koraiya	15	1.11	150
40	Kusum	7	0.52	70
41	Lar	1	0.07	10
42	Mahua	27	2.00	270
43	Masaundha	3	0.22	30
44	Mauna	10	0.74	100
45	Padar	3	0.22	30
46	Paiker	40	2.96	400
47	Pamash	7	0.52	70
48	Paprol	4	0.30	40
49	Paask	7	0.52	70
50	Parani	252	18.67	2520
51	Peyar	38	2.81	380
52	Pipal	1	0.07	10
53	Ratangur	7	0.52	70
54	Ratanmahan	3	0.22	30
55	Rawal	1	0.07	10
56	Sakhu	301	22.30	3010
57	Salmi	96	7.11	960
58	Samdhior	10	0.74	100
59	Sarbama	1	0.07	10
60	Soya	14	1.04	140
61	Semar	4	0.30	40
62	Sidha	15	1.11	150
63	Teu	23	1.70	230
	TOTAL	1350	100	13500

Monarch Survey & Engg. Cons. Pvt. Ltd.
Rajata Apartment, 67/3, Singhad Road
Pawana, Pune-411030

checked
J. K. Singh / 20/1/2009

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KOLKATA

Village- Jagodih, Thana no. 231

District- Hazaribagh

Trees Summary Details Based On Sample Plot:

Girth Classification & Their Percentage For Sample plot											
Girth range (in cm)											
Sl	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151 & Above	%
1	Anwala	14	73.68	4	21.05	1	5.26	0	0	0	0
2	Asan	4	80	1	20	0	0	0	0	0	0
3	Asan	27	60	16	35.56	1	2.22	1	2.22	0	0
4	Bahera	5	55.56	4	44.44	0	0	0	0	0	0
5	Bhandari	1	50	1	50	0	0	0	0	0	0
6	Bargad	0	0	0	0	0	0	0	0	0	0
7	Bel	2	50	2	50	0	0	0	0	2	100
8	Belunjan	13	100	0	0	0	0	0	0	0	0
9	Benhacha	14	100	0	0	0	0	0	0	0	0
10	Bhelwa	24	92.50	5	19.23	1	3.85	0	0	0	0
11	Bhurkund	3	100	0	0	0	0	0	0	0	0
12	Chamarber	4	80	1	20	0	0	0	0	0	0
13	Charakidhaman	1	50	1	50	0	0	0	0	0	0
14	Chiretta	0	0	2	100	0	0	0	0	0	0
15	Datrang	5	100	0	0	0	0	0	0	0	0
16	Dhaudha	5	100	0	0	0	0	0	0	0	0
17	Dheia	1	100	0	0	0	0	0	0	0	0
18	Dhodhichair	6	75	1	12.50	1	12.50	0	0	0	0
19	Dudher	1	100	0	0	0	0	0	0	0	0
20	Gumhar	1	100	0	0	0	0	0	0	0	0
21	Gandhak	1	100	0	0	0	0	0	0	0	0
22	Ghato	3	100	0	0	0	0	0	0	0	0
23	Ghuthi	13	100	0	0	0	0	0	0	0	0
24	Hachad	3	50	2	33.33	0	0	1	16.67	0	0
25	Harre	1	100	0	0	0	0	0	0	0	0
26	Kaj	14	42.42	10	30.30	7	21.21	2	6.06	0	0
27	Kanada	5	83.33	1	16.67	0	0	0	0	0	0
28	Kaner	6	100	0	0	0	0	0	0	0	0
29	Karam	1	100	0	0	0	0	0	0	0	0
30	Kathar	2	100	0	0	0	0	0	0	0	0
31	Kari	2	100	0	0	0	0	0	0	0	0
32	Katni	1	100	0	0	0	0	0	0	0	0
33	Katmohali	7	87.50	1	12.50	0	0	0	0	0	0
34	Kendu	93	91.18	7	6.86	2	1.96	0	0	0	0
35	Kankad	3	50	2	33.33	1	16.67	0	0	0	0
36	Khar	11	100	0	0	0	0	0	0	0	0
37	Khota	13	88.67	1	6.67	1	6.67	0	0	0	0
38	Konar	15	100	0	0	0	0	0	0	0	0
39	Koraiya	14	93.33	1	6.67	0	0	0	0	0	0
40	Kusum	6	85.71	1	14.29	0	0	0	0	0	0
41	Lac	1	100	0	0	0	0	0	0	0	0
42	Mahua	17	62.96	8	29.63	2	7.41	0	0	0	0
43	Masamudha	3	100	0	0	0	0	0	0	0	0
44	Mauna	10	100	0	0	0	0	0	0	0	0
45	Pader	3	100	0	0	0	0	0	0	0	0
46	Paisar	31	77.50	7	17.50	2	5	0	0	0	0
47	Pandian	7	100	0	0	0	0	0	0	0	0
48	Paprot	4	100	0	0	0	0	0	0	0	0
49	Palash	3	60	2	40	0	0	0	0	0	0
50	Paranti	182	76.19	54	21.43	6	2.38	0	0	0	0
51	Peyar	17	97.37	1	2.63	0	0	0	0	0	0
52	Pipal	0	0	0	0	0	0	0	0	1	100
53	Ratangur	5	71.43	1	14.29	1	14.29	0	0	0	0
54	Rumunban	3	100	0	0	0	0	0	0	0	0
55	Rawal	1	100	0	0	0	0	0	0	0	0
56	Sakhu	245	81.40	48	15.95	4	1.33	4	1.33	0	0
57	Salai	46	51.04	38	39.58	8	8.33	1	1.04	0	0
58	Samsihar	8	80	2	20	0	0	0	0	0	0
59	Sarkana	1	100	0	0	0	0	0	0	0	0
60	Saya	17	94.14	1	5.56	0	0	0	0	0	0
61	Somar	3	75	1	25	0	0	0	0	0	0
62	Sisua	15	100	0	0	0	0	0	0	0	0
63	Teul	13	86.52	10	43.48	0	0	0	0	0	0

Engr. C. S. Singh
Sd/-
Page-411030

Signature
J. S. Singh

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S.U. under Min. of Railways)
KOLKATA

Abstract calculation as per sample plot

27929 sqm (10% of total area) land covered by : 1350 Trees

Or area covered by 1 tree: 20.69 Sqm

So:

279294.90 sqm (100% area) land covered by : 13500 Trees

Abstract Details Of Each Species Of Trees For Following Girth Classification In Total Area 279294.90 sqm.
Girth range (in cm)

Sl.	Species/ Tree	30-60	61-90	91-120	121-150	151 & above	Total
1	Anwala	140	40	10	0	0	190
2	Arari	40	10	0	0	0	50
3	Asan	270	160	10	10	0	450
4	Bahora	50	40	0	0	0	90
5	Bandarlor	10	10	0	0	0	20
6	Bangad	0	0	0	0	20	20
7	Bel	20	20	0	0	0	40
8	Belunjan	130	0	0	0	0	130
9	Binhacha	140	0	0	0	0	140
10	Bhatwa	740	50	10	0	0	800
11	Bherkad	30	0	0	0	0	30
12	Chamarber	40	10	0	0	0	50
13	Charakdhaman	10	10	0	0	0	20
14	Chiretta	0	20	0	0	0	20
15	Chirang	50	0	0	0	0	50
16	Dholutha	50	0	0	0	0	50
17	Dhela	10	0	0	0	0	10
18	Dhodhanair	60	10	10	0	0	80
19	Dudher	10	0	0	0	0	10
20	Gambhar	10	0	0	0	0	10
21	Gandhak	10	0	0	0	0	10
22	Ghat	30	0	0	0	0	30
23	Ghuthi	130	0	0	0	0	130
24	Hadhad	30	20	0	10	0	60
25	Harre	10	0	0	0	0	10
26	Kaj	140	100	20	20	0	330
27	Kansuda	60	10	0	0	0	60
28	Kanser	60	0	0	0	0	60
29	Karam	10	0	0	0	0	10
30	Karhar	20	0	0	0	0	20
31	Kari	20	0	0	0	0	20
32	Katar	10	0	0	0	0	10
33	Katmohai	20	10	0	0	0	30
34	Kendu	930	70	20	0	0	1020
35	Kerkad	30	20	10	0	0	60
36	Khair	110	0	0	0	0	110
37	Khota	130	10	10	0	0	150
38	Konai	150	0	0	0	0	150
39	Koraiya	140	10	0	0	0	150
40	Kosum	60	10	0	0	0	70
41	Lar	10	0	0	0	0	10
42	Mahua	170	80	20	0	0	270
43	Mataundha	30	0	0	0	0	30
44	Mauna	100	0	0	0	0	100
45	Paday	30	0	0	0	0	30
46	Palsat	310	70	20	0	0	400
47	Pandan	70	0	0	0	0	70
48	Papret	40	0	0	0	0	40
49	Palash	30	20	0	0	0	50
50	Param	1920	540	60	0	0	2520
51	Peyar	370	10	0	0	0	380
52	Pepl	0	0	0	0	10	10
53	Ratangur	50	10	10	0	0	70
54	Ratanrohan	30	0	0	0	0	30
55	Rawai	10	0	0	0	0	10
56	Sakhu	2450	480	40	40	0	3010
57	Salai	490	380	80	10	0	960
58	Sanshar	30	20	0	0	0	50
59	Sarkama	10	0	0	0	0	10
60	Soya	170	10	0	0	0	180
61	Semai	30	10	0	0	0	40
62	Sidha	150	0	0	0	0	150
63	Tear	130	100	0	0	0	230
TOTAL		10630	2370	380	90	10	13500
TOTAL TREES				13500			

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Rajeta Apartment, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

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Corporation of India Ltd.
U. under Min. of Railways)
KOLKATA

District- Hazaribagh

Details Based On Sample Plot:

Sample Area Details (in 15707 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees:			261	
Sl.	Species/ Tree	Total	% of trees	2610
1	Aitha	1	0.383	10.00
2	Anjan	1	0.383	10.00
3	Anwala	2	0.766	20.00
4	Asan	16	6.130	160.00
5	Behara	12	4.598	120.00
6	Bondarkor	1	0.383	10.00
7	Bot	18	6.897	180.00
8	Bhurkund	1	0.383	10.00
9	Bucha	2	0.766	20.00
10	Chaila	1	0.383	10.00
11	Chaulaha	2	0.766	20.00
12	Churghuri	1	0.383	10.00
13	Ghuthi	2	0.766	20.00
14	Kaj	6	2.299	60.00
15	Karam	4	1.532	40.00
16	Karani	1	0.383	10.00
17	Kari	2	0.766	20.00
18	Katmohali	4	1.532	40.00
19	Kendu	37	14.176	370.00
20	Kerkad	34	13.027	340.00
21	Khar	11	4.215	110.00
22	Khata	1	0.383	10.00
23	Koriya	12	4.598	120.00
24	Kusam	1	0.383	10.00
25	Lafarmast	1	0.383	10.00
26	Mahua	1	0.383	10.00
27	Masandha	4	1.532	40.00
28	Pader	3	1.149	30.00
29	Paisar	1	0.383	10.00
30	Paprai	1	0.383	10.00
31	Paramu	7	2.682	70.00
32	Peyar	12	4.598	120.00
33	Rafha	1	0.383	10.00
34	Ratnabhan	1	0.383	10.00
35	Saknu	10	3.831	100.00
36	Salai	1	0.383	10.00
37	Samsathor	3	1.149	30.00
38	Sernar	15	5.747	150.00
39	Sidha	23	8.812	230.00
40	Siri	2	0.766	20.00
41	Saya	2	0.766	20.00
	Total	261	100	2618

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KOLKATA

Monarch
Rajesh A. Patil
Pune, Pune-411004

Village- Kanti, Thana no- 298

District- Hazaribagh

Trees Summary Details Based On Sample Plot:

Girth Classification & Their Percentage For Sample plots Girth range (in cm)											
Sl.	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151 & above	%
1	Aitha	0	0	1	100	0	0	0	0	0	0
2	Anjan	1	100	0	0	0	0	0	0	0	0
3	Anwala	1	50	1	50	0	0	0	0	0	0
4	Asar	8	50	7	43.75	1	6.25	0	0	0	0
5	Behara	5	41.67	5	41.67	1	8.33	0	0	1	8.33
6	Bandarfor	1	100	0	0	0	0	0	0	0	0
7	Bel	15	83.33	3	16.67	0	0	0	0	0	0
8	Bhurkund	0	0.00	1	100	0	0	0	0	0	0
9	Bucha	2	100.00	0	0	0	0	0	0	0	0
10	Chiraila	0	0.00	1	100	0	0	0	0	0	0
11	Dhautha	2	100.00	0	0	0	0	0	0	0	0
12	Ghurghuri	1	100.00	0	0	0	0	0	0	0	0
13	Ghutbi	1	50.00	1	50	0	0	0	0	0	0
14	Kaj	5	83.33	1	17	0	0	0	0	0	0
15	Karam	4	100.00	0	0	0	0	0	0	0	0
16	Karanj	0	0.00	1	100	0	0	0	0	0	0
17	Kari	2	100.00	0	0	0	0	0	0	0	0
18	Katmoholi	3	75.00	1	25	0	0	0	0	0	0
19	Kindu	37	100.00	0	0	0	0	0	0	0	0
20	Kenkad	9	26.47	17	50	8	23.53	0	0	0	0
21	Khair	11	100	0	0	0	0	0	0	0	0
22	Khota	1	100.00	0	0	0	0	0	0	0	0
23	Koralya	10	83.33	2	17	0	0	0	0	0	0
24	Kusum	1	100.00	0	0	0	0	0	0	0	0
25	Latar mast	1	100.00	0	0	0	0	0	0	0	0
26	Mahua	1	100.00	0	0	0	0	0	0	0	0
27	Masamudha	4	100.00	0	0	0	0	0	0	0	0
28	Padar	3	100.00	0	0	0	0	0	0	0	0
29	Paisar	1	100.00	0	0	0	0	0	0	0	0
30	Paprai	1	100.00	0	0	0	0	0	0	0	0
31	Parani	5	71.43	2	29	0	0	0	0	0	0
32	Peyar	10	83.33	1	8	1	8.33	0	0	0	0
33	Rapra	1	100.00	0	0	0	0	0	0	0	0
34	Ratanrohan	1	100.00	0	0	0	0	0	0	0	0
35	Sakhu	9	90.00	1	10	0	0	0	0	0	0
36	Salai	1	100.00	0	0	0	0	0	0	0	0
37	Samsihar	2	66.67	1	33	0	0	0	0	0	0
38	Sernar	3	20.00	8	53	4	26.67	0	0	0	0
39	Sidha	21	91.30	2	9	0	0	0	0	0	0
40	Shi	2	100.00	0	0	0	0	0	0	0	0
41	Saya	2	100.00	0	0	0	0	0	0	0	0

Monarch Survi & Engg. Works. Pvt. Ltd.
Rajata Apartment, 93/3, Sahibganj Road
Palmala, Pune-411020.

Signature
18.05.2019/Kor

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Corporation of India Ltd.
(A.P.S.U. under Min. of Railways)
KOLKATA

Village- Kanti, Thana no. - 298

District- Hazaribagh

Abstract calculation as per sample plot

15707 sqm (10% of total area) land covered by

261 Trees

Or area covered by 1 tree:

60.18 sqm

So:

157070 sqm (100% area) land covered by approx.

2610 Trees

Abstract Details Of Each Species Of Trees For Following Girth Classification in Total Area 157070 sqm.
Girth range (in cm)

Sl.	Species/ Tree	30-60	61-90	91-120	121-150	151 & above	Total
1	Aitha	0	10.00	0	0	0	10
2	Anjan	10.00	0	0	0	0	10
3	Anwala	10.00	10.00	0	0	0	20
4	Asan	80.00	70.00	10.00	0	0	160
5	Behara	50.00	50.00	10.00	0.50	10.00	120
6	Bandarlor	10.00	0	0	0	0	10
7	Bel	150.00	30.00	0	0	0	180
8	Bhurkund	0.00	10.00	0	0	0	10
9	Bucha	20.00	0.00	0	0	0	20
10	Chiralla	0.00	10.00	0	0	0	10
11	Dhautha	20.00	0.00	0	0	0	20
12	Ghurghuri	10.00	0.00	0	0	0	10
13	Ghuthi	10.00	10.00	0	0	0	20
14	Kaj	50.00	10.00	0	0	0	60
15	Karam	40.00	0.00	0	0	0	40
16	Karanj	0.00	10.00	0	0	0	10
17	Kari	20.00	0.00	0	0	0	20
18	Katmohali	30.00	10.00	0	0	0	40
19	Kendu	370.00	0.00	0	0	0	370
20	Kenkad	90.00	170.00	80.00	0	0	340
21	Khair	110.00	0	0	0	0	110
22	Khota	10.00	0.00	0	0	0	10
23	Koraiya	100.00	20.00	0	0	0	120
24	Kusum	10.00	0.00	0	0	0	10
25	Latarmast	10.00	0.00	0	0	0	10
26	Mahua	10.00	0.00	0	0	0	10
27	Masaundha	40.00	0.00	0	0	0	40
28	Padar	30.00	0.00	0	0	0	30
29	Paisar	10.00	0.00	0	0	0	10
30	Paprai	10.00	0.00	0	0	0	10
31	Parami	50.00	20.00	0	0	0	70
32	Peyar	100.00	10.00	10.00	0	0	120
33	Rapna	10.00	0.00	0	0	0	10
34	Ratanruhan	10.00	0.00	0	0	0	10
35	Sakhu	90.00	10.00	0	0	0	100
36	Salai	10.00	0.00	0	0	0	10
37	Samsihor	20.00	10.00	0	0	0	30
38	Semar	30.00	80.00	40.00	0	0	150
39	Sidha	230.00	20.00	0	0	0	250
40	Siti	70.00	0.00	0	0	0	70
41	Saya	20.00	0.00	0	0	0	20
	Total	1880.00	570.00	150.00	0.00	10.00	2610
	Total Trees						2610

Monarch Corp. Pvt. Ltd.
Gujeta Road, Panna, India-491000

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CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(A.P.S.U. under Min. of Railways)
KOLKATA

Village- Maisakhar, Thana no. 235

District- Hazaribagh

Details Based On Sample Plot:

Sample Area Details (in 6917 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees: 134				
Sl.	Tree	Total	% of trees	1340
1	Asan	1	0.75	10
2	Bel	7	5.22	70
3	Belaunjin	1	0.75	10
4	Bhurkund	1	0.75	10
5	Bhela	1	0.75	10
6	Dudher	19	14.18	190
7	Ghuchi	1	0.75	10
8	Hadhad	2	1.49	20
9	Kaner	1	0.75	10
10	Karam	2	1.49	20
11	Kari	2	1.49	20
12	Katmohali	6	4.48	60
13	Kendu	19	11.19	150
14	Khair	7	5.22	70
15	Khagar	3	2.25	30
16	Koraiya	17	8.96	120
17	Kusum	2	1.49	20
18	Musaundiha	6	4.48	60
19	Parami	24	17.91	240
20	Payar	1	0.75	10
21	Ratangur	1	0.75	10
22	Sakhu	2	1.49	20
23	Saya	1	0.75	10
24	Semar	1	0.75	10
25	Sidha	15	11.19	150
	Total	134	100.00	1340

Mongarch Sup. & Engrg. Cons. Pvt. Ltd.
Rajeta Apartment, 17/13, Singher Road
Panmala, Pune-411030

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CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
A P.S.U. under Min. of Railways)
KOLKATA

Village- Maisakhar, Thana no. 235

District- Hazaribagh

Trees Summary Details Based On Sample Plot:

Girth Classification & Their Percentage For Sample plots Girth range (in cm)											
Sl.	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151 & above	%
1	Ayan	0	0	0	0	1	100	0	0	0	0
2	Bel	3	42.86	4	57.14	0	0	0	0	0	0
3	Beloungan	0	0	1	100	0	0	0	0	0	0
4	Bhurkund	0	0	1	100	0	0	0	0	0	0
5	Dhela	0	0	1	100	0	0	0	0	0	0
6	Dudher	15	78.95	4	21.05	0	0	0	0	0	0
7	Ghuthi	1	100	0	0	0	0	0	0	0	0
8	Hadhad	0	0	1	50	1	50	0	0	0	0
9	Kaner	1	100	0	0	0	0	0	0	0	0
10	Koram	2	100	0	0	0	0	0	0	0	0
11	Kari	2	100	0	0	0	0	0	0	0	0
12	Katmohali	2	33.33	4	66.67	0	0	0	0	0	0
13	Kendu	13	86.67	2	13.33	0	0	0	0	0	0
14	Khair	2	100	0	0	0	0	0	0	0	0
15	Khapar	2	66.67	1	33.33	0	0	0	0	0	0
16	Kotaliya	10	83.33	2	16.67	0	0	0	0	0	0
17	Kusum	1	50	1	50	0	0	0	0	0	0
18	Masoundha	2	33.33	4	66.67	0	0	0	0	0	0
19	Parami	3	12.50	16	66.67	5	20.83	0	0	0	0
20	Peyar	0	0	2	100	0	0	0	0	0	0
21	Ratangur	0	0	1	100	0	0	0	0	0	0
22	Sakhu	2	100	0	0	0	0	0	0	0	0
23	Saya	1	100	0	0	0	0	0	0	0	0
24	Sernar	0	0	0	0	1	100	0	0	0	0
25	Sieha	8	53.33	5	33.33	1	6.67	0	0	1	6.67
Total		75		49		9		0		1	
TOTAL TREES		134									

Monarch Survey & Equip. Co. Pvt. Ltd.
Rajeta Apartment, 17/3, Singhat Road
Pune-411030

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Jr. Exec / Equip / SR

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CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(A.P.S.U. under Min. of Railways)
KOLKATA

Village- Maisakhar, Thana no. 235

Abstract calculation as per sample plot

6917 sqm (10% of total area) land covered by : 134 Trees

Or area covered by 1 tree : 51.62 Sqm

So

69169.500 sqm (100% area) land covered by : 1340 Trees

Abstract Details Of Each Species Of Trees For Following Girth Classification In Total Area 69169.500 sqm.
(Girth range in cm)

Species/ Tree	30-60	61-90	91-120	121-150	151 & above	Total
Asan	0	0	10	0	0	10
Bel	30	40	0	0	0	70
Belaujan	0	10	0	0	0	10
Bhurkund	0	10	0	0	0	10
Dhala	0	10	0	0	0	10
Dudhor	150	40	0	0	0	190
Ghuthi	10	0	0	0	0	10
Hadhad	0	10	10	0	0	20
Kaner	10	0	0	0	0	10
Karam	20	0	0	0	0	20
Kari	20	0	0	0	0	20
Katmubali	20	40	0	0	0	60
Kendu	130	20	0	0	0	150
Khair	70	0	0	0	0	70
Khapar	30	10	0	0	0	40
Koraiya	100	20	0	0	0	120
Kusum	10	10	0	0	0	20
Masundha	20	40	0	0	0	60
Parani	30	160	50	0	0	240
Peyar	0	10	0	0	0	10
Ratangur	0	10	0	0	0	10
Sakhu	20	0	0	0	0	20
Soya	10	0	0	0	0	10
Semar	0	0	10	0	0	10
Sidha	90	50	10	0	10	150
Total	750	420	90	0	10	1340
TOTAL TREES	1340					

Monorch Sub. & Co. Pvt. Ltd.
Rajeta Apartment, 87/2, Sitabgan Road
Bengaluru, Pune-411030

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CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(P.S.U. under Min. of Railways)
KOLKATA

Village- Ambatari, Thana no. 241
District- Hazaribagh

Details Based On Sample Plot:

Sample Area Details (in 11987 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees:			116	
Sr.	Tree	Total	% of trees	1169
1	Asan	1	0.86	10
2	Bahera	2	1.72	20
3	Bhelwa	3	2.59	30
4	Dhautha	3	2.59	30
5	Gadahbargad	1	0.86	10
6	Kahua	1	0.86	10
7	Karam	1	0.86	10
8	Keodu	1	0.86	10
9	Rhair	14	12.07	140
10	Khota	1	0.86	10
11	Konar	1	0.86	10
12	Koraiya	1	0.86	10
13	Mahua	6	5.17	60
14	Masaundha	5	4.31	50
15	Palash	37	31.90	370
16	Parami	19	16.38	190
17	Peyar	1	0.86	10
18	Sakhu	14	12.07	140
19	Semar	3	2.59	30
20	Sikit	1	0.86	10
	TOTAL	116	100	1160

Monarch Surv. & Engrg. Cons. Pvt. Ltd.
Rajeta Apartment, 57/3, Bina Road,
Panmala, Pune-411030

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CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(P.S.U. under Min. of Railways)
KOLKATA

Village- Ambatari, Thana no. 241
District- Hazaribagh

Trees Summary Details Based On Sample Plot:

Girth Classification & Their Percentage For Sample plots Girth range (in cm)											
SL	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151 & above	%
1	Asan	1	100	0	0	0	0	0	0	0	0
2	Bahera	0	0	1	50	1	50	0	0	0	0
3	Bhelwa	2	66.67	1	33.33	0	0	0	0	0	0
4	Dhautha	1	33.33	0	0	1	33.33	1	33.33	0	0
5	Gadahbargad	0	0	1	100	0	0	0	0	0	0
6	Kahua	0	0	0	0	1	100	0	0	0	0
7	Karam	1	100	0	0	0	0	0	0	0	0
8	Kendu	1	100	0	0	0	0	0	0	0	0
9	Khoir	14	100	0	0	0	0	0	0	0	0
10	Khota	0	0	1	100	0	0	0	0	0	0
11	Konar	1	100	0	0	0	0	0	0	0	0
12	Koraiya	0	0	1	100	0	0	0	0	0	0
13	Mahua	1	16.67	0	0	0	0	1	16.67	4	66.67
14	Masaundha	3	60	2	40	0	0	0	0	0	0
15	Palash	20	54.05	12	32.43	5	13.51	0	0	0	0
16	Parani	5	26.32	8	42.11	6	31.58	0	0	0	0
17	Peyar	1	100	0	0	0	0	0	0	0	0
18	Sakhu	0	0	2	14.29	7	50	4	28.57	1	7.14
19	Semar	0	0	0	0	1	33.33	1	33.33	1	33.33
20	Sikit	1	100	0	0	0	0	0	0	0	0

Monarch & Co. Pvt. Ltd.
Rajeta Apartment, 2nd Floor Road
Panipat, Haryana-151001

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CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(A P.S.U. under Min. of Railways)
KOLKATA

Abstract calculation as per sample plot

11987 sqm (10% of total area) land covered by
Or area covered by 1 tree.

116 Trees
103.34 sqm

So:

119870 sqm (100% area) land covered by :

1160 Trees

Abstract Details Of Each Species Of Trees For Following Girth Classification In Total Area 119870 sqm.
Girth range (in cm)

Sl.	Species/ Tree	30-60	61-90	91-120	121-150	151 & above	Total
1	Asan	10	0	0	0	0	10
2	Bahera	0	10	10	0	0	20
3	Bhelwa	20	10	0	0	0	30
4	Dhautha	10	0	10	10	0	30
5	Godahbergad	0	10	0	0	0	10
6	Kahua	0	0	10	0	0	10
7	Karam	10	0	0	0	0	10
8	Kendu	10	0	0	0	0	10
9	Khair	140	0	0	0	0	140
10	Khota	0	10	0	0	0	10
11	Konar	10	0	0	0	0	10
12	Koraiya	0	10	0	0	0	10
13	Mahua	10	0	0	10	40	60
14	Masaundha	30	20	0	0	0	50
15	Palash	200	120	50	0	0	370
16	Parami	50	80	60	0	0	190
17	Peyar	10	0	0	0	0	10
18	Sakhu	0	20	20	40	10	140
19	Semar	0	0	10	10	10	30
20	Sikit	10	0	0	0	0	10
	Total	520	290	220	70	60	1160
	TOTAL TREES						1160

Monarch Enviro Pvt. Ltd.
Regd. Office: 57/1, Ambaj Road
Panna, Puno-411030

Signature
Jr. Encl. / Encl. / Encl.

Signature

CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(S. U. under Min. of Railways)
KOLKATA

Village- Fulwariya, Thana no.- 227
District- Hazaribagh

Details Based On Sample Plot:

Sample Area Details (in 9785 sqm.)				Total No. Of Trees in Abstract for Each Species
Total no. of Sample area trees:				521
Sl.	Tree	Total	% of trees	5211
1	Altha	1	0.19	10
2	Arari	12	2.30	120
3	Asan	19	3.65	190
4	Bader	1	0.19	10
5	Bahera	4	0.77	40
6	Bel	6	1.15	60
7	Belaurjan	1	0.19	10
8	Benhacha	1	0.19	10
9	Dhautha	1	0.19	10
10	Dhaway	2	0.38	20
11	Dhodhkhair	1	0.19	10
12	Dudher	1	0.19	10
13	Galgai	2	0.38	20
14	Ghuthi	3	0.58	30
15	Kaj	8	1.54	80
16	Kari	5	0.96	50
17	Katechali	10	1.92	100
18	Kendu	36	6.91	360
19	Khair	10	1.92	100
20	Koraiya	21	4.03	210
21	Mahua	1	0.19	10
22	Pader	2	0.38	20
23	Paisar	5	0.96	50
24	Pandan	3	0.58	30
25	Paprot	2	0.38	20
26	Parani	30	5.76	300
27	Poyar	51	9.79	510
28	Ratangur	1	0.19	10
29	Ratanrhan	94	18.04	940
30	Sakhu	129	24.76	1290
31	Salai	28	5.37	280
32	Samsihor	7	1.34	70
33	Saya	10	1.92	100
34	Sidha	10	1.92	100
35	Sisam	2	0.38	20
36	Teur	1	0.19	10
		521	100.00	5211

Monarch
Bajeta Area
Panmala, ...
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Signature
Jr. Ex. / Clerk / Secy

Signature
CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(P.S.U. under Min. of Railways)
KOLKATA

Village- Fulwariya, Thana no. 227
District- Hazaribagh

Trees Summary Details Based On Sample Plot:

Girth Classification & Their Percentage For Sample plots											
Girth range (in cm)											
Sl.	Tree	30-60	%	61-90	%	91-120	%	121-150	%	151 & above	%
1	Aitha	1	100	0	0	0	0	0	0	0	0
2	Arari	12	100	0	0	0	0	0	0	0	0
3	Asan	16	100	0	0	0	0	0	0	0	0
4	Bader	1	100	0	0	0	0	0	0	0	0
5	Bahera	4	100	0	0	0	0	0	0	0	0
6	Bel	6	100	0	0	0	0	0	0	0	0
7	Belaurjan	1	100	0	0	0	0	0	0	0	0
8	Benhacha	1	100	0	0	0	0	0	0	0	0
9	Dhautha	1	100	0	0	0	0	0	0	0	0
10	Dhaway	1	50	1	50	0	0	0	0	0	0
11	Dhoubkhar	1	100	0	0	0	0	0	0	0	0
12	Dudher	1	100	0	0	0	0	0	0	0	0
13	Gaigal	2	100	0	0	0	0	0	0	0	0
14	Ghuthi	3	100	0	0	0	0	0	0	0	0
15	Kaj	5	62.50	3	37.50	0	0	0	0	0	0
16	Kari	5	100	0	0	0	0	0	0	0	0
17	Katmohali	9	90	1	10	0	0	0	0	0	0
18	Kendu	35	97.22	1	2.78	0	0	0	0	0	0
19	Khair	10	100	0	0	0	0	0	0	0	0
20	Koraiya	21	100	0	0	0	0	0	0	0	0
21	Mahua	1	100	0	0	0	0	0	0	0	0
22	Pader	2	100	0	0	0	0	0	0	0	0
23	Paisar	3	60	2	40	0	0	0	0	0	0
24	Pandan	3	100	0	0	0	0	0	0	0	0
25	Paprot	1	50	1	50	0	0	0	0	0	0
26	Parami	26	86.67	4	13.33	0	0	0	0	0	0
27	Peyar	51	100	0	0	0	0	0	0	0	0
28	Ratanger	1	100	0	0	0	0	0	0	0	0
29	Ratanrphan	54	89	9	9.57	1	1.06	0	0	0	0
30	Sakhu	117	90.70	12	9.30	0	0	0	0	0	0
31	Salai	17	60.71	11	39.29	0	0	0	0	0	0
32	Samsihor	7	100	0	0	0	0	0	0	0	0
33	Saya	10	100	0	0	0	0	0	0	0	0
34	Sidha	10	100	0	0	0	0	0	0	0	0
35	Sisam	1	50	1	50	0	0	0	0	0	0
36	Teur	1	100	0	0	0	0	0	0	0	0

Monrovia Pvt. Ltd.
Bages Apartment
Pannala, Fulwariya 2020

Signature
Jr. Exec / Adm / Reg

Signature
CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(A.P.S.U. under Min. of Railways)
KOLKATA

Village- Fulwariya, Thana no. 227

Abstract calculation as per sample plot

9786 sqm (10% of total area) land covered by : 521 Trees
Or area covered by 1 tree: 18.78 Sqm

So:

97855.8 sqm (100% area) land covered by : 5211 Trees

Abstract Details Of Each Species Of Trees For Following Girth Classification In Total Area 97855.8sqm.
Girth range (in cm)

Sl.	Species/ Tree	30-60	61-90	91-120	121-150	151 & above	Total
1	Aitha	10	0	0	0	0	10
2	Arari	120	0	0	0	0	120
3	Asan	190	0	0	0	0	190
4	Bader	10	0	0	0	0	10
5	Bahera	40	0	0	0	0	40
6	Bel	60	0	0	0	0	60
7	Belaunjan	10	0	0	0	0	10
8	Behhacha	10	0	0	0	0	10
9	Dhautha	10	0	0	0	0	10
10	Dhaway	10	10	0	0	0	20
11	Dhodhihair	10	0	0	0	0	10
12	Dudher	10	0	0	0	0	10
13	Galgat	20	0	0	0	0	20
14	Ghuthi	30	0	0	0	0	30
15	Kaj	50	30	0	0	0	80
16	Kari	50	0	0	0	0	50
17	Katmohadi	90	10	0	0	0	100
18	Kendu	350	10	0	0	0	360
19	Khair	100	0	0	0	0	100
20	Koraiya	210	0	0	0	0	210
21	Mahua	10	0	0	0	0	10
22	Pader	20	0	0	0	0	20
23	Paisar	40	20	0	0	0	50
24	Pandan	30	0	0	0	0	30
25	Paprot	10	10	0	0	0	20
26	Parathi	250	40	0	0	0	300
27	Peyar	510	0	0	0	0	510
28	Ratangur	10	0	0	0	0	10
29	Ratanrohan	840	90	10	0	0	940
30	Sakhu	1170	120	0	0	0	1290
31	Salai	170	110	0	0	0	280
32	Samsihar	70	0	0	0	0	70
33	Saya	100	0	0	0	0	100
34	Sidra	100	0	0	0	0	100
35	Sisam	10	10	0	0	0	20
36	Teur	10	0	0	0	0	10
Total		4741	460	10	0	0	5211
TOTAL TREES							5211

Monarda & Co. Pvt. Ltd.
Rajeta Apartment, Indragad Road
Panmala, Pune-411030

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CHIEF PROJECT MANAGER
Dedicated Freight Corridor
Corporation of India Ltd.
(A.P.S.U. under Min. of Railways)
KOLKATA