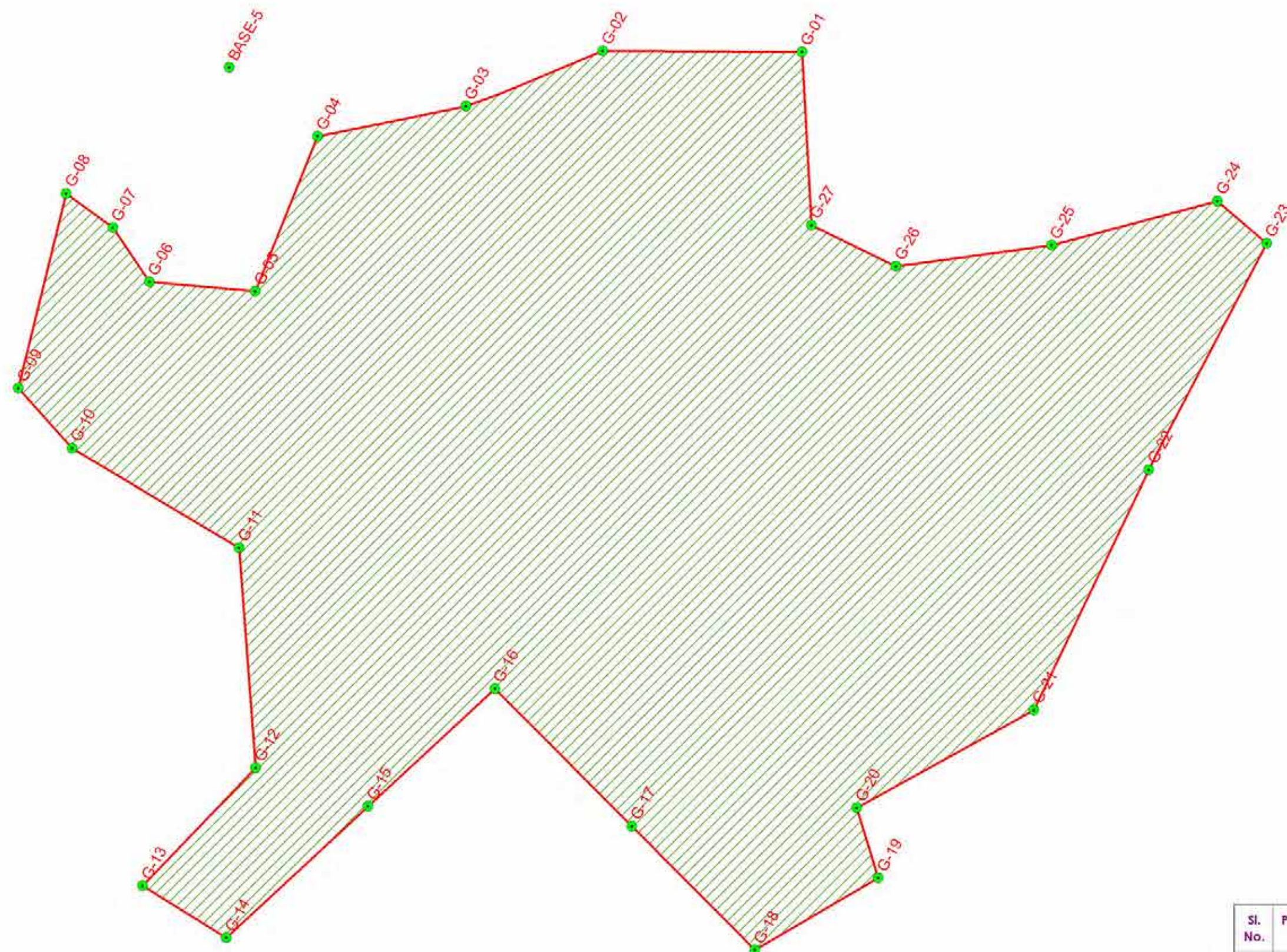


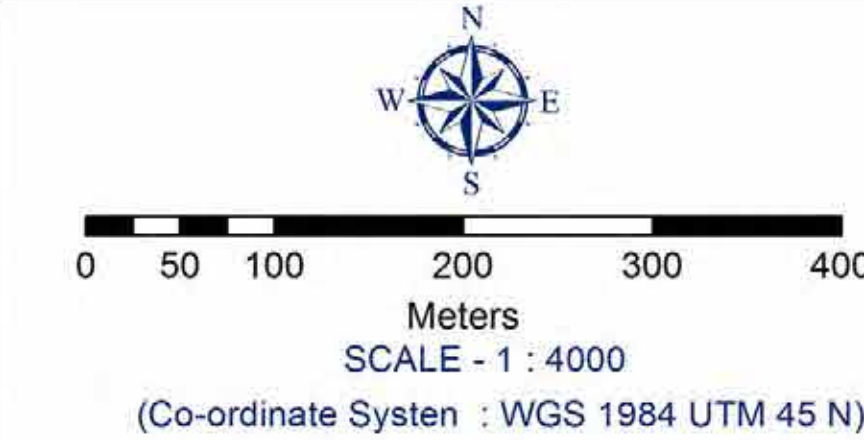
MAP SHOWING DEGRADED FOREST LAND OF 51.999 Ha. IN PITHAKHAI RF UNDER NAYAGARH FOREST DIVISION FOR PROPOSED COMPENSATORY AFFORESTATION IN LEIU OF 292.289 Ha.

FOREST LAND PROPOSED FOR DIVERSION FOR THE CONSTRUCTION OF KHURDA ROAD BOLANGIR NEW BG RAIL LINK PROJET OF EAST COAST RAILWAY.

(Range : Gania, Forest Division : Nayagarh)



Sl. No.	Pillar No.	Co-ordinates		Distance Between	Distance in Meter	Fore Bearing				Back Bearing			
		X (Easting)	Y (Northing)			Deg.	d	m	s	Deg	d	m	s
1	G-01	280093.28850	2257335.11197		0.000								
2	G-02	279914.42980	2257336.17031	G-01-G-02	178.862	270.33902	270	20	20.48758	90.3390243	90	20	20.48758
3	G-03	279791.21310	2257286.42854	G-02-G-03	132.878	68.01640	68	0	59.02962	248.016397	248	0	59.02962
4	G-04	279657.86283	2257259.44099	G-03-G-04	136.054	78.55896	78	33	32.24206	258.558956	258	33	32.24206
5	G-05	279601.96288	2257120.13097	G-04-G-05	150.107	21.86377	21	51	49.55563	201.863765	201	51	49.55563
6	G-06	279506.71269	2257128.59765	G-05-G-06	95.626	275.07961	275	4	46.58827	95.0796079	95	4	46.58827
7	G-07	279473.90429	2257177.28109	G-06-G-07	58.707	326.02346	326	1	24.44147	146.023456	146	1	24.44147
8	G-08	279432.00000	2257208.00000	G-07-G-08	51.958	306.24415	306	14	38.93300	126.244148	126	14	38.93300
9	G-09	279389.00000	2257033.00000	G-08-G-09	180.205	13.80490	13	48	17.64848	193.804902	193	48	17.64848
10	G-10	279437.35423	2256979.01296	G-09-G-10	72.476	318.15035	318	9	1.25368	138.150348	138	9	1.25368
11	G-11	279587.49014	2256889.78867	G-10-G-11	174.648	300.72260	300	43	21.35739	120.722599	120	43	21.35739
12	G-12	279602.30684	2256691.87994	G-11-G-12	198.463	355.71846	355	43	6.46955	175.718464	175	43	6.46955
13	G-13	279500.70663	2256586.04640	G-12-G-13	146.708	43.83086	43	49	51.09842	223.830861	223	49	51.09842
14	G-14	279575.95208	2256539.29663	G-13-G-14	88.586	301.85256	301	51	9.20496	121.852557	121	51	9.20496
15	G-15	279703.41334	2256657.53373	G-14-G-15	173.857	47.15003	47	9	0.09486	227.150026	227	9	0.09486
16	G-16	279817.25256	2256763.13458	G-15-G-16	155.277	47.15003	47	9	0.09486	227.150026	227	9	0.09486
17	G-17	279940.39439	2256639.67484	G-16-G-17	174.374	315.07386	315	4	25.91007	135.073864	135	4	25.91007
18	G-18	280051.26155	2256528.52145	G-17-G-18	156.992	315.07386	315	4	25.91007	135.073864	135	4	25.91007
19	G-19	280161.92596	2256593.21882	G-18-G-19	128.189	59.68830	59	41	17.88895	239.688302	239	41	17.88895
20	G-20	280142.88851	2256855.98253	G-19-G-20	65.646	342.95938	342	57	33.77967	162.959383	162	57	33.77967
21	G-21	280301.62624	2256744.03163	G-20-G-21	181.697	61.01421	61	0	51.15634	241.01421	241	0	51.15634
22	G-22	280405.12533	2256959.64040	G-21-G-22	239.164	25.64249	25	38	32.96911	205.642491	205	38	32.96911
23	G-23	280510.98924	2257163.18979	G-22-G-23	229.433	27.47847	27	28	42.49658	207.478471	207	28	42.49658
24	G-24	280486.72657	2257201.23254	G-23-G-24	58.365	310.67830	310	40	41.87889	130.6783	130	40	41.87889
25	G-25	280317.50127	2257161.54496	G-24-G-25	154.413	75.10653	75	6	23.49734	255.106527	255	6	23.49734
26	G-26	280177.80099	2257142.49492	G-25-G-26	140.993	82.23483	82	14	5.40233	262.234834	262	14	5.40233
27	G-27	280101.75518	2257179.53666	G-26-G-27	84.588	295.97061	295	58	14.18551	115.970607	115	58	14.18551
28	G-01	280093.28850	2257335.11197	G-27-G-01	155.806	356.88494	356	53	5.76687	176.884935	176	53	5.76687
		Total			3744.068	Soy 3.765Km.							



DGPS Co-ordinate of CA Boundary Pillar					
Sl.No.	Point_ID	Easting	Northing_1	Latitude	Longitude
1	G-01	280093.28850	2257335.11197	20°24'05.79600"	84°53'33.75600"
2	G-02	279914.42980	2257336.17031	20°24'05.76000"	84°53'27.60000"
3	G-03	279791.21310	2257286.42854	20°24'04.10400"	84°53'23.35200"
4	G-04	279657.86283	2257259.44099	20°24'03.16800"	84°53'18.78000"
5	G-05	279601.96288	2257120.13097	20°23'58.63200"	84°53'16.90800"
6	G-06	279506.71269	2257128.59765	20°23'58.84800"	84°53'13.63200"
7	G-07	279473.90429	2257177.28109	20°24'00.43200"	84°53'12.48000"
8	G-08	279432.00000	2257208.00000	20°24'01.40400"	84°53'11.00400"
9	G-09	279389.00000	2257033.00000	20°23'55.68000"	84°53'09.60000"
10	G-10	279437.35423	2256979.01296	20°23'53.95200"	84°53'11.29200"
11	G-11	279587.49014	2256889.78867	20°23'51.10800"	84°53'16.51200"
12	G-12	279602.30684	2256691.87994	20°23'44.70000"	84°53'17.12400"
13	G-13	279500.70663	2256586.04640	20°23'41.20800"	84°53'13.66800"
14	G-14	279575.95208	2256539.29663	20°23'39.73200"	84°53'16.26000"
15	G-15	279703.41334	2256657.53373	20°23'43.62000"	84°53'20.61600"
16	G-16	279817.25256	2256763.13458	20°23'47.11200"	84°53'24.50400"
17	G-17	279940.39439	2256639.67484	20°23'43.15200"	84°53'28.78800"
18	G-18	280051.26155	2256528.52145	20°23'39.58800"	84°53'32.67600"
19	G-19	280161.92596	2256593.21882	20°23'41.71200"	84°53'36.45600"
20	G-20	280142.88851	2256655.98253	20°23'43.76400"	84°53'35.77200"
21	G-21	280301.62624	2256744.03163	20°23'46.68000"	84°53'41.20800"
22	G-22	280405.12533	2256959.64040	20°23'53.73600"	84°53'44.66400"
23	G-23	280510.98924	2257163.18979	20°24'00.39600"	84°53'48.22800"
24	G-24	280486.72657	2257201.23254	20°24'01.62000"	84°53'46.68000"
25	G-25	280317.50127	2257161.54496	20°24'00.25200"	84°53'41.56800"
26	G-26	280177.80099	2257142.49492	20°23'59.56800"	84°53'36.74400"
27	G-27	280101.75518	2257179.53666	20°24'00.75600"	84°53'34.11600"

Area 51.999 Ha.

- LEGEND
- Compensatory Afforestation Boundary Pillar
 - Compensatory Afforestation Area

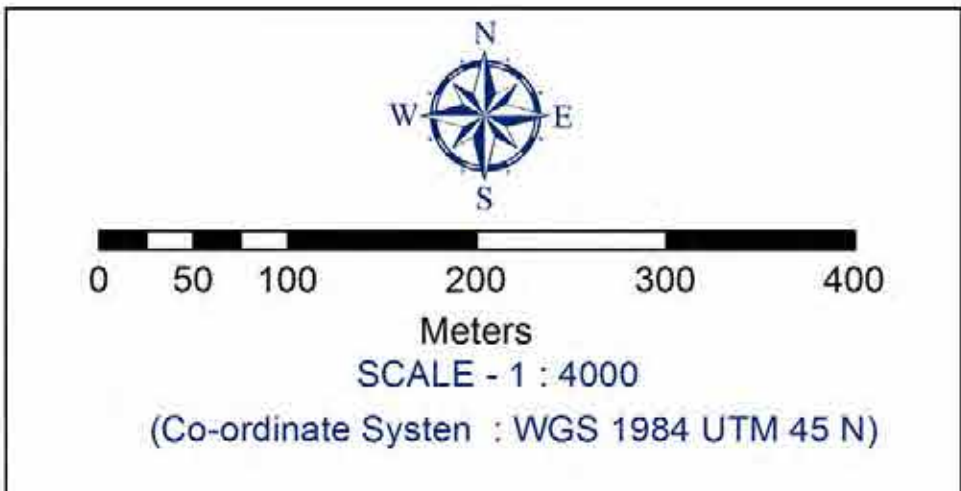
User Agency :

भारत सरकार
Govt. of India
पूर्व रत रेलवे
निर्माण संगठन, भुवनेश्वर
EAST COAST RAILWAY
CONSTRUCTION ORGANISATION
Rail Vihar, Annex Building, Chandrasekharpur
BHUBANESWAR - 751 003, ODISHA

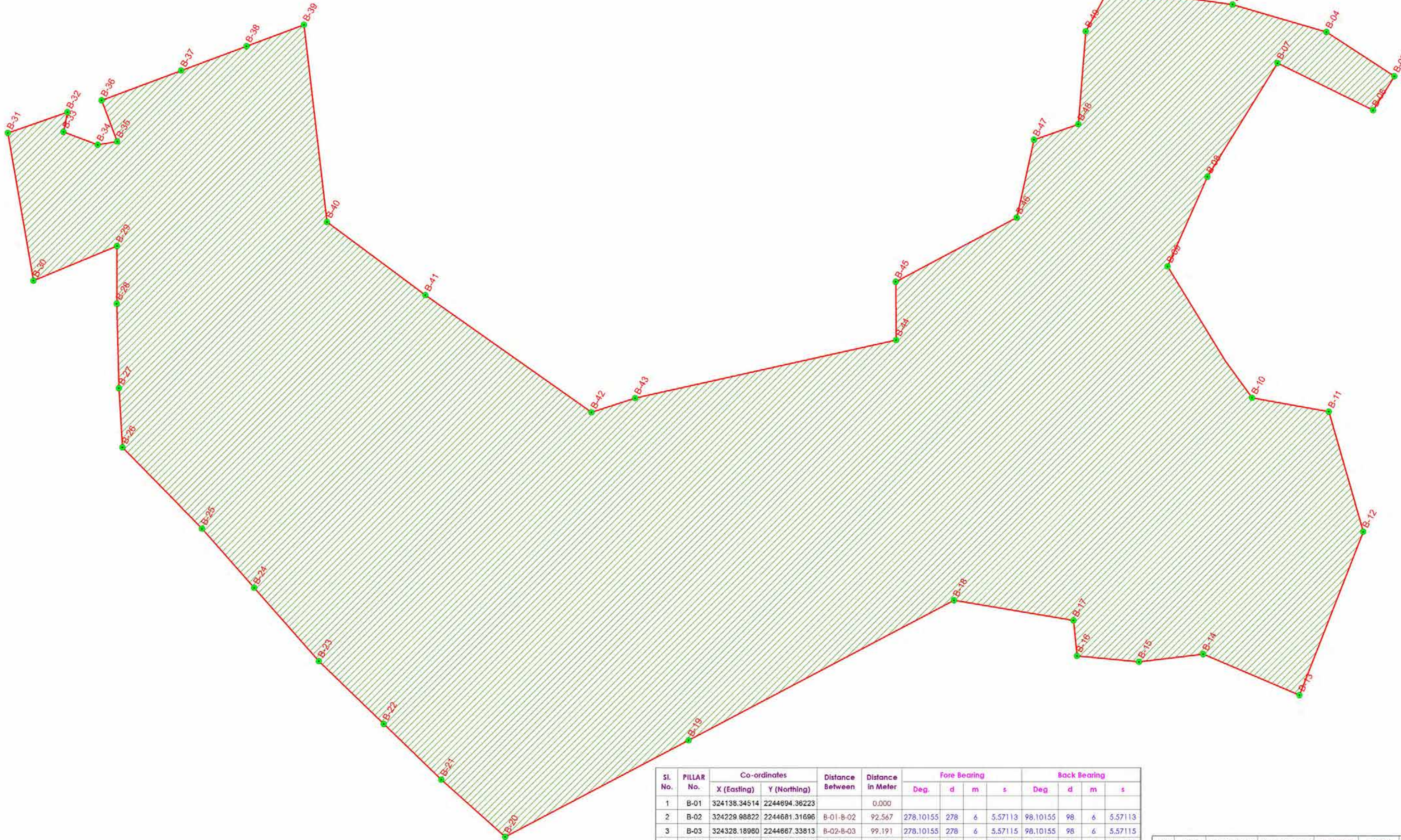
Executing Agency

PIONEER SURVEYORS
CONTRACTORS, SURVEYORS AND GEO-TECHNICAL ENGINEERS
Rail Vihar, Annex Building, Chandrasekharpur
BHUBANESWAR - 751 003, ODISHA

MAP SHOWING DEGRADED FOREST LAND OF 129.794 Ha. IN PITHAKHAI RF UNDER NAYAGARH FOREST DIVISION FOR PROPOSED COMPENSATORY AFFORESTATION IN LEIU OF 292.289 Ha.
FOREST LAND PROPOSED FOR DIVERSION FOR THE CONSTRUCTION OF KHURDA ROAD BOLANGIR NEW BG RAIL LINK PROJET OF EAST COAST RAILWAY.



(Forest Section : Bhapur, Range : Khandpada, Forest Division : Nayagarh)

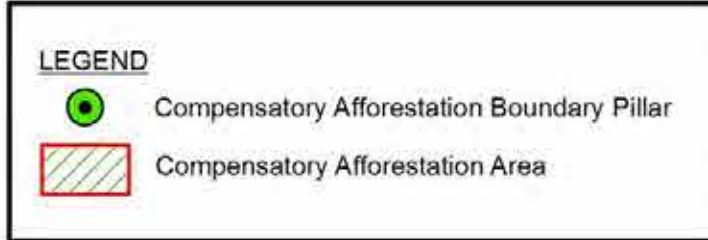


Sl. No.	PILLAR No.	Co-ordinates		Distance Between	Distance in Meter		Fore Bearing			Back Bearing			
		X (Easting)	Y (Northing)		Deg.	d	m	s	Deg.	d	m		
1	B-01	324138.34514	2244694.36223		0.000								
2	B-02	324229.98268	2244681.31696	B-01-B-02	92.567	278.10155	278	6	5.57113	98.10155	98	6	5.57113
3	B-03	324328.18960	2244667.33813	B-02-B-03	99.191	278.10155	278	6	5.57115	98.10155	98	6	5.57115
4	B-04	324473.12864	2244625.03117	B-03-B-04	150.987	286.27225	286	16	20.11089	106.2723	106	16	20.11089
5	B-05	324577.90035	2244556.78854	B-04-B-05	125.051	303.08485	303	5	5.47055	123.0849	123	5	5.47055
6	B-06	324545.15165	2244504.10880	B-05-B-06	62.014	316.8992	31	52	47.69483	21.8799	211	52	47.69483
7	B-07	324397.51365	2244577.13334	B-06-B-07	164.711	296.31009	296	19	51.1730	116.3181	116	19	51.1730
8	B-08	324288.92727	2244401.19329	B-07-B-08	206.725	31.66991	31	40	11.66597	211.6699	211	40	11.66597
9	B-09	324227.44238	2244262.64591	B-08-B-09	151.598	32.94843	23	58	54.34598	203.9484	203	58	54.34598
10	B-10	324358.28801	2244059.32442	B-09-B-10	241.784	327.23748	327	14	14.91489	147.2375	147	14	14.91489
11	B-11	324476.81958	2244038.17711	B-10-B-11	120.409	380.12467	380	7	28.81796	100.1247	100	7	28.81796
12	B-12	324529.73635	2243852.94900	B-11-B-12	192.620	344.05460	344	3	16.57476	164.0546	164	3	16.57476
13	B-13	324431.29929	2243960.23213	B-12-B-13	271.214	21.28925	21	16	58.26407	201.2829	201	16	58.26407
14	B-14	324282.79856	2243963.37768	B-13-B-14	161.263	293.0203	293	2	13.28141	113.0307	113	2	13.28141
15	B-15	324483.55388	2243851.73465	B-14-B-15	100.126	38.32219	38	19	19.88048	263.3222	263	19	19.88048
16	B-16	324087.54164	2243960.08610	B-15-B-16	96.241	275.4409	275	26	27.92119	59.4409	95	26	27.92119
17	B-17	324082.12345	2243715.59761	B-16-B-17	55.005	354.34231	354	20	32.33291	174.3423	174	20	32.33291
18	B-18	323997.49447	2243476.88072	B-17-B-18	187.260	279.61674	279	37	0.24786	99.61674	99	37	0.24786
19	B-19	323947.45158	2243530.52325	B-18-B-19	463.623	62.18182	62	10	54.56065	242.1818	242	10	54.56065
20	B-20	323203.91509	2243380.91669	B-19-B-20	320.586	62.18182	62	10	54.56065	242.1818	242	10	54.56065
21	B-21	323105.31052	2243449.40248	B-20-B-21	132.487	311.90437	311	54	15.74185	131.9044	131	54	15.74185
22	B-22	323016.27627	2243565.63732	B-21-B-22	123.949	314.08481	314	5	5.31528	134.0848	134	5	5.31528
23	B-23	322916.00077	2243652.75951	B-22-B-23	139.599	314.08481	314	5	5.31527	134.0848	134	5	5.31527
24	B-24	322815.98412	2243766.75983	B-23-B-24	151.210	318.59525	318	55	42.90246	138.5953	138	55	42.90246
25	B-25	322735.40244	2243857.57387	B-24-B-25	121.855	318.59525	318	35	42.90246	138.5953	138	35	42.90246
26	B-26	322612.70873	2243982.78480	B-25-B-26	175.300	315.58053	315	44	49.86013	135.5805	135	44	49.86013
27	B-27	322607.18055	2244074.79490	B-26-B-27	91.652	354.3153	356	32	32.6776	176.5431	176	32	32.6776

28	B-28	322603.60175	2244205.12374	B-28-B-28	130.878	58.43358	358	25	59.07909	178.4331	178	25	59.07909
29	B-29	322604.00019	2244240.1685	B-28-B-29	89.044	0.25638	0	15	22.96536	180.2564	180	25	22.96536
30	B-30	322475.01556	2244240.58862	B-29-B-30	139.670	67.44275	67	26	33.91211	247.4428	247	26	33.91211
31	B-31	321435.32798	2244468.79320	B-30-B-31	231.629	350.13419	350	8	3.09501	170.1342	170	8	3.09501
32	B-32	322527.51277	2244401.98260	B-31-B-32	97.661	70.72140	40	47	17.03713	250.7214	250	47	17.03713
33	B-33	322521.31000	2244470.67195	B-32-B-33	30.983	11.58482	11	32	54.30066	191.5848	191	32	54.30066
34	B-34	322574.62277	2244454.5795	B-33-B-34	56.609	290.80679	290	48	32.44272	110.8068	110	48	32.44272
35	B-35	322604.38933	2244455.86325	B-34-B-35	30.623	80.04937	32	2	57.74392	260.0494	260	2	57.74392
36	B-36	322580.49244	2244519.86721	B-35-B-36	68.039	339.43772	339	26	15.78494	159.4377	159	26	15.78494
37	B-37	322703.42886	2244456.51851	B-36-B-37	131.242	69.50491	69	30	17.65809	249.5049	249	30	17.65809
38	B-38	322804.14789	2244603.16373	B-37-B-38	107.527	69.50491	69	30	17.65802	249.5049	249	30	17.65802
39	B-39	322892.85925	2244636.32536	B-38-B-39	94.659	69.50490	69	30	17.65799	249.5049	249	30	17.65799
29	B-40	322928.94642	2244331.53997	B-39-B-40	306.866	333.20321	353	19	48.74534	173.3302	173	19	48.74534
30	B-41	323080.64802	2244218.45292	B-40-B-41	189.587	306.62552	306	37	31.86859	126.6255	126	37	31.86859
31	B-42	323337.44372	2244037.16526	B-41-B-42	314.326	305.21713	305	13	1.67598	125.2171	125	13	1.67598
32	B-43	323404.87884	2244059.0409	B-42-B-43	70.999	72.91704	72	1	3.29356	252.017	252	1	3.29356
33	B-44	323806.25051	2244148.01961	B-43-B-44	413.827	72.42688	78	35	26.77467	257.4269	257	35	26.77467
34	B-45	323807.58886	2244338.97813	B-44-B-45	89.951	359.57872	359	34	43.37434	179.5787	179	34	43.37434
35	B-46	323984.45156	2243338.27826	B-45-B-46	211.647	62.01905	62	1	8.58628	242.0191	242	1	8.58628
36	B-47	324021.15213	2244458.31815	B-46-B-47	122.964	12.52037	12	31	13.31422	192.5204	192	31	13.31422
37	B-48	324089.64505	2244482.37952	B-47-B-48	72.995	70.64696	70	38	49.06045	250.6469	250	38	49.06045
38	B-49	324101.25159	2244626.22086	B-48-B-49	144.313	6.41306	4	36	47.00376	184.6131	184	36	47.00376
39	B-01	324138.34514	2244894.36223	B-49-B-01	77.583	28.56218	28	33	43.85563	280.5622	280	33	43.85563
Total					7421.784		Say 7,422 Km						

Pillar Co-ordinate of Bhaupur C.A. Land					
Sl.No	Pillar_Id	Easting	Northing	Latitude	Longitude
1	B-01	324138.94512	2446694.36223	20°17'31.30800"	85°18'57.09600"
2	B-02	324229.38824	2446681.31696	20°17'30.91200"	85°19'00.26400"
3	B-03	324328.18960	2446657.33813	20°17'30.48000"	85°19'03.64800"
4	B-04	324373.12864	2446625.03117	20°17'29.14800"	85°19'08.68800"
5	B-05	324577.90385	2445556.78854	20°17'26.98000"	85°19'12.32400"
6	B-06	324545.15165	2445504.10680	20°17'25.26000"	85°19'11.20800"
7	B-07	324397.51385	2444701.13934	20°17'27.56400"	85°19'06.09600"
8	B-08	324288.97827	2444401.19329	20°17'21.84000"	85°19'02.38800"
9	B-09	324227.44239	2442624.65491	20°17'17.30400"	85°19'00.33600"
10	B-10	324358.28601	2442509.32442	20°17'10.71600"	85°19'04.90800"
11	B-11	324476.81958	2440438.15771	20°17'10.06800"	85°19'09.01200"
12	B-12	324529.73635	243852.94900	20°17'04.09200"	85°19'10.88400"
13	B-13	324431.29329	243660.23213	20°16'55.81200"	85°19'07.57200"
14	B-14	324282.79856	243663.37768	20°16'57.82800"	85°19'02.46600"
15	B-15	324183.53888	243651.34545	20°16'57.43200"	85°18'59.04400"
16	B-16	324087.54614	243660.86016	20°16'57.68400"	85°18'55.72800"
17	B-17	324082.12345	2437315.59761	20°16'59.44800"	85°18'55.51200"
18	B-18	323897.49547	243746.80672	20°17'00.42000"	85°18'49.44000"
19	B-19	323487.45149	24330.52325	20°16'48.25600"	85°18'35.10000"
20	B-20	323203.91509	243380.91649	20°16'48.28800"	85°18'25.38800"
21	B-21	323105.31052	2434469.60329	20°16'51.13200"	85°18'21.94200"
22	B-22	323016.27627	243555.63732	20°16'53.94000"	85°18'18.82800"
23	B-23	322916.00077	243652.75951	20°16'57.03600"	85°18'15.33600"
24	B-24	322815.99412	243736.17583	20°17'00.67200"	85°18'11.88000"
25	B-25	322735.40244	243857.57397	20°17'03.64200"	85°18'09.07200"
26	B-26	322612.70873	243992.77937	20°17'07.65600"	85°18'04.78800"
27	B-27	322607.18055	244074.29480	20°17'10.64400"	85°18'04.57200"
28	B-28	322603.60175	244205.12374	20°17'16.77600"	85°18'04.58400"
29	B-29	322408.00000	244355.17777	20°17'17.77200"	85°18'04.35600"
30	B-30	322475.05556	244404.58862	20°17'16.00800"	85°18'05.92800"
31	B-31	322435.32998	244468.79220	20°17'23.38800"	85°17'58.48800"
32	B-32	322527.51277	244501.03690	20°17'24.46800"	85°18'01.65600"
33	B-33	322511.31000	244460.69625	20°17'23.49600"	85°18'01.76000"
34	B-34	322574.27627	244450.57127	20°17'22.84800"	85°18'03.27600"
35	B-35	322604.89933	244455.86355	20°17'23.02800"	85°18'04.32000"
36	B-36	322580.49444	24455.91561	20°17'25.11600"	85°18'03.49200"
37	B-37	322703.42686	24459.56781	20°17'26.62800"	85°18'07.74000"
38	B-38	322804.14789	244603.16676	20°17'27.88800"	85°18'11.16000"
39	B-39	322892.85299	244636.23253	20°17'29.00400"	85°18'14.22000"
40	B-40	322928.49644	244431.53972	20°17'19.10400"	85°18'15.55200"
41	B-41	323080.64802	244218.42597	20°17'15.46800"	85°18'20.80800"
42	B-42	323337.44377	244307.16526	20°17'09.67200"	85°18'29.73600"
43	B-43	32404.87884	244059.05409	20°17'10.39200"	85°18'32.04000"
44	B-44	3243808.25031	244149.01961	20°17'13.45200"	85°18'45.39600"
45	B-45	3243807.58886	244238.97813	20°17'16.40400"	85°18'45.86400"
46	B-46	3243994.49516	244438.27826	20°17'19.68000"	85°18'52.77200"
47	B-47	3244021.15213	244558.31815	20°17'23.60400"	85°18'53.12600"
48	B-48	3244089.64505	244482.37523	20°17'24.96000"	85°18'55.51200"
49	B-49	3244101.25159	244466.22086	20°17'29.07600"	85°18'55.87200"

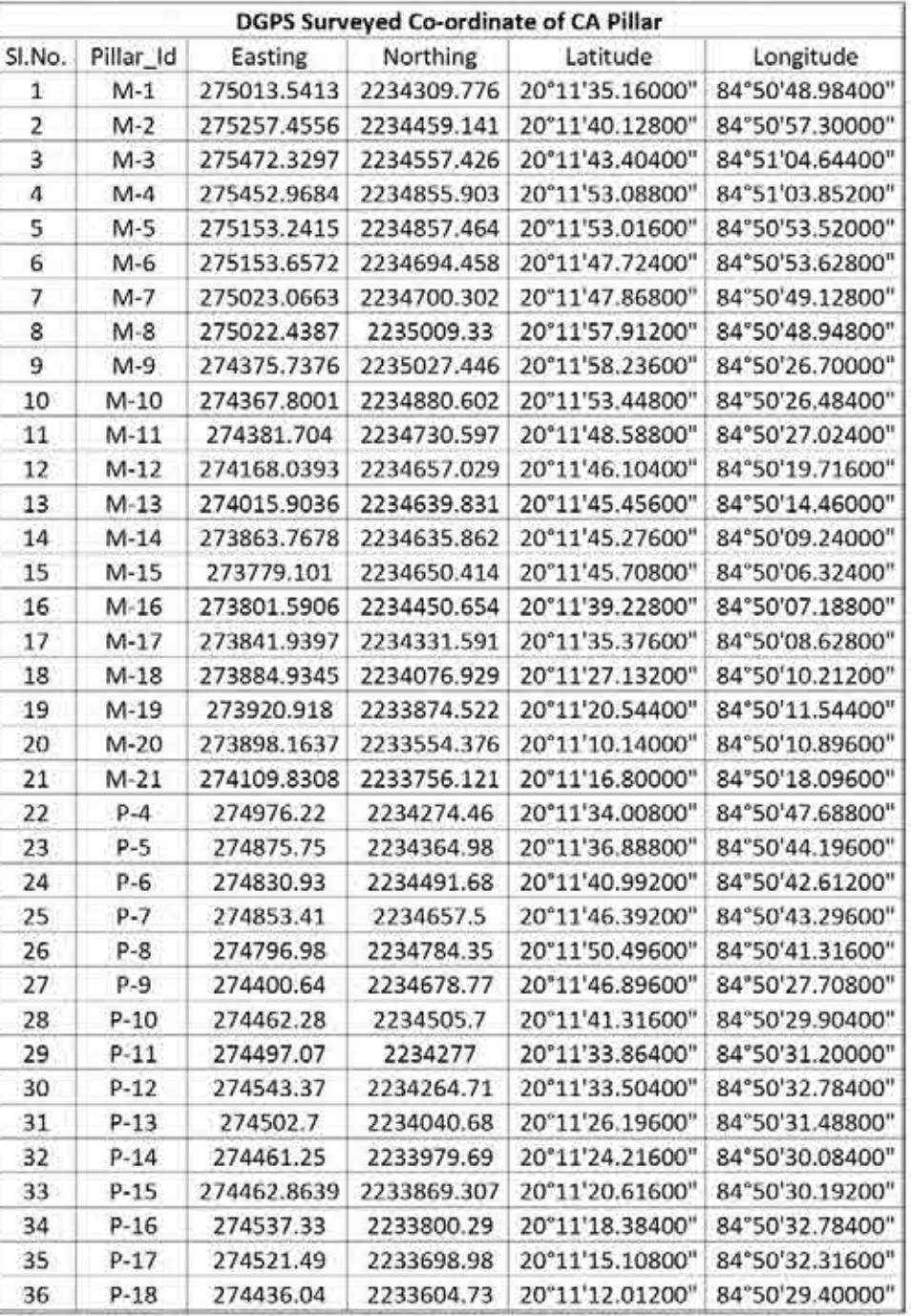
Area 129.794 Ha.



The image contains three logos. On the left is the Indian Railways logo, featuring a red wheel with a white center and the text 'भारतीय रेल' and 'INDIAN RAILWAYS'. In the center is the Government of India logo, with the text 'भारत सरकार', 'Govt. of India', 'पूर्व तट रेलवे', and 'निर्माण संगठन, भुवनेश्वर'. On the right is the East Coast Railway Construction Organization logo, with the text 'ECON', 'भारतीय रेलवे', 'भारत सरकार', and 'निर्माण संगठन'.


PIONEER SURVEYORS
CONTRACTORS, SURVEYORS AND GEO-TECHNICAL ENGINEERS
 "PIONEER SURVEYORS" Private Ltd. (2008) 2008 Act No. 26 (Special Law) No. 14 (Type A) under Section 206A(1)(b), New Delhi 110 002, India. Phone: 011-2610 1000, 011-2610 1001, 011-2610 1002, 011-2610 1003, 011-2610 1004, 011-2610 1005, 011-2610 1006, 011-2610 1007, 011-2610 1008, 011-2610 1009, 011-2610 1010, 011-2610 1011, 011-2610 1012, 011-2610 1013, 011-2610 1014, 011-2610 1015, 011-2610 1016, 011-2610 1017, 011-2610 1018, 011-2610 1019, 011-2610 1020, 011-2610 1021, 011-2610 1022, 011-2610 1023, 011-2610 1024, 011-2610 1025, 011-2610 1026, 011-2610 1027, 011-2610 1028, 011-2610 1029, 011-2610 1030, 011-2610 1031, 011-2610 1032, 011-2610 1033, 011-2610 1034, 011-2610 1035, 011-2610 1036, 011-2610 1037, 011-2610 1038, 011-2610 1039, 011-2610 1040, 011-2610 1041, 011-2610 1042, 011-2610 1043, 011-2610 1044, 011-2610 1045, 011-2610 1046, 011-2610 1047, 011-2610 1048, 011-2610 1049, 011-2610 1050, 011-2610 1051, 011-2610 1052, 011-2610 1053, 011-2610 1054, 011-2610 1055, 011-2610 1056, 011-2610 1057, 011-2610 1058, 011-2610 1059, 011-2610 1060, 011-2610 1061, 011-2610 1062, 011-2610 1063, 011-2610 1064, 011-2610 1065, 011-2610 1066, 011-2610 1067, 011-2610 1068, 011-2610 1069, 011-2610 1070, 011-2610 1071, 011-2610 1072, 011-2610 1073, 011-2610 1074, 011-2610 1075, 011-2610 1076, 011-2610 1077, 011-2610 1078, 011-2610 1079, 011-2610 1080, 011-2610 1081, 011-2610 1082, 011-2610 1083, 011-2610 1084, 011-2610 1085, 011-2610 1086, 011-2610 1087, 011-2610 1088, 011-2610 1089, 011-2610 1090, 011-2610 1091, 011-2610 1092, 011-2610 1093, 011-2610 1094, 011-2610 1095, 011-2610 1096, 011-2610 1097, 011-2610 1098, 011-2610 1099, 011-2610 1100, 011-2610 1101, 011-2610 1102, 011-2610 1103, 011-2610 1104, 011-2610 1105, 011-2610 1106, 011-2610 1107, 011-2610 1108, 011-2610 1109, 011-2610 1110, 011-2610 1111, 011-2610 1112, 011-2610 1113, 011-2610 1114, 011-2610 1115, 011-2610 1116, 011-2610 1117, 011-2610 1118, 011-2610 1119, 011-2610 1120, 011-2610 1121, 011-2610 1122, 011-2610 1123, 011-2610 1124, 011-2610 1125, 011-2610 1126, 011-2610 1127, 011-2610 1128, 011-2610 1129, 011-2610 1130, 011-2610 1131, 011-2610 1132, 011-2610 1133, 011-2610 1134, 011-2610 1135, 011-2610 1136, 011-2610 1137, 011-2610 1138, 011-2610 1139, 011-2610 1140, 011-2610 1141, 011-2610 1142, 011-2610 1143, 011-2610 1144, 011-2610 1145, 011-2610 1146, 011-2610 1147, 011-2610 1148, 011-2610 1149, 011-2610 1150, 011-2610 1151, 011-2610 1152, 011-2610 1153, 011-2610 1154, 011-2610 1155, 011-2610 1156, 011-2610 1157, 011-2610 1158, 011-2610 1159, 011-2610 1160, 011-2610 1161, 011-2610 1162, 011-2610 1163, 011-2610 1164, 011-2610 1165, 011-2610 1166, 011-2610 1167, 011-2610 1168, 011-2610 1169, 011-2610 1170, 011-2610 1171, 011-2610 1172, 011-2610 1173, 011-2610 1174, 011-2610 1175, 011-2610 1176, 011-2610 1177, 011-2610 1178, 011-2610 1179, 011-2610 1180, 011-2610 1181, 011-2610 1182, 011-2610 1183, 011-2610 1184, 011-2610 1185, 011-2610 1186, 011-2610 1187, 011-2610 1188, 011-2610 1189, 011-2610 1190, 011-2610 1191, 011-2610 1192, 011-2610 1193, 011-2610 1194, 011-2610 1195, 011-2610 1196, 011-2610 1197, 011-2610 1198, 011-2610 1199, 011-2610 1200, 011-2610 1201, 011-2610 1202, 011-2610 1203, 011-2610 1204, 011-2610 1205, 011-2610 1206, 011-2610 1207, 011-2610 1208, 011-2610 1209, 011-2610 1210, 011-2610 1211, 011-2610 1212, 011-2610 1213, 011-2610 1214, 011-2610 1215, 011-2610 1216, 011-2610 1217, 011-2610 1218, 011-2610 1219, 011-2610 1220, 011-2610 1221, 011-2610 1222, 011-2610 1223, 011-2610 1224, 011-2610 1225, 011-2610 1226, 011-2610 1227, 011-2610 1228, 011-2610 1229, 011-2610 1230, 011-2610 1231, 011-2610 1232, 011-2610 1233, 011-2610 1234, 011-2610 1235, 011-2610 1236, 011-2610 1237, 011-2610 1238, 011-2610 1239, 011-2610 1240, 011-2610 1241, 011-2610 1242, 011-2610 1243, 011-2610 1244, 011-2610 1245, 011-2610 1246, 011-2610 1247, 011-2610 1248, 011-2610 1249, 011-2610 1250, 011-2610 1251, 011-2610 1252, 011-2610 1253, 011-2610 1254, 011-2610 1255, 011-2610 1256, 011-2610 1257, 011-2610 1258, 011-2610 1259, 011-2610 1260, 011-2610

0 50 100 200 300 400
Meters
SCALE - 1 : 4000
(Co-ordinate System : WGS 1984 UTM 45 N)

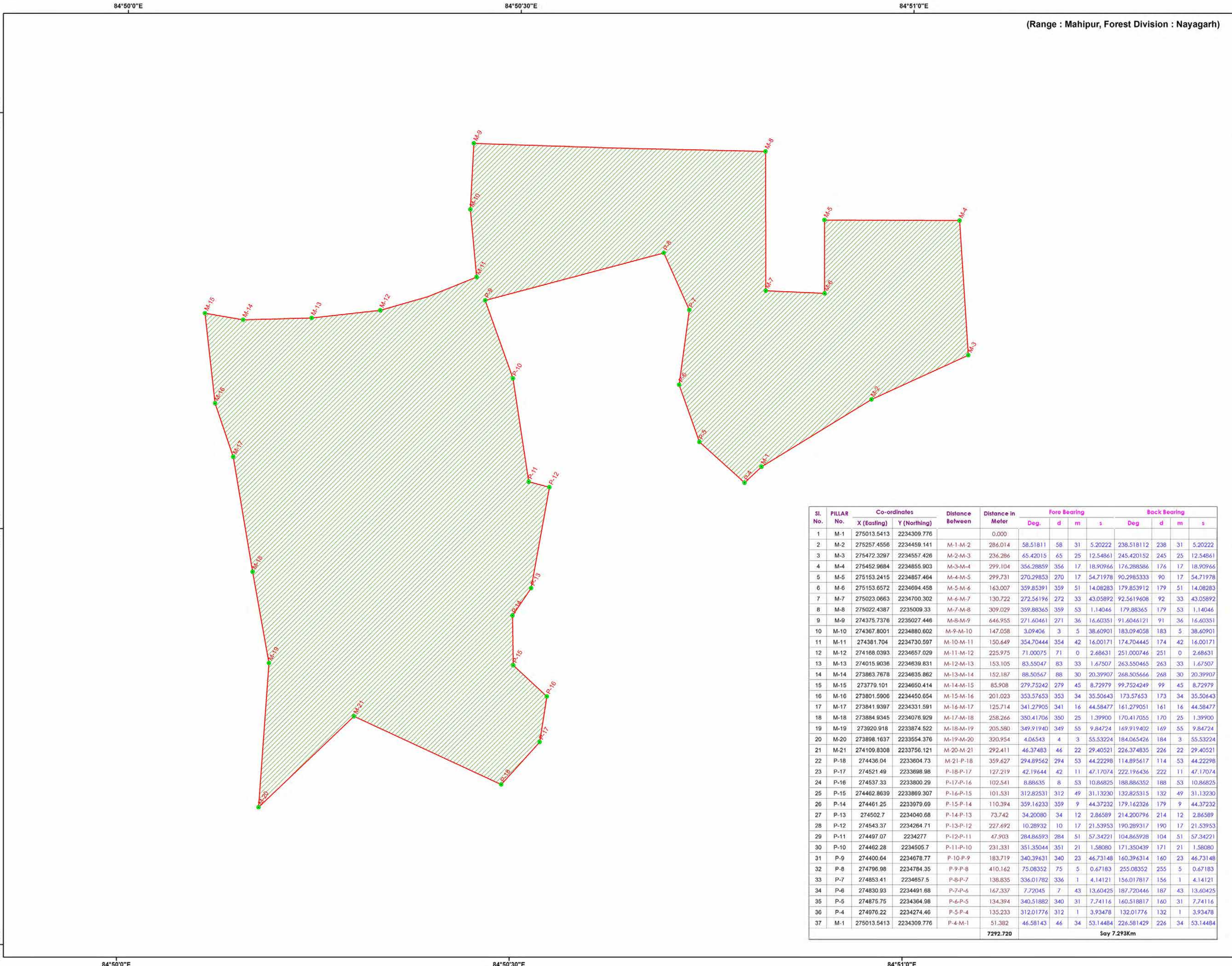


LEGEND

 Compensatory Afforestation Boundary Pillar

 Compensatory Afforestation Area

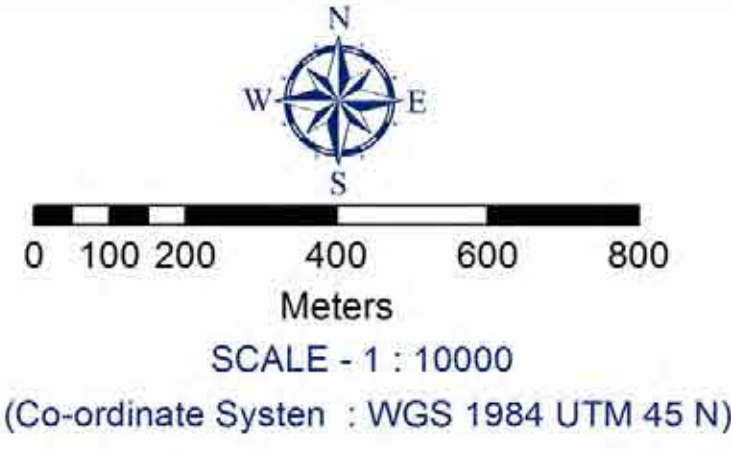

PIONEER SURVEYORS
CONTRACTORS, SURVEYORS AND GEO-TECHNICAL ENGINEERS
 "INDUSTRIES TOWERS" Plot No. 45/46, 2nd Floor, 1st Main Road, 7th Mile, 1st Stage, Bannerghatta Road, Bangalore-560 075, India. Tel: 080-2666-4646, 22 6663-2211, 6646-1740. Fax: 080-2666-4647
 Email: info@pioneerindia.com, psurveyors@pioneerindia.com, Website: www.pioneerindia.com
 An ISO 9001 : 2008 Certified Organisation



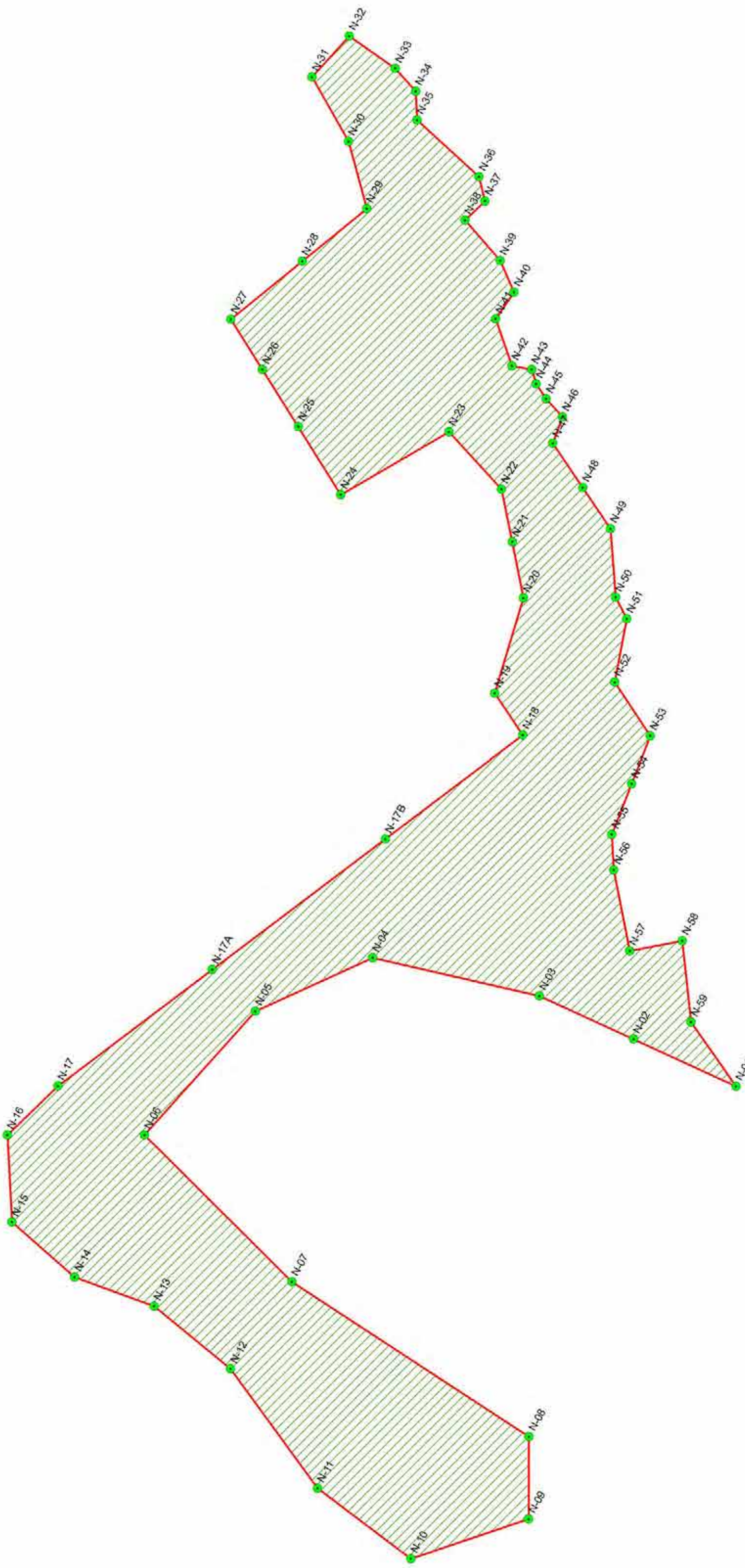
MAP SHOWING DEGRADED FOREST LAND OF 185.907 Ha. IN HATIMUNDA RF UNDER NAYAGARH FOREST DIVISION FOR PROPOSED COMPENSATORY AFFORESTATION IN LEIU OF 292.289 Ha.

FOREST LAND PROPOSED FOR DIVERSION FOR THE CONSTRUCTION OF KHURDA ROAD BOLANGIR NEW BG RAIL LINK PROJET OF EAST COAST RAILWAY.

PATCH - II



(Forest Section : , Range : Nayagarh, Forest Division : Nayagarh)



Sl. No.	Pillar No.	Co-ordinates		Distance Between	Distance in Meter	Fore Bearing				Back Bearing			
		X (Easting)	Y (Northing)			Deg.	d	m	s	Deg	d	m	s
1	N-01	295324.31035	2237236.64357		0.000								
2	N-02	295058.24904	2237358.70902	N-01-N-02	292.726	294.64504	294	38	42.13973	114.645	114	38	42.13973
3	N-03	294813.92808	2237470.80029	N-02-N-03	268.807	294.44504	294	38	42.13973	114.645	114	38	42.13973
4	N-04	294380.73189	2237569.79881	N-03-N-04	444.364	282.87277	282	52	21.97465	102.8728	102	52	21.97465
5	N-05	294076.40056	2237431.11271	N-04-N-05	334.442	65.50088	65	30	3.18588	245.5009	245	30	3.18588
6	N-06	293788.66561	2237110.30478	N-05-N-06	430.940	41.88916	41	53	20.97365	221.8892	221	53	20.97365
7	N-07	294170.77762	2236729.17173	N-06-N-07	539.696	314.92651	314	55	35.43691	134.9265	134	55	35.43691
8	N-08	294786.72885	2236327.00425	N-07-N-08	735.619	303.14136	303	8	28.90231	123.1414	123	8	28.90231
9	N-09	294785.98670	2236113.80919	N-08-N-09	213.196	0.19945	0	11	58.02978	180.1995	180	11	58.02978
10	N-10	294480.39234	2236010.62149	N-09-N-10	322.546	71.34211	71	20	31.60150	251.3421	251	20	31.60150
11	N-11	294238.29810	2236193.18435	N-10-N-11	303.214	307.01989	307	1	11.59051	127.0199	127	1	11.59051
12	N-12	294012.07890	2236502.74747	N-11-N-12	383.412	323.84181	323	50	30.53242	143.8418	143	50	30.53242
13	N-13	293813.64100	2236665.46655	N-12-N-13	256.622	309.35175	309	21	6.30945	129.3518	129	21	6.30945
14	N-14	293607.26559	2236740.87295	N-13-N-14	219.220	290.07153	290	4	17.49312	110.0715	110	4	17.49312
15	N-15	293444.54651	2236883.74823	N-14-N-15	216.543	311.28471	311	17	4.95922	131.2847	131	17	4.95922
16	N-16	293432.64024	2237109.96743	N-15-N-16	226.332	356.78721	356	59	13.96498	176.7872	176	59	13.96498
17	N-17	293563.60925	2237236.96769	N-16-N-17	182.433	45.88140	45	52	53.05439	225.8814	225	52	53.05439
18	N-17A	293864.42847	2237539.27740	N-17-N-17A	502.043	52.97532	52	58	31.15811	232.9753	232	58	31.15811
19	N-17B	294413.97688	2237878.33994	N-17A-N-17B	563.078	52.97532	52	58	31.15810	232.9753	232	58	31.15810
20	N-18	294770.78885	2238147.45824	N-17B-N-18	446.922	52.97532	52	58	31.15810	232.9753	232	58	31.15810
21	N-19	294697.46263	2238255.83859	N-18-N-19	130.855	325.91914	325	55	8.91813	145.9191	145	55	8.91813
22	N-20	294772.56825	2238502.61165	N-19-N-20	257.949	16.92748	16	55	39.63569	196.9277	196	55	39.63569
23	N-21	294743.11329	2238648.34778	N-20-N-21	148.683	348.57379	348	34	25.62648	168.5738	168	34	25.62648
24	N-22	294715.43974	2238785.26996	N-21-N-22	139.691	348.57379	348	34	25.62647	168.5738	168	34	25.62647
25	N-23	294579.25716	2238934.41329	N-22-N-23	201.964	317.40084	317	36	3.01828	137.4008	137	36	3.01828
26	N-24	294298.49406	2238770.66592	N-23-N-24	325.025	59.74830	59	44	53.87825	239.7483	239	44	53.87825
27	N-25	294187.58299	2238947.63462	N-24-N-25	208.852	327.92352	327	55	24.65554	147.9235	147	55	24.65554
28	N-26	294094.94415	2239095.44833	N-25-N-26	174.444	327.92352	327	55	24.65554	147.9235	147	55	24.65554
29	N-27	294012.84932	2239226.43808	N-26-N-27	154.589	327.92352	327	55	24.65554	147.9235	147	55	24.65554
30	N-28	294197.96698	2239377.16383	N-27-N-28	238.719	50.84697	50	50	49.08848	230.847	230	50	49.08848
31	N-29	294365.50635	2239513.57706	N-28-N-29	216.051	50.84697	50	50	49.08849	230.847	230	50	49.08849
32	N-30	294318.23642	2239687.87130	N-29-N-30	180.590	344.82596	344	49	33.43827	164.826	164	49	33.43827
33	N-31	294223.96280	2239855.57728	N-30-N-31	192.387	330.45808	330	39	29.07899	150.4581	150	39	29.07899
34	N-32	294320.18408	2239861.49077	N-31-N-32	143.095	42.25481	42	15	17.33002	222.2548	222	15	17.33002
35	N-33	294439.57517	2239876.97339	N-32-N-33	146.279	305.29481	305	17	41.31873	125.2948	125	17	41.31873
36	N-34	294492.40647	2239818.22465	N-33-N-34	79.010	318.03573	318	2	6.44003	138.0357	138	2	6.44003
37	N-35	294496.22841	2239743.38799	N-34-N-35	74.934	357.07642	357	4	35.11144	177.0764	177	4	35.11144
38	N-36	294657.14338	2239596.25907	N-35-N-36	218.038	312.45752	312	26	15.08121	132.4575	132	26	15.08121
39	N-37	294872.43651	2239532.69201	N-36-N-37	65.381	346.47270	346	28	21.72004	166.4727	166	28	21.72004
40	N-38	294820.47219	2239483.71005	N-37-N-38	71.411	46.69226	46	41	32.12881	226.6923	226	41	32.12881
41	N-39	294711.79133	2239378.28687	N-38-N-39	139.475	319.10040	319	6	1.44160	139.1004	139	6	1.44160
42	N-40	294748.04674	2239296.47185	N-39-N-40	89.488	336.10000	336	6	0.01064	156.1	156	6	0.01064
43	N-41	294700.46803	2239226.60146	N-40-N-41	84.532	34.23317	34	15	11.40718	214.2332	214	15	11.40718
44	N-42	294742.54133	2239105.45808	N-41-N-42	128.241	340.84780	340	50	52.07369	160.8478	160	50	52.07369
45	N-43	294794.20406	2239095.93055	N-42-N-43	52.534	280.44897	280	26	56.28953	100.449	100	26	56.28953
46	N-44	294805.07515	2239058.56469	N-43-N-44	38.915	343.77836	343	46	42.10003	163.7784	163	46	42.10003
47	N-45	294831.88579	2239019.84422	N-44-N-45	47.097	325.30069	325	18	2.47821	145.3007	145	18	2.47821
48	N-46	294873.48986	2238972.85158	N-45-N-46	62.763	318.48051	318	28	49.84912	138.4805	138	28	49.84912
49	N-47	294848.69625	2238904.30131	N-46-N-47	72.896	19.88431	19	53	3.49881	199.8843	199	53	3.49881
50	N-48	294925.97381	2238789.62139	N-47-N-48	138.287	326.02577	326	1	32.76304	146.0258	146	1	32.76304
51	N-49	294997.92409	2238682.84717	N-48-N-49	128.754	326.02577	326	1	32.76303	146.0258	146	1	32.76303
52	N-50	295011.62230	2238504.31462	N-49-N-50	179.057	355.61248	355	36	44.93138	175.6125	175	36	44.93138
53	N-51	295040.30364	2238449.11924	N-50-N-51	62.202	332.54213	332	32	31.65166	152.5421	152	32	31.65166
54	N-52	295009.32330	2238284.77155	N-51-N-52	167.242	10.67526	10	40	30.94224	190.6753	190	40	30.94224
55	N-53	295101.61834	2238145.12639	N-52-N-53	167.369	326.53827	326	32	17.77096	146.5383	146	32	17.77096
56	N-54	295053.13336	2238021.10881	N-53-N-54	133.158	21.35314	21	21	11.29306	201.3531	201	21	11.29306
57	N-55	295001.98877	2237990.28834	N-54-N-55	140.463	21.35314	21	21	11.29306	201.3531	201	21	11.29306
58	N-56	295008.94514	2237797.77563	N-55-N-56	92.645	356.93331	356	55	59.91801	176.9333	176	55	59.91801
59	N-57	295048.00588	2237587.40153	N-56-N-57	214.344	348.75588	348	57	21.15168	168.7559	168	57	21.15168
60	N-58	295184.51967	2237614.00631	N-57-N-58	139.082	78.97202	78	58	19.27820	258.972	258	58	19.27820
61	N-59	295207.53846	2237402.86838	N-58-N-59	212.389	353.78034	353	46	40.94841	173.7878	173	46	40.94841
39	N-01	295324.31035	2237236.64357	N-59-N-01	203.141	324.91220	324	54	43.92187	144.9122	144	54	43.92187
Total					12944.700	Say 12.945 Km							

Area 185.907 Ha.

- LEGEND
- Compensatory Afforestation Boundary Pillar
 - Compensatory Afforestation Area

User Agency :

भारत सरकार
Govt. of India
पूर्व रत रेलवे
निर्माण संतान, पुनर्वसन
EAST COAST RAILWAY
CONSTRUCTION ORGANISATION
Rail Vikas, Annex Building, Chandrasekharpur
BHUBANESWAR - 751 023, ODISHA

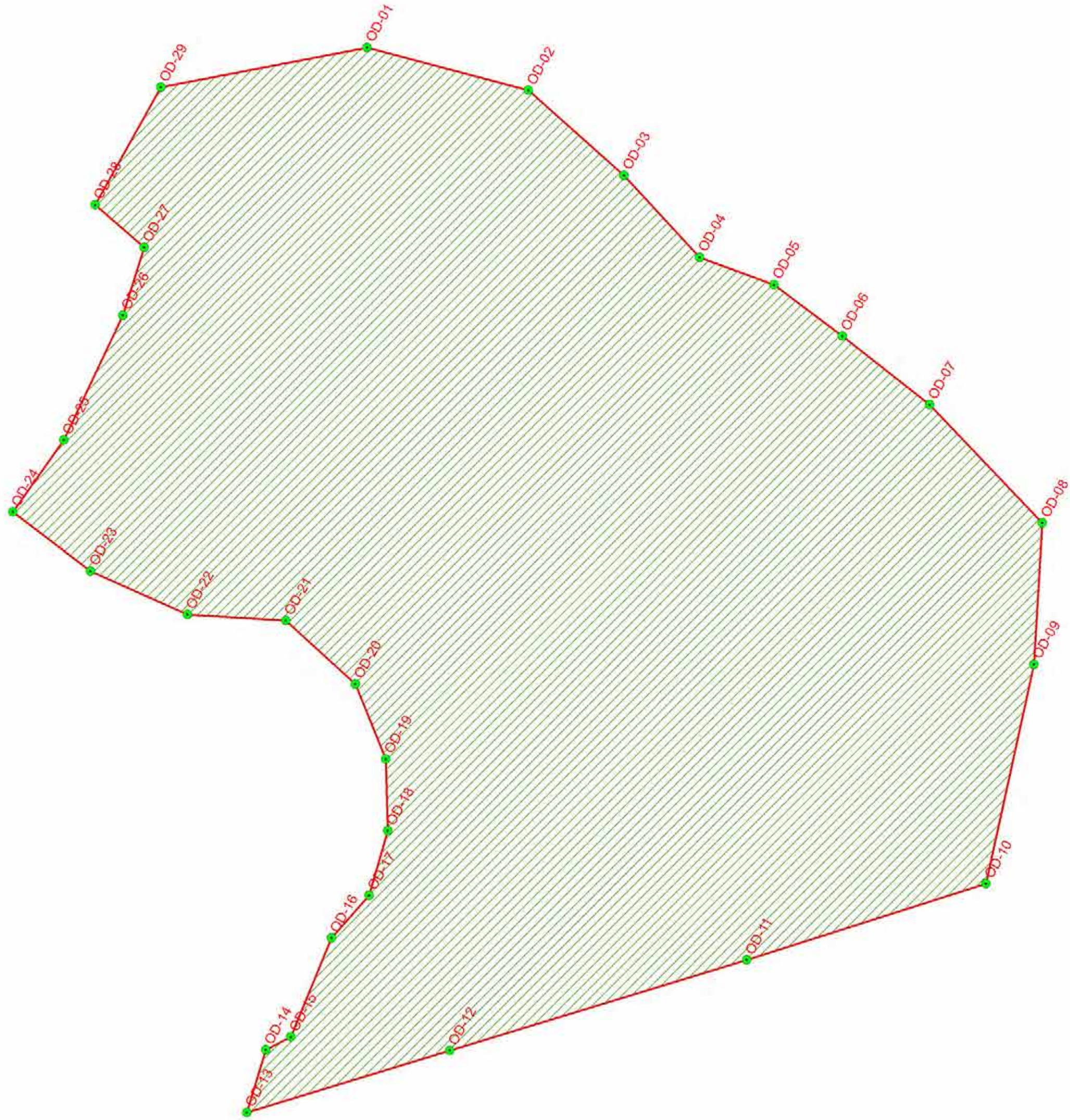
Executing Agency

PIONEER SURVEYORS
CONTRACTORS, SURVEYORS AND GEO-TECHNICAL ENGINEERS
Rail Vikas, Annex Building, Chandrasekharpur
BHUBANESWAR - 751 023, ODISHA

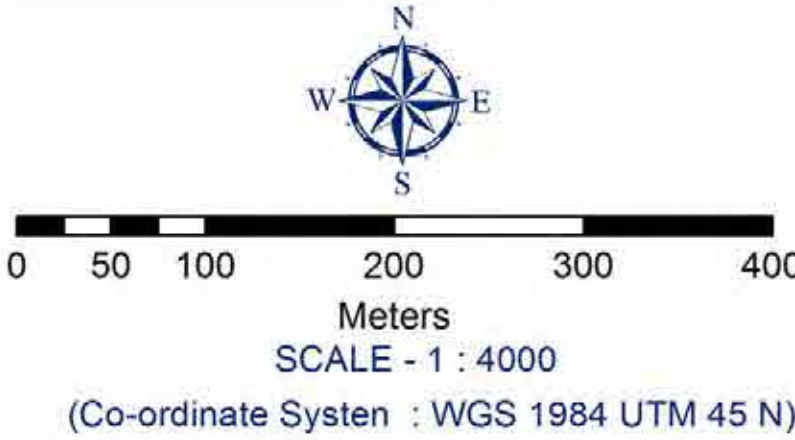
MAP SHOWING DEGRADED FOREST LAND OF 66.242 Ha. IN PITHAKHAI RF UNDER NAYAGARH FOREST DIVISION FOR PROPOSED COMPENSATORY AFFORESTATION IN LEIU OF 292.289 Ha.

FOREST LAND PROPOSED FOR DIVERSION FOR THE CONSTRUCTION OF KHURDA ROAD BOLANGIR NEW BG RAIL LINK PROJET OF EAST COAST RAILWAY.

(Range : Odagaon, Forest Division : Nayagarh)



Sl. No.	PILLAR No.	Co-ordinates		Distance Between	Distance in Meter	Fore Bearing				Back Bearing			
		X (Easting)	Y (Northing)			Deg.	d	m	s	Deg	d	m	s
1	OD-01	285169.70051	2207008.63803		0.000								
2	OD-02	285333.79779	2206965.05055	OD-01-OD-02	169.787	284.87540	284	52	31.44107	104.8754	104	52	31.44107
3	OD-03	285431.01562	2206878.60679	OD-02-OD-03	130.092	311.64273	311	38	33.82081	131.642728	131	38	33.82081
4	OD-04	285507.65365	2206795.29949	OD-03-OD-04	113.197	317.38769	317	23	15.68284	137.38769	137	23	15.68284
5	OD-05	285583.39313	2206767.48657	OD-04-OD-05	80.685	290.16415	290	9	50.95792	110.164155	110	9	50.95792
6	OD-06	285652.88142	2206715.29428	OD-05-OD-06	86.906	306.91002	306	54	36.07684	126.910021	126	54	36.07684
7	OD-07	285741.40617	2206645.42493	OD-06-OD-07	112.776	308.28274	308	16	57.87217	128.282742	128	16	57.87217
8	OD-08	285855.93197	2206525.22016	OD-07-OD-08	166.028	316.38592	316	23	9.30427	136.385918	136	23	9.30427
9	OD-09	285847.39183	2206381.73464	OD-08-OD-09	143.739	3.40618	3	24	22.24611	183.406179	183	24	22.24611
10	OD-10	285798.81993	2206158.71478	OD-09-OD-10	228.248	12.28668	12	17	12.06459	192.286685	192	17	12.06459
11	OD-11	285555.50232	2206081.07522	OD-10-OD-11	255.404	72.30278	72	18	9.99203	252.302776	252	18	9.99203
12	OD-12	285253.71760	2205989.07693	OD-11-OD-12	315.496	73.04629	73	2	46.65988	253.046294	253	2	46.65988
13	OD-13	285047.63567	2205926.25340	OD-12-OD-13	215.445	73.04629	73	2	46.65988	253.046294	253	2	46.65988
14	OD-14	285066.68571	2205989.75352	OD-13-OD-14	66.296	16.69924	16	41	57.27924	196.699244	196	41	57.27924
15	OD-15	285092.32168	2206003.00476	OD-14-OD-15	28.858	62.66554	62	39	55.95538	242.665543	242	39	55.95538
16	OD-16	285133.67708	2206103.45521	OD-15-OD-16	108.630	22.37694	22	22	36.99084	202.376942	202	22	36.99084
17	OD-17	285171.69684	2206146.93839	OD-16-OD-17	57.761	41.16501	41	9	54.02694	221.165007	221	9	54.02694
18	OD-18	285190.74688	2206212.55518	OD-17-OD-18	68.326	16.18921	16	11	21.14253	196.189206	196	11	21.14253
19	OD-19	285188.63021	2206285.58033	OD-18-OD-19	73.056	358.33972	358	20	22.98347	178.339718	178	20	22.98347
20	OD-20	285157.93848	2206361.78048	OD-19-OD-20	82.149	338.06152	338	3	41.47032	158.06152	158	3	41.47032
21	OD-21	285087.03000	2206426.33894	OD-20-OD-21	95.895	312.31622	312	18	58.40944	132.316225	132	18	58.40944
22	OD-22	284973.78811	2206425.28061	OD-21-OD-22	113.247	89.46454	89	27	52.34765	269.464541	269	27	52.34765
23	OD-23	284884.88793	2206468.67236	OD-22-OD-23	98.925	296.01678	296	1	0.41859	116.016783	116	1	0.41859
24	OD-24	284809.72938	2206536.43355	OD-23-OD-24	101.195	312.03708	312	2	13.48580	132.037079	132	2	13.48580
25	OD-25	284861.60455	2206609.43098	OD-24-OD-25	89.553	35.39927	35	23	57.35794	215.399266	215	23	57.35794
26	OD-26	284921.55626	2206736.28753	OD-25-OD-26	140.310	25.29516	25	17	42.57983	205.295161	205	17	42.57983
27	OD-27	284943.09638	2206805.22304	OD-26-OD-27	72.222	17.35234	17	21	8.41996	197.352339	197	21	8.41996
28	OD-28	284893.35461	2206848.61479	OD-27-OD-28	66.008	311.09951	311	5	58.22253	131.099506	131	5	58.22253
29	OD-29	284960.02975	2206968.20669	OD-28-OD-29	136.923	29.14063	29	8	26.28144	209.140634	209	8	26.28144
30	OD-01	285169.70051	2207008.63803	OD-29-OD-01	213.533	79.08548	79	5	7.72800	259.08548	259	5	7.72800
Total					3430.689	Say 3.431Km.							



DGPS Co-ordinate of CA Boundary Pillar				
Sl. No	Code	Easting	Northing	Latitude
1	OD-01	285169.70051	2207008.63803	19°56'51.75600"
2	OD-02	285333.79779	2206965.05055	19°56'50.42400"
3	OD-03	285431.01562	2206878.60679	19°56'47.65200"
4	OD-04	285507.65365	2206795.29949	19°56'44.95200"
5	OD-05	285583.39313	2206767.48657	19°56'44.08800"
6	OD-06	285652.88142	2206715.29428	19°56'42.43200"
7	OD-07	285741.40617	2206645.42493	19°56'40.20000"
8	OD-08	285855.93197	2206525.22016	19°56'36.31200"
9	OD-09	285847.39183	2206381.73464	19°56'31.66800"
10	OD-10	285798.81993	2206158.71478	19°56'24.39600"
11	OD-11	285555.50232	2206081.07522	19°56'21.76800"
12	OD-12	285253.71760	2205989.07693	19°56'18.67200"
13	OD-13	285047.63567	2205926.25340	19°56'16.54800"
14	OD-14	285066.68571	2205989.75352	19°56'18.60000"
15	OD-15	285092.32168	2206003.00476	19°56'19.03200"
16	OD-16	285133.67708	2206103.45521	19°56'22.34400"
17	OD-17	285171.69684	2206146.93839	19°56'23.74800"
18	OD-18	285190.74688	2206212.55518	19°56'25.90800"
19	OD-19	285188.63021	2206285.58033	19°56'28.28400"
20	OD-20	285157.93848	2206361.78048	19°56'30.73200"
21	OD-21	285087.03000	2206426.33894	19°56'32.82000"
22	OD-22	284973.78811	2206425.28061	19°56'32.96400"
23	OD-23	284884.88793	2206468.67236	19°56'34.36800"
24	OD-24	284809.72938	2206536.43355	19°56'36.27600"
25	OD-25	284861.60455	2206609.43098	19°56'38.65200"
26	OD-26	284921.55626	2206736.28753	19°56'42.82800"
27	OD-27	284943.09638	2206805.22304	19°56'45.06000"
28	OD-28	284893.35461	2206848.61479	19°56'46.46400"
29	OD-29	284960.02975	2206968.20669	19°56'50.38800"

Area 66.242 Ha.

- LEGEND
- Compensatory Afforestation Boundary Pillar
 - Compensatory Afforestation Area

User Agency :



