CERTIFICATE

Compensatory Afforestation area suitability Certificate

This is to certify that the undersigned has inspected the area 4.55 Ha. (private land) under survey no. 232/2 in Gond mohadi Village, Chimur Taluka, Chandrapur district as alternate land for compensatory afforestation in lieu of forest land required for the purpose of Goregaon Mulund link road project. The said area is contiguous to the reserve/protected forest of Tadoba Buffer. The canopy density of the said land is more than 0.4, hence the area may not be suitable for plantation/compensatory afforestation. But the said area falls within the Tadoba Buffer zone and is very much suitable for management from the Wildlife point of view. Hence the same is recommended.

The details of private land as alternate land for compensatory afforestation is given below.

Sr. No.	Taluka	Range	Round	Beat	Name of Village	Survey No.	Total Area in Ha.	Area suitable for C.A. in Ha.
1	Chimur	Palasgaon	Palasgaon	Gond mohadi	Gond mohadi	232/2	4.55	4.55
Total							**4.55**	**4.55**

Chandrapur
Date –

(G. Guruprasad)
Dy.Director (Buffer)
Tadoba Andhari Tiger Reserve,
Chandrapur

उपसंचालक(बफर), ताडोबा अंधारी व्याघ्र प्रकल्प, चंद्रपूर यांचे कार्यालय
OFFICE OF THE DEPUTY DIRECTOR (BUFFER), T.A.T.R CHANDRAPUR
रामबागवनवसाहत, मुलरोड,चंद्रपूर

Email-dycfcha@gmail.com Telephone No. 07172-252218 Fax No. 07172-276420

विषय – खाजगी क्षेत्र गोरेगांव मुलुंड लिंक रोड प्रकल्पाच्या पर्यायी वनिकरणाकरिता उपयुक्त क्षेत्राबाबतचे प्रमाणपत्र.

कक्ष-5/सर्व्हे/जमिन/ 1058

चंद्रपुर दि- 3/12/19

प्रति,
वनसंरक्षक तथा क्षेत्रसंचालक
ताडोबा अंधारी व्या. प्र. चंद्रपूर

संदर्भ – 1) मुख्य अभियंता (जी.एम.एल.आर.) पूल, बृहन्मुंबई महानगरपालिका यांचे कार्यालयीन पत्र क्रमांक प्र.अभि/19/156/ जी.एम.एल.आर, दिनांक 24 जुलै 2019
2) आपले कार्यालयीन पत्र क्रमांक कक्ष-5/सर्व्हे/2019-20/1525, दिनांक 03.08.2019

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उपरोक्त विषयाच्या अनुषंगाने कळविण्यात येते की, गोरेगांव मुलुंड लिंक रोड प्रकल्पाचे पर्यायी वनिकरणाकरिता क्षेत्राची निवड करून पर्यायी वनिकरण क्षेत्राचे Suitability Certificate सादर करण्याबाबत सुचना प्राप्त झालेल्या आहेत. त्याअनुषंगाने चंद्रपूर जिल्हयात या वनविभागाच्या कार्यक्षेत्रात असलेल्या खाजगी क्षेत्राची तपासणी केली असता. सदरहू क्षेत्र वनक्षेत्राला लागून असल्याने वनविभागाचे दृष्टिने (Management point of view) योग्य आहे. सदर क्षेत्र ताडोबा बफर वनविभागाचे कार्यक्षेत्रात असून खाजगी जमिन राखिव व संरक्षित वनाला लागून आहे. सदर क्षेत्र Eco sensitive Zone च्या क्षेत्रात मोडतात त्याचप्रमाणे फार मोठया प्रमाणात उभे झाडं/बांबू रांझी असून जंगल तयार झालेले आहे. व मोठया प्रमाणात वन्यप्राण्याचा वावर आहे.

विषयांकित प्रकल्पाकरिता पर्यायी वनिकरणासाठी उपयुक्त बाबतचे प्रमाणपत्र पत्रासोबत सहपत्रित करण्यात येत आहे.

अ.क्र.	तालुका	गावांचे नांव	सर्व्हे क्रमांक	क्षेत्र (हे)
1	चिमूर	गोंड मोहाडी	232/2	4.55

सहपत्र – वरिलप्रमाणे प्रमाणपत्र

3/12/19

उपसंचालक (बफर)
ताडोबा-अंधारी व्याघ्र प्रकल्प, चंद्रपूर

सत्यमेव जयते
महाराष्ट्र शासन
वनविभाग

दुरध्वनी क्र. 07172-252218 उपसंचालक (बफर), ताडोबा अंधारी व्याघ्र प्रकल्प, चंद्रपूर यांचे कार्यालय
Email-dycfcha@gmail.com रामबाग वनवसाहत, मुल रोड, चंद्रपूर

क्रमांक कक्ष-5/सर्व्हे/जमिन/ 625 दिनांक - 26-8-2020

प्रति,
वनसंरक्षक तथा क्षेत्रसंचालक
ताडोबा अंधारी व्या. प्र. चंद्रपूर

विषय – मुंबई महानगरपालिकेच्या गोरेगांव मुलुंड लिंक रोड प्रकल्पाकरिता पर्यायी वनिकरणासाठी 4.55 हेक्टर क्षेत्राचे Compensatory afforestation Scheme व नकाशे सादर करणेबाबत..

संदर्भ – या कार्यालयाचे पत्र क्रमांक कक्ष-5/सर्व्हे/जमिन/1058, दिनांक 03.12.2019

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उपरोक्त विषयांकित प्रकल्पाच्या अनुषंगाने या वनविभागाच्या कार्यक्षेत्रातील 4.55 हेक्टर खाजगी क्षेत्र चिमुर तालुक्यातील मौजा-गोंडमोहाडी येथील प्रकल्प यंत्रणेने क्षेत्र उपलब्ध करून दिलेले आहे. त्याअनुषंगाने प्रत्यक्षात मौकास्थळ पाहणी करून उपयुक्त क्षेत्राबाबतचे प्रमाणपत्र या कार्यालयाचे संदर्भिय पत्रान्वये सादर करण्यात आलेले आहे.

तथापी सदरचे क्षेत्र 0.4 घनतेपेक्षा जास्त असल्याने त्याठिकाणी रोपवन घेता येणे शक्य नसल्याने वनविभागाच्या अखत्यारित असलेले राखिव व संरक्षित वनक्षेत्र परिक्षेत्र शिवणी उपक्षेत्र शिवणी व नियतक्षेत्र शिवणी येथिल कक्ष क्रमांक 840 व 232 मधिल अवनत वनक्षेत्र (Degrated Forest) निवड करण्यात आलेली आहे. त्यानुसार 10 वर्षांकरिता C.A. Scheme तयार करून नकाशे व Google Earth Map (Hard & Soft copy) पत्रासोबत सहपत्रित करण्यात येत आहे.

सहपत्र – वरिलप्रमाणे

स.उ.
27/8/2020
उपसंचालक (बफर)
ताडोबा-अंधारी व्याघ्र प्रकल्प, चंद्रपूर

प्रतिलीपी – वनपरिक्षेत्र अधिकारी, शिवणी यांना वरिलप्रमाणे माहिती व आवश्यक कार्यवाही करिता अग्रेषित.

प्रतिलीपी – कक्ष प्रमुख योजना यांना वरिलप्रमाणे माहिती व आवश्यक कार्यवाहीस रवाना.

COMPENSATORY AFFORESTATION SCHEME
Model No. 3

Division: Tadoba - Andhari Tiger Reserve, (Buffer) Chandrapur
Range: Shivani
Round: Shivani
Beat: Shivani
Copmartment No. : 232 & 840

Total Area (Ha.): 4.55
Spacement - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha.
Wages (Rs.): 390.38
Periferal Length (meter): 4300

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 4.55 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	**a. Survey and demarcation**	1.00	390.38	50.00	440.38	4.55	1776.23	227.50	2003.73
	b. Preparation of treatment map (100 m 50 m grid)	1.00	390.38	50.00	440.38	4.55	1776.23	227.50	2003.73
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3903.80	50.00	3953.80	45.50	17762.29	227.50	17989.79
2	Soil and moisture conservation works includidng collection of rubbles from area upto 30 m etc.	31.00	12101.78	0.00	12101.78	141.05	55063.10	0.00	55063.10
3	Alignment of 1200 rmt of CCT at 8.00 m spacement) (0.25 M.D per 100 rmt and M&S. Rs. 40 per 100 rmt).	3.00	1171.14	96.00	1267.14	13.65	5328.69	436.80	5765.49
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down word slope (1200 rmt per ha. - 0.15 per rmt)	183.60	71673.77	0.00	71673.77	835.38	326115.64	0.00	326115.64
5	**Chainling And Fencing 962 Mtr 1200 per rmt**	170.00	66364.60	62944.17	129308.77	731.00	285367.78	286395.97	571763.75
6	Alignment of pits at 3.0 x 3.0 m spacement 1111 pits per ha (Wages 0.13 M.D and MS. Rs. 2.24 per 50 pits)	2.89	1128.20	50.00	1178.20	13.15	5133.30	227.50	5360.80
7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (6.60 M.D. per 100 pits)	73.33	28626.57	0.00	28626.57	333.65	130250.87	0.00	130250.87
8	Inspection Path	1.00	390.38	0.00	390.38	4.55	1776.23	0.00	1776.23
9	Work information bourd Per site 1 Bourd @ 6000/- per	0.00	0.00	6000.00	6000.00	0	0.00	144840.00	144840.00
	Total	**476.82**	**186140.99**	**69240.17**	**255381.16**	**2127.03**	**830350.36**	**432582.77**	**1262933.14**
	Contingency 3%						24910.51	0	24910.51
	Labour Welfare 4%						33214.01	0	33214.01
	GST 12%						0	51909.93	51909.93
	Grand Total	**476.82**	**186140.99**	**69240.17**	**255381.16**	**2127.03**	**888474.89**	**484492.71**	**1372967.59**

B. First Year Operation									
1	Purchesing Tall Plants 1111 per Ha. @250 Per Plant	0.00	0.00	277750.00	277750.00	0.00	0.00	1263762.50	1263762.50
	Transportation of plants	1.55	605.09	1333.00	1938.09	7.05	2753.15	6065.15	8818.30
2	Refiling of pits with good quality soil a) 1.66 MD per100 pits b) 20% soil replacement , 20 cum per ha Rs 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs.700 per cum	18.44	7198.61	9500.00	16698.61	83.90	32753.66	43225.00	75978.66
3	Sowing of seeds on CCT1200 rmt 5 kg per ha @ Rs 50 per Kg	12.00	4684.56	325.00	5009.56	54.60	21314.75	1478.75	22793.50
4	Removal of weeds from CCT (1.20 MD per 100 rmt)	14.40	5621.47	0.00	5621.47	65.52	25577.70	0.00	25577.70
5	Planting of seedling 1111 per ha (1MD per 100 seedling)	19.11	7460.16	0.00	7460.16	86.95	33943.74	0.00	33943.74
6	3 weedings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	38.88	15177.97	650.00	15827.97	176.90	69059.78	2957.50	72017.28
7	Purchrsing 10% Casualty Plants 111 @250 per plant	0.00	0.00	27750.00	27750.00	0.00	0.00	126262.50	126262.50
8	Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1733.29	0.00	1733.29	20.20	7886.46	0.00	7886.46
9	Watch and ward (10 months) 1 watcher per 10 ha	30.00	11711.40	0.00	11711.40	136.50	53286.87	0.00	53286.87
10	Fire tracing	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
	Total	**140.82**	**54973.31**	**317308.00**	**372281.31**	**640.73**	**250128.57**	**1443751.40**	**1693879.97**
	Contingency 3%						7503.86	0.00	7503.86
	Labour Welfare 4%						10005.14	0.00	10005.14
	GST 12%						0.00	173250.17	173250.17
	Grand Total	**140.82**	**54973.31**	**317308.00**	**372281.31**	**640.73**	**267637.57**	**1617001.57**	**1884639.14**

C. Second Year Operation									
1	Purchesing Tall Plants for 20% Casualty @250 Per Plant per ha 222 plants	0.00	0.00	55500.00	55500.00	0.00	0.00	252525.00	252525.00
2	2 weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	27.77	10840.85	650.00	11490.85	126.35	49325.88	2957.50	52283.38
3	Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1733.29	0.00	1733.29	20.20	7886.46	0.00	7886.46
4	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
5	Fire tracing	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
	Total	**70.71**	**27603.77**	**56150.00**	**83753.77**	**321.73**	**125597.15**	**255482.50**	**381079.65**
	Contingency 3%						3767.91	0.00	3767.91
	Labour Welfare 4%						5023.89	0.00	5023.89
	GST 12 %						0.00	30657.90	30657.90
	Grand Total	**70.71**	**27603.77**	**56150.00**	**83753.77**	**321.73**	**134388.95**	**286140.40**	**420529.35**

D. Third Year Operations									
1	One weeding. 1 soil working (1.50MD per 100 seedlings)	16.67	6507.63	0.00	6507.63	75.85	29609.74	0.00	29609.74
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
3	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
	Total	**55.17**	**21537.26**	**0.00**	**21537.26**	**251.02**	**97994.55**	**0.00**	**97994.55**
	Contingency 3%						2939.84	0.00	2939.84
	Labour Welfare 4%						3919.78	0.00	3919.78
	Grand Total	**55.17**	**21537.26**	**0.00**	**21537.26**	**251.02**	**104854.17**	**0.00**	**104854.17**

E. Fourth Year Operations									
1	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
2	Watch and ward 12 months 1 watcher 20.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
	Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**68384.82**	**0.00**	**68384.82**
	Contingency 3%						2051.54	0.00	2051.54
	Labour Welfare 4%						2735.39	0.00	2735.39
	Grand Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**73171.75**	**0.00**	**73171.75**

F. Fifth Year Operations									
1	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
	Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**68384.82**	**0.00**	**68384.82**
	Contingency 3%						2051.54	0.00	2051.54
	Labour Welfare 4%						2735.39	0.00	2735.39
	Grand Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**73171.75**	**0.00**	**73171.75**

G. Sixth Year Operations.									
1	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
	Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**68384.82**	**0.00**	**68384.82**
	Contingency 3%						2051.54	0.00	2051.54
	Labour Welfare 4%						2735.39	0.00	2735.39
	Grand Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**73171.75**	**0.00**	**73171.75**

H. Seventh Year Operations									
1	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
	Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**68384.82**	**0.00**	**68384.82**
	Contingency 3%						2051.54	0.00	2051.54
	Labour Welfare 4%						2735.39	0.00	2735.39
	Grand Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**73171.75**	**0.00**	**73171.75**

I. Eighth Year Operations									
1	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
	Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**68384.82**	**0.00**	**68384.82**
	Contingency 3%						2051.54	0.00	2051.54
	Labour Welfare 4%						2735.39	0.00	2735.39
	Grand Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**73171.75**	**0.00**	**73171.75**

J. Nineth Year Operations									
1	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
	Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**68384.82**	**0.00**	**68384.82**
	Contingency 3%						2051.54	0.00	2051.54
	Labour Welfare 4%						2735.39	0.00	2735.39
	Grand Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**73171.75**	**0.00**	**73171.75**

K. Tenth Year Operations									
1	Fire trenching	2.00	780.76	0.00	780.76	9.10	3552.46	0.00	3552.46
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	14248.87	0.00	14248.87	166.08	64832.36	0.00	64832.36
	Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**68384.82**	**0.00**	**68384.82**
	Contingency 3%						2051.54	0.00	2051.54
	Labour Welfare 4%						2735.39	0.00	2735.39
	Grand Total	**38.50**	**15029.63**	**0.00**	**15029.63**	**175.18**	**73171.75**	**0.00**	**73171.75**

(G.Guruprasad)
Dy Director (Buffer)
Tadoba-Andhari Tiger Reserve, Chandrapur

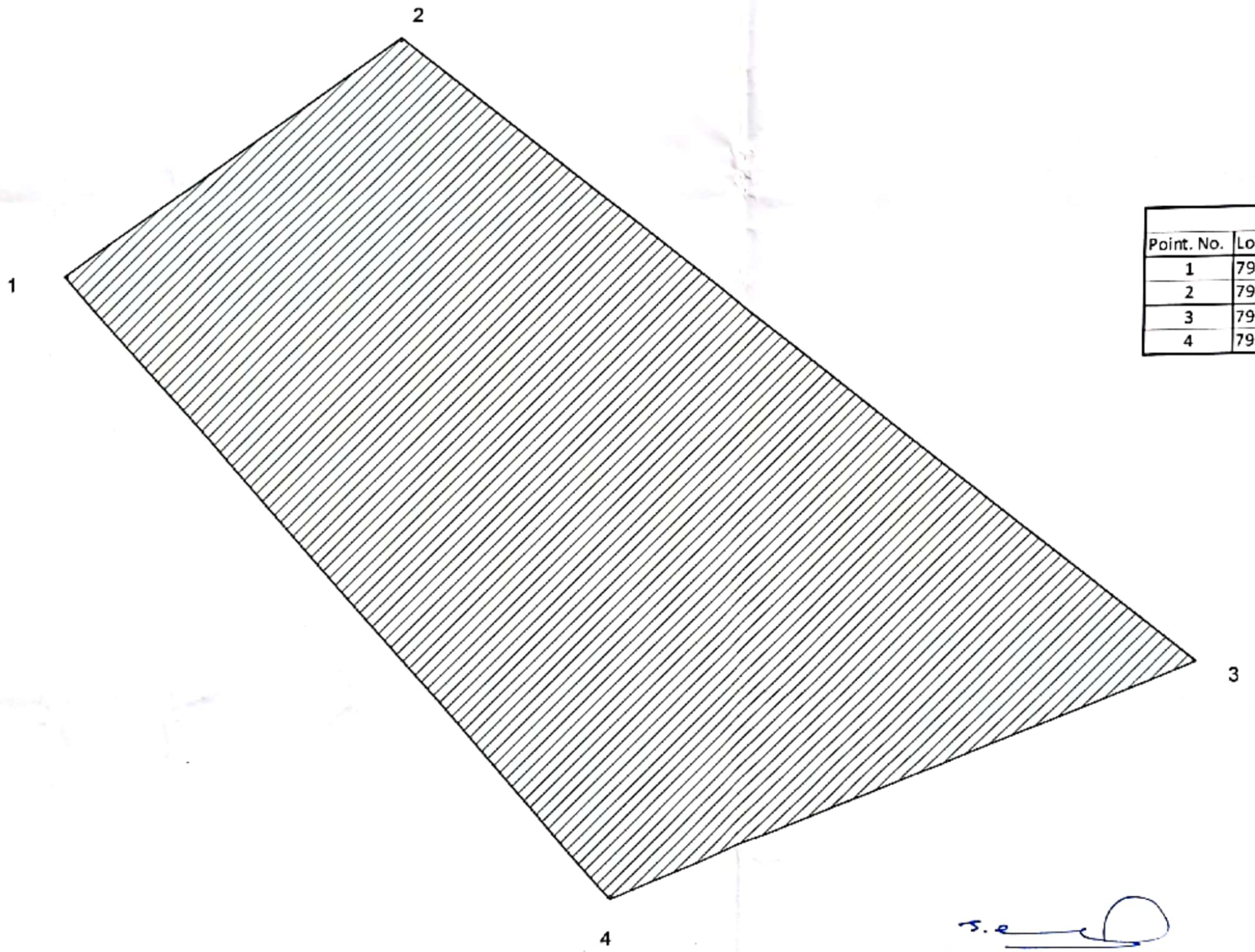
ABSTRACT

Sr. No.	Year of Operation	Expenditure per ha.				Expenditure for 4.55 ha.							
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)	Contingency 3%	Labour Welfare 4%	G. S. T. 12%	Grand Total
1	Pre-Monsoon works	476.82	186140.9916	69240.17	255381.1616	2127.031	830350.362	432582.7735	1262933.135	24910.51	33214.01447	51909.93	1372967.59
2	First Year Operation	140.82	54973.3116	317308.00	372281.31	640.73	250128.568	1443751.4	1693879.97	7503.86	10005.14271	173250.17	1884639.14
3	Second Year Operation	70.71	27603.7698	56150.00	83753.77	321.73	125597.153	255482.5	381079.65	3767.91	5023.886104	30657.90	420529.35
4	Third Year Operation	55.17	21537.2646	0.00	21537.26	251.02	97994.5539	0	97994.55	2939.84	3919.782157	0.00	104854.17
5	Fourth Year Operation	38.50	15029.63	0.00	15029.63	175.18	68384.8165	0	68384.82	2051.54	2735.39266	0.00	73171.75
6	Fifth Year Operation	38.50	15029.63	0.00	15029.63	175.18	68384.8165	0	68384.82	2051.54	2735.39266	0.00	73171.75
7	Sixth Year Operation	38.50	15029.63	0.00	15029.63	175.18	68384.8165	0	68384.82	2051.54	2735.39266	0.00	73171.75
8	Seventh Year Operation	38.50	15029.63	0.00	15029.63	175.18	68384.8165	0	68384.82	2051.54	2735.39266	0.00	73171.75
9	Eighth Year Operation	38.50	15029.63	0.00	15029.63	175.18	68384.8165	0	68384.82	2051.54	2735.39266	0.00	73171.75
10	Nineth Year Operation	38.50	15029.63	0.00	15029.63	175.18	68384.8165	0	68384.82	2051.54	2735.39266	0.00	73171.75
11	Tenth Year Operation	38.50	15029.63	0.00	15029.63	175.18	68384.8165	0	68384.82	2051.54	2735.39266	0.00	73171.75
		1013.02	**395462.75**	**442698.17**	**838160.92**	**4566.74**	**1782764.35**	**2131816.67**	**3914581.03**	**53482.93**	**71310.57**	**255818.00**	**4295192.53**
										Grand Total			**4295193.00**

S.e

(G.Guruprasad)
Dy Director (Buffer)
Tadoba-Andhari Tiger Reserve, Chandrapur

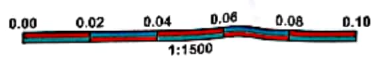
Tadoba- Andhari Tiger Resurve (Buffer) Chandrapur
Range - Shivani , Round - Shivani, Beat - Shivani
Proposed 4.55 Ha. Degreaded Forest Land in C.No. 232 and 840 For C.A. of Goregaon Mulund Link Road Project



Cordinate Of CA Land

Point. No.	Longitude	Latitute
1	79:31:53.251	20:18:18.572
2	79:31:56.887	20:18:21.028
3	79:32:05.675	20:18:14.404
4	79:31:59.295	20:18:11.969

Deputy Director (Buffer)
T.A.T.R.,CHANDRAPUR



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Compartment Boundary

Proposed CA Area

Tadoba- Andhari Tiger Resurve (Buffer) Chandrapur

ange - Shivani , Round - Shivani, Beat - Shivani

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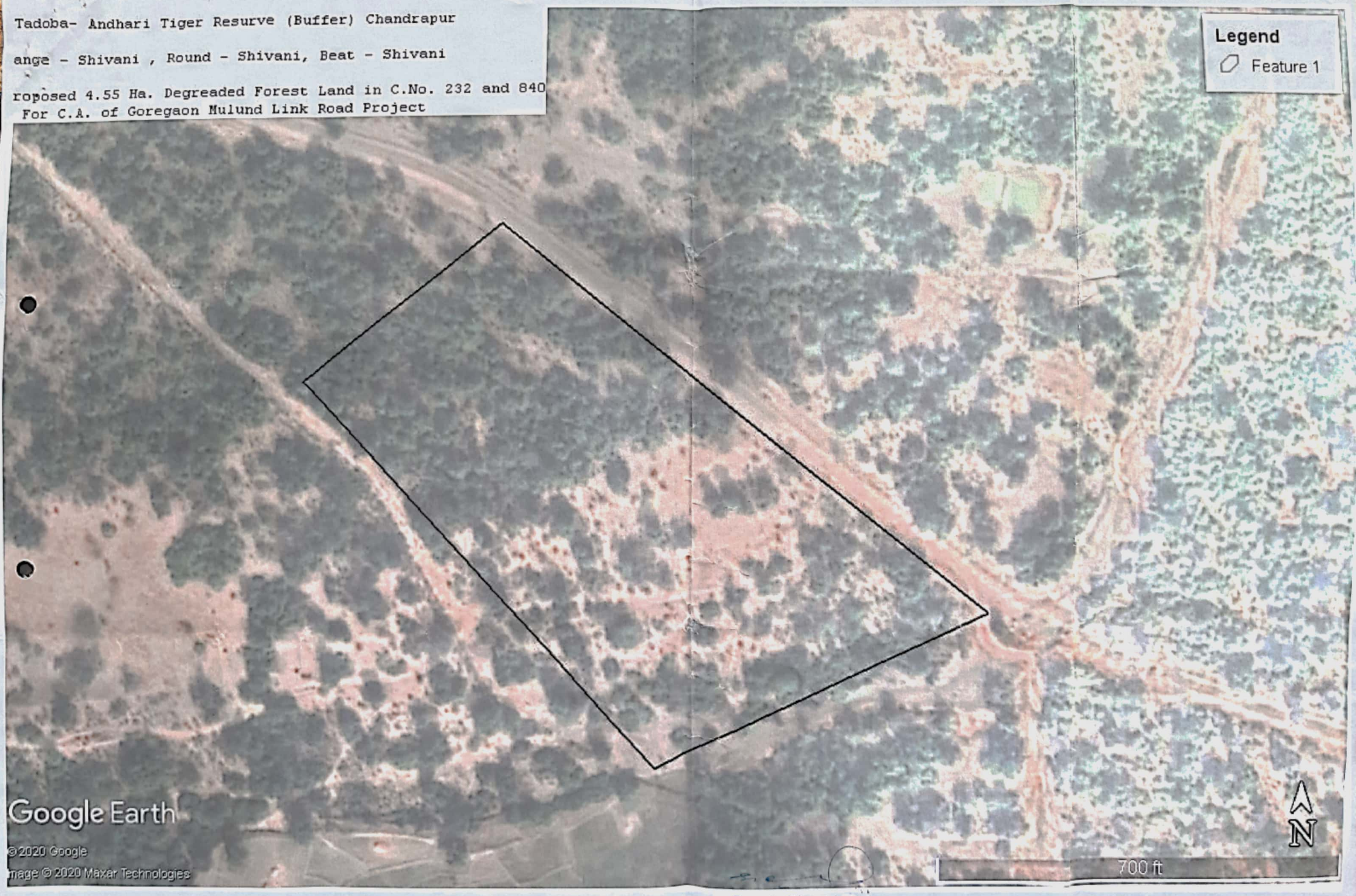
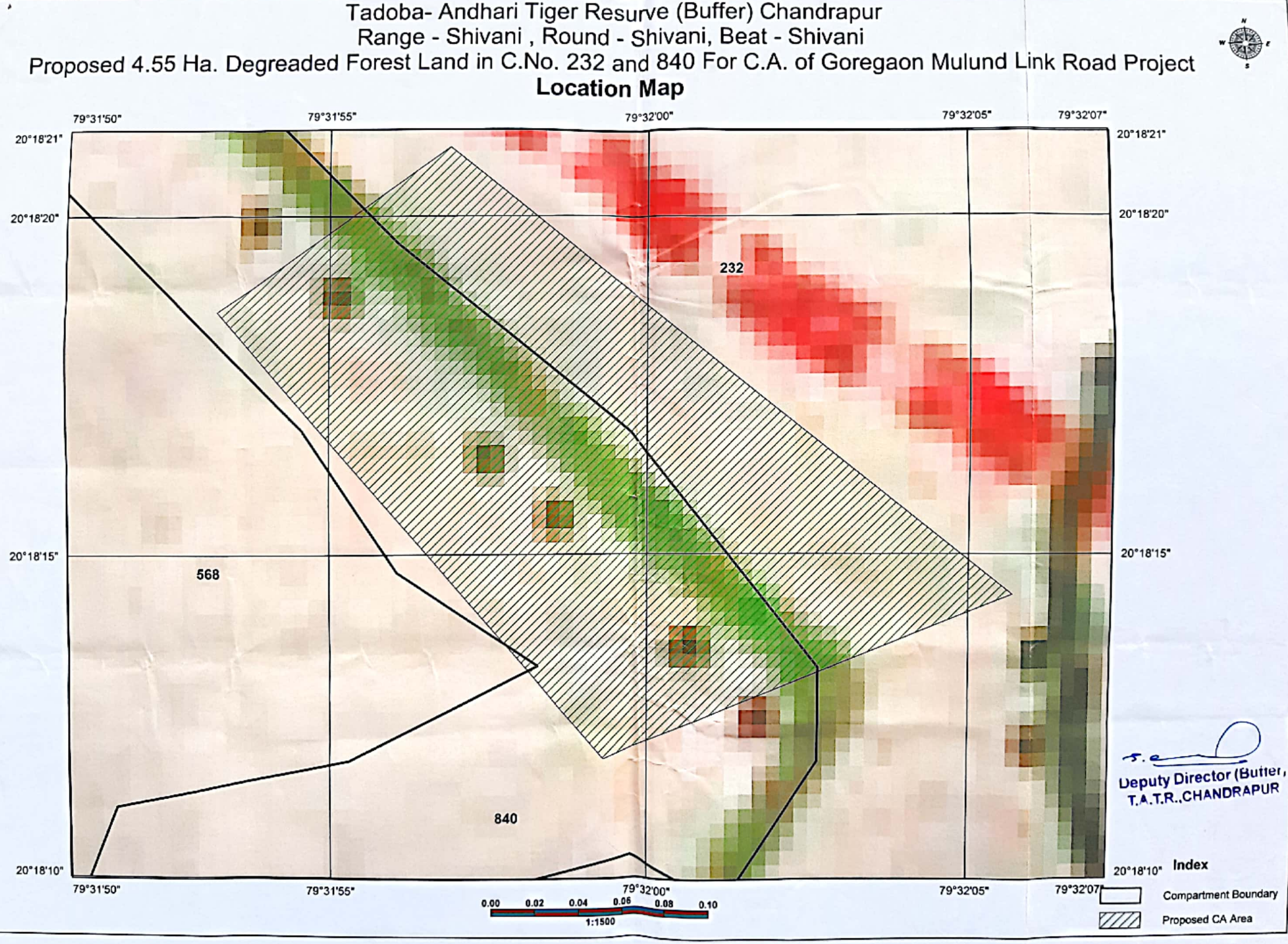
For C.A. of Goregaon Mulund Link Road Project



Deputy Director (Buffer),
T.A.T.R., CHANDRAPUR

Tadoba- Andhari Tiger Resurve (Buffer) Chandrapur
Range - Shivani , Round - Shivani, Beat - Shivani
Proposed 4.55 Ha. Degreaded Forest Land in C.No. 232 and 840 For C.A. of Goregaon Mulund Link Road Project
Location Map



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