

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacement - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District

Village - ~~Girga~~ Nigadi

Wage Rate 399.73

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
A. Per Monsoon Works (PPO/PYO)										
1	a. Survey and demarcation	1.00	399.73	50.00	449.73	5	3.80	1518.97	190	1708.97
	b. Preparation of treatment map (100m x 50m grid)	1.00	399.73	50.00	449.73	5	3.80	1518.97	190	1708.97
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3997.30	50.00	4047.30	5	38.00	15189.74	190	15379.74
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	12391.63	0.00	12391.63	5	117.80	47088.19	0	47088.19
3	Providing chain link fencing around plantation area. 102 rmt per ha Rs.2100/- per rmt.	170.00	67954.10	171496.00	239450.10	5	646.00	258225.58	651684.8	909910.38
4	Alignment of pits at 5m x 5m spacement. 625 pits per Ha (0.13 M.D. per 50 pits) M&S @ Rs.2.24 per 50 pits.	1.62	647.56	28.00	675.56	2375	6.16	2460.74	106.4	2567.14
5	Digging of pits of size 0.60 x 0.60 x 0.66 m (625 pits per ha 36.26 M.D per 100 pits)	207.88	83095.87	0.00	83095.87	2375	789.94	315764.32	0	315764.32
	Total	422.50	168885.93	171674.00	340559.93	3.80	1605.50	641766.52	652361.20	1294127.72
	Contingency 3 %			10216.80	10216.80				38823.83	38823.83
	Labour Welfare 4 %			13622.40	13622.40				51765.11	51765.11
	Grand Total	422.50	168885.93	195513.19	364399.12	3.80	1605.50	641766.52	742950.14	1384716.66

(Signature)

(M. U. Nikam)

Range Forest Officer
Phatkan
Phaltan, Dist. Satara

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacing - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Wage Rate 436.84

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District

Village - Girga Nigadi

F.C.No.- 821

Gat No:- 233/3

Ha.

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
B. First Year Operations										
1	Purchase of selected seedlings 687 seedling per ha (50% fruit bearing species Rs.50 per seedlings)	0.00	0.00	34350.50	34350.50	2611	0	0	130531.9	130531.90
2	Refilling of pits by good quality soil (2.5 M.D per 50 pits) a) 30 % soil replacement 40.50 cum per ha Rs.300/- per cum. b) Filling 10 % farm yard manure 13.50 cum per ha Rs.700/- per cum.	31.25	13651.25	21600.00	35251.25	2375	118.75	51874.75	82080	133954.75
3	Transport of seedlings from nursery to plantation site (including loading & unloading) Wages 1.00 md per 55 seedlings and M& S Rs.300/- per 55 seedlings	12.49	5456.13	3747.00	9203.13	2611	47.462	20733.30008	14238.6	34971.90
4	Planting of seedlings 625 seedlings (2.01 M.D per 50 seedlings)	25.13	10977.79	0.00	10977.79	2375	95.494	41715.59896	0	41715.60
5	Planting for 10% casualty replacement (2.00 M.D per 100 seedlings)	1.26	550.42	0.00	550.42	235.6	4.788	2091.58992	0	2091.59
6	3 weedings and 2 soil workings (3.40 M.D per 50 seedlings) fertilizer application Rs.0.45 per seedling	42.50	18565.70	281.00	18846.70	2375	161.5	70549.66	1067.8	71617.46
7	Watering the plants 4 times form oct to march (20 litre per 100 plants (As per Govt. Resolution EGS 28 dt.9/1/2009)	30.88	13489.62	0.00	13489.62	2375	117.344	51260.55296	0	51260.55
8	Water supply to plantation site by tanker and material supply as tanks, pipes etc.	0.00	0.00	10000.00	10000.00	3.8	0	0	38000	38000.00
9	Watch and ward (10 months - 1 watcher per 10 ha)	30.00	13105.20	0.00	13105.20	3.8	114	49799.76	0	49799.76
10	Fire tracing	2.00	873.68	0.00	873.68	3.8	7.6	3319.984	0	3319.98
11	Special technical works		0.00		7091.00		0	0	0	26945.8
	Total	175.51	76669.79	69978.50	153739.29		666.94	291345.20	265918.30	584209.30
	Contingency 3 %		0.00	4612.18	4612.18				17526.28	17526.28
	Labour Welfare 4 %		0.00	6149.57	6149.57				23368.37	23368.37
	Grand Total	175.51	76669.79	80740.25	164501.04	0.00	666.94	291345.20	306812.95	625103.95

(H) (Signature)
(M.U. Nikam)

Range Forest Officer
Phaltan, Dist. Satara

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacement - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District

Village - ~~Girga~~ Nigudi

F.C.No.- 821

Gat No:- 233/3

Wage Rate 480.52

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
C.Second Year Operations										
1	3 weedings and 2 soil workings (3.40 M.D per 50 plants) fertilizer application Rs.0.45 per seedling	42.50	20422.10	281.00	20703.10	2375	161.5	77603.98	1067.8	78671.78
2	Watering the plants 5 times (20 litre per 100 plants (As per Govt.Resolution EGS 28 dt.9/11/2009)	38.50	18500.02	0.00	18500.02	2375	146.3	70300.076	0	70300.076
3	Water supply to plantation site by tanker and material supply as tanks, pipes etc.		0.00	10000.00	10000.00	2375	0	0	38000	38000
4	Fire tracing	2.00	961.04	0.00	961.04	5	7.6	3651.952	0	3651.952
5	Special technical works		0.00		7091.00	5	0	0		26945.8
	Total	83.00	39883.16	10281.00	57255.16	3.80	315.40	151556.01	39067.80	217569.61
	Contingency 3 %		0.00	1717.65	1717.65				6527.09	6527.09
	Labour Welfare 4 %		0.00	2290.21	2290.21				8702.78	8702.78
	Grand Total	83.00	39883.16	14288.86	61263.02	3.80	315.40	151556.01	54297.67	232799.48

(Signature)
(M.U. Nirkam)

Range Forest Officer
Phaltan
Phaltan, Dist. Satara

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacement - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District

Village - ~~Chitani~~ Nigudi

F.C.No.- 821

Gat No.- 233/3

Area 3.80 Ha.

Wage Rate 528.57

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
D.Third Year Operations										
1	13 weedings and soil workings (3.40 M.D per 50 plants) fertilizer application Rs.0.45 per seedling	42.50	22464.23	281.00	22745.23	3.8	161.5	85364.055	1067.80	86431.855
2	Watering the plants 5 times (20 litre per 100 plants (As per Govt Resolution EGS 28 dt.9/11/2009)	15.38	8129.41	0.00	8129.41	3.8	58.444	30891.74508	0.00	30891.7451
3	Water supply to plantation site by tanker and material supply as tanks, pipes etc.		0.00	10000.00	10000.00	3.8	0	0	38000.00	38000
4	Watch and ward (12 months - 1 watcher per 10 ha)	36.50	19292.81	0.00	19292.81	3.8	138.7	73312.659	0.00	73312.659
5	Fire tracing	2.00	1057.14	0.00	1057.14	3.8	7.6	4017.132	0.00	4017.132
	Total	96.38	50943.58	10281.00	61224.58	3.80	366.24	193585.59	39067.80	232653.39
	Contingency 3 %		0.00	1836.74	1836.74				6979.60	6979.60
	Labour Welfare 4 %		0.00	2448.98	2448.98				9306.14	9306.14
	Grand Total	96.38	50943.58	14566.72	65510.30	3.80	366.24	193585.59	55353.54	248939.13


(M. B. Nikam)
Range Forest Officer,
Phaltan
Phaltan, Dist. Satara

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacement - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District

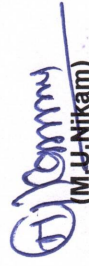
Village - ~~Girvi~~ Nigundi

F.C.No. - 821

Gat No:- 233/3

Wage Rate 581.42

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
E.Fourth Year Operations										
1	Fire Tracing	2.00	1162.84	0.00	1162.84	3.8	7.6	4418.792	0	4418.792
2	watch ward 12 months-1 watcher per 10.00 ha	36.50	21221.83	0.00	21221.83	3.8	138.7	80642.954	0	80642.954
	Total	38.50	22384.67	0.00	22384.67	3.80	146.30	85061.75	0.00	85061.75
	Contingency 3 %		0.00	671.54	671.54				2551.85	2551.85
	Labour Welfare 4 %		0.00	895.39	895.39				3402.47	3402.47
	Grand Total	38.50	22384.67	1566.93	23951.60	3.80	146.30	85061.75	5954.32	91016.07


(M. J. Nikam)

**Range Forest Officer
Phaltan
Phaltan, Dist. Satara**

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacing - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Wage Rate 639.56

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District

Village - Girvi Nigadi

F.C.No. - 821

Gat No:- 233/3

Area 3.80

Ha.

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
F.Fifth Year Operations										
1	Fire Tracing	2.00	1279.12	0.00	1279.12	3.8	7.6	4860.656	0	4860.656
2	watch ward 12 months-1 watcher per 10.00 ha	36.50	23343.94	0.00	23343.94	3.8	138.7	88706.972	0	88706.972
	Total	38.50	24623.06	0.00	24623.06	3.80	146.30	93567.63	0.00	93567.63
	Contingency 3 %		0.00	738.69	738.69				2807.03	2807.03
	Labour Welfare 4 %		0.00	984.92	984.92				3742.71	3742.71
	Grand Total	38.50	24623.06	1723.61	26346.67	3.80	146.30	93567.63	6549.73	100117.36

(Signature)
(M.U.Nikam)

Range Forest Officer
Phaltan
Phaltan, Dist. Satara

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacement - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District

Village - ~~Girvi~~ Niegudi

F.C.No. - 821

Gat No:- 233/3

Wage Rate 703.51

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
G.Sixth Year Operations										
1	Fire Tracing	2.00	1407.02	0.00	1407.02	3.8	7.6	5346.676	0	5346.676
2	watch ward 12 months-1 watcher per 10.00 ha	36.50	25678.12	0.00	25678.12	3.8	138.7	97576.837	0	97576.837
	Total	38.50	27085.14	0.00	27085.14	3.80	146.30	102923.51	0.00	102923.51
	Contingency 3 %		0.00	812.55	812.55				3087.71	3087.71
	Labour Welfare 4 %		0.00	1083.41	1083.41				4116.94	4116.94
	Grand Total	38.50	27085.14	1895.96	28981.09	3.80	146.30	102923.51	7204.65	110128.16

(Signature)
(M. U. Nikam)

Ranger Forest Officer
Phaltan
Phaltan, Dist. Satara

Model Rate Structure for Compensatory Afforestation

Model No.5

Model rate of intensive irrigated plantation on degraded areas with 18 months old seedling (Voluntarily accepted by user agency. Undertaking of the user agency is mandatory.)

Spacing - 4.00m x 4.00m

Size of Pits - 0.60 x 0.60 x 0.60 m

No of Seedlings - 625 per ha

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District
Village - ~~Girvi~~ Nigadi

F.C.No. - 821

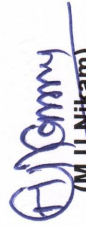
Gat No:- 233/3

Area

Ha.

Wage Rate 773.86

Sr. No.	Particular of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Quantity	Mandays	Wages	Material Supply	Total
G.Seventh Year Operations										
1	Fire Tracing	2.00	1407.02	0.00	1407.02	3.8	7.6	5881.336	0	5881.336
2	watch ward 12 months-1 watcher per 10.00 ha	36.50	25678.12	0.00	25678.12	3.8	138.7	107334.382	0	107334.382
	Total	38.50	27085.14	0.00	27085.14	3.80	146.30	113215.72	0.00	113215.72
	Contingency 3 %		0.00	812.55	812.55				3396.47	3396.47
	Labour Welfare 4 %		0.00	1083.41	1083.41				4528.63	4528.63
	Grand Total	38.50	27085.14	1895.96	28981.09	3.80	146.30	113215.72	7925.10	121140.82


(M. U. Nikam)
Range Forest Officer
Phaltan
Phaltan, Dist. Satara

Abstract for Model No.5

F.C.No. 821

Area

3.80

Ha.

Village - **Girvi Nigudi**

Name of Project - Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District
(Amount in Rs.)

Sr. No.	Year of Operation	Man days	Wages	Material supply	Total	Other Expense	Total	Total amount (rounded off)
1	Per Monsoon works	1605.50	641766.52	652361.20	1294127.72	90588.94	1384716.66	1384717.00
2	First Year Operations	666.94	291345.20	265918.30	557263.50	67840.45	625103.95	625104.00
3	Second Year Operations	315.40	151556.01	39067.80	190623.81	42175.67	232799.48	232799.00
4	Third Year Operations	366.24	193585.59	39067.80	232653.39	16285.74	248939.13	248939.00
5	Fourth Year Operations	146.30	85061.75	0.00	85061.75	5954.32	91016.07	91016.00
6	Fifth Year Operations	146.30	93567.63	0.00	93567.63	6549.73	100117.36	100117.00
7	Sixth Year Operations	146.30	102923.51	0.00	102923.51	7204.65	110128.16	110128.00
8	Seventh Year Operations	146.30	113215.72	0.00	113215.72	7925.10	121140.82	121141.00
	Total	3539.28	1673021.92	996415.10	2669437.02	244524.60	2913961.62	2913961.00

Cost per plants Rs.1191.99

Note :- The Rates indicated are as per Principal Conservator Of Forest

(Hoff) Maharashtra State, Nagpur, Sanctioned Order No.Desk-

1/EGS/P.K.10/2282/2017-18 Nagpur Dated.07/03/2018

Model Rate Structure For Compensatory Afforestation Model No.5

Dy. Conservator of Forest
Satara Forest Division Satara

Assistant Conservator of Forest
Satara Forest Division Satara

Range Forest Officer
Phelpatant Satara

Suitability Certificate

This is to certify that, undersigned has inspected the area 3.80 Ha. Degraded forest F.C.no. 821, S. No.233/3, at village – Nirgudi, Tal. Phaltan, Dist. Satara. This degraded forest land is selected for Compensatory afforestation in lieu of forest land required to proposal for diversion of forest land for Upgradation of the newly declared **Proposal of Mahapratap Ropeway Mahabaleshwar to Pratapgad in Mahabaleshwar Tehsil Satara District** in the state of Maharashtra, through forest land and it is suitable for afforestation and it is free from encroachment.

Date -

Place - Phaltan


(M.U. Nikam)

Range Forest Officer,
Phaltan, Dist. Satara


(M.N. Mohite)

Dy. Conservator of Forests,
Satara Forest Division, Satara.

રોપવન રચવલકિ નકશા

COMPART
MENT
821

320

કો. ૧૫૫૬

નિરમુડી
ગાવઠાવ

ગાવઠાવ

૧૪૮

૨૬૪
૮

કો. ૫૧૩૩

કો. ગ. ન.

233

COMPART
MENT
821

કો. જ. ન.
૩૭

૨૬૭

૨૬૨

૨૬૩

૨૬૧૦

૨૬૪

૨૪૭

૨૪૫

૨૪૨

૨૪૩

૨૪૬

૨૪૪

૨૪૬

૨૪૫

૨૬૦

કો. ગ. ન.

242

કો. ૫૦૫૬

કો.

સા

સા

ક

લ

ચી

મી

ક

N

સ્કેલ ૧ = ૫૦૦૦

મોડે - નિરમુડી

સા. મા. પ. કો. ક. કો. ક. કો. ક. કો. ક.

૧) નિરમુડી - ૪૫૬ - ૬૨૪

૨) - ૫૪ - ૨૫૬ - ૪૬૪

૩) - ૩૨૫ - ૧૫૪

૧૩.૩૨

૪) - ૩૫ - ૨૩૩/૩ - ૫૧૩

નમુના ૧ ના કોડી ૩૦.૬૫

૫૧૨ નિમ્નો

વનપરિશોજ - ખાતર
વનપરિશોજ - ખાતર
નિયંત્રણ - ગિરવી
વનગાવ - નિરમુડી
કો. ક. ન. ૮૨૭
ગ. ન. ૨૩૩૧૩
કુળ વનકોષ ૫.૭૩૬
પ્રવેશ રોપવન કોષ
૩.૮૦ હે.

વનશક્તિ વિભાગ

વનપાલ કલદમ

Range Forest Officer
Phaltan, Dist. Satara



Start



Route from 2021-08-08 13:42

End

वनपरिक्षेत्र - जालरा
वनपरिक्षेत्र - जालरा
नियतक्षेत्र - गिरवा
वनभावा - गिरवा
जॉ. क. नं. ८२७
जॉ. भ. नं. २३३१३
उत्तुग वनक्षेत्र ०.०३६
प्रस्तावित क्षेत्र
क्षेत्र ३.८०६

Route from 2021-08-08

रान्ग फॉरेस्ट ऑफिसर
प्रिया, डिस्ट. सारा

Range Forest Officer
Prityan, Dist. Saram

रान्ग फॉरेस्ट ऑफिसर



12

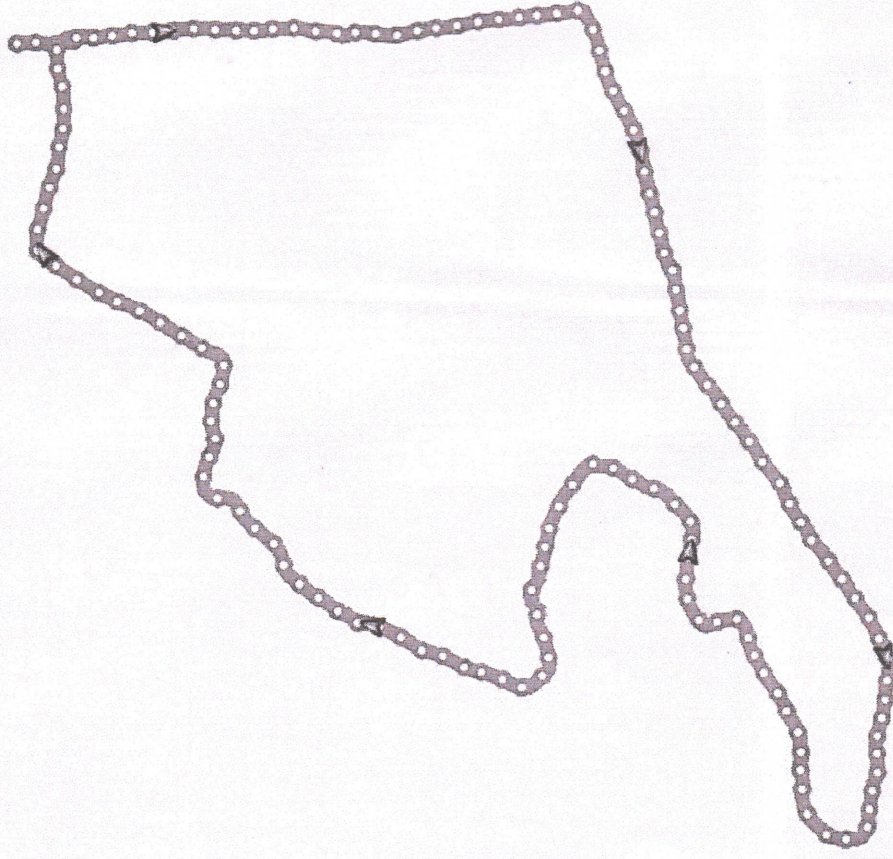


Route from 2021-08-13-42



Route from 2021-08-13-42

Route from 2021-08-13-42



GIPS Polygon

वनपरिक्षेत्र - फाळटा

वनपरिमंडळ - फाळटा

नियतक्षेत्र - गिरवी

वनगाव :- मिरगुडी

प्लॉ-क.नं ८२७

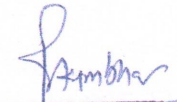
प्लॉ-ग.नं २३३/३

एकुण वनक्षेत्र ७.७३ हे.

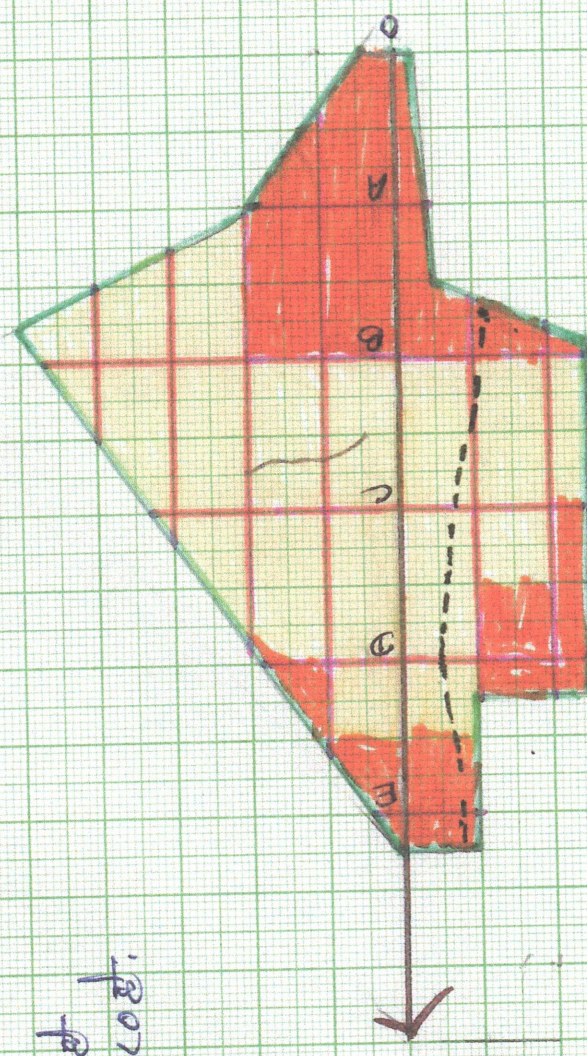
प्रस्तावित शेपवन क्षेत्र ३.८० हे.


वनरक्षक अधिकारी


Range Forest Officer
Phaltan, Dist. Satara


वनपाल फलटण

वनपरिक्षेत्र - जाजरण
 वनपरिमंडल - जाजरण
 नियन्त्रण - द्वारपी
 वनगाव - बिरगुडी
 मा.क.नं. ८२७
 ग.नं. २३३/३
 एकुल वनक्षेत्र ७०१३ हे.
 प्रस्तावित रोपवनक्षेत्र ३.८० हे.



- अनुधि,
- रोपवन वनक्षेत्र
 - वैसाखीन
 - गुडि लाईन
 - रोपवन चोखवक्षेत्र
 - अयोध्या क्षेत्र
 - इस्ती
 - अक्षर

Range Forest Officer
 Phatian, Dist. Satara

[Signature]
 [Name]
 [Title]

[Signature]
 [Name]
 [Title]