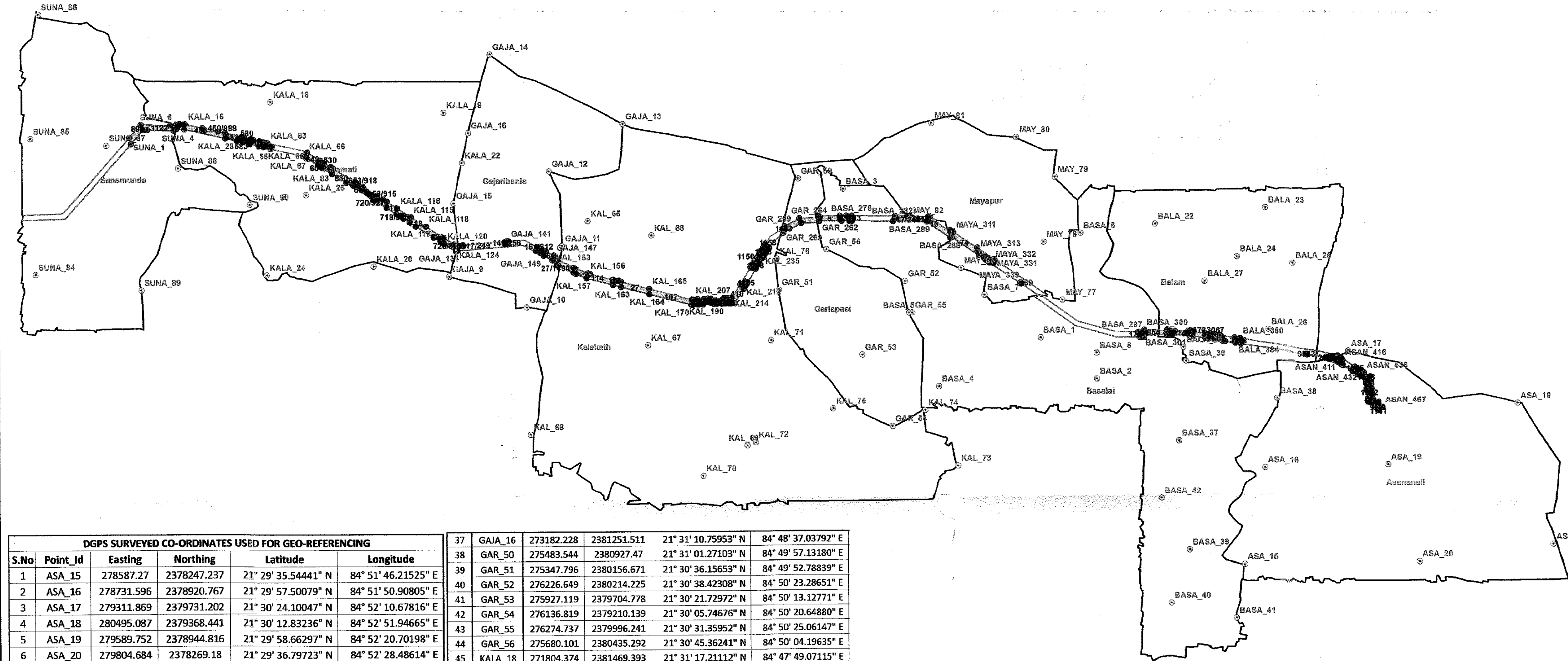


INDEX MAP SHOWING FOREST AREA PROPOSED FOR DIVERSION ON THE RIGHT OF WAY OF 220 KV LILO TRANSMISSION LINE FROM LOC NO.331 OF EXISTING 220 KV RENGALI - TARKERA LINE TO PROPOSED 220/33 KV GRID SUB-STATION AT SUNAMUNDA UNDER OPTCL PROJECT IN DEOGARH DISTRICT UNDER DEOGARH FOREST DIVISION.



DGPS SURVEYED CO-ORDINATES USED FOR GEO-REFERENCING					
S.No	Point Id	Easting	Northing	Latitude	Longitude
1	ASA_15	278587.27	2378247.237	21° 29' 35.54441" N	84° 51' 46.21525" E
2	ASA_16	278731.596	2378920.767	21° 29' 57.50079" N	84° 51' 50.90805" E
3	ASA_17	279311.869	2379731.202	21° 30' 24.10047" N	84° 52' 10.67816" E
4	ASA_18	280495.087	2379368.441	21° 30' 12.83236" N	84° 52' 51.94665" E
5	ASA_19	279589.752	2378944.816	21° 29' 58.66297" N	84° 52' 20.70198" E
6	ASA_20	279804.684	2378269.18	21° 29' 36.79723" N	84° 52' 28.48614" E
7	ASA_21	280741.47	2378383.698	21° 29' 40.93271" N	84° 53' 00.96754" E
8	BALA_22	277971.999	2380608.712	21° 30' 52.02688" N	84° 51' 23.72159" E
9	BALA_23	278740.322	2380721.859	21° 30' 56.04676" N	84° 51' 50.35572" E
10	BALA_24	278540.326	2380380.998	21° 30' 44.87856" N	84° 51' 43.57083" E
11	BALA_25	278926.001	2380338.435	21° 30' 43.66658" N	84° 51' 56.98738" E
12	BALA_26	278757.247	2379875.474	21° 30' 28.54692" N	84° 51' 51.34560" E
13	BALA_27	278315.053	2380211.508	21° 30' 39.26927" N	84° 51' 35.82670" E
14	BALA_28	278165.736	2379751.16	21° 30' 24.23979" N	84° 51' 30.85949" E
15	BASA_1	277171.189	2379819.115	21° 30' 26.00441" N	84° 50' 56.28314" E
16	BASA_2	277563.953	2379533.609	21° 30' 16.90013" N	84° 51' 10.06144" E
17	BASA_3	275796.867	2380853.597	21° 30' 59.01120" N	84° 50' 08.05073" E
18	BASA_4	276461.707	2379483.582	21° 30' 14.78045" N	84° 50' 31.80155" E
19	BASA_5	276254.013	2379993.897	21° 30' 31.27404" N	84° 50' 24.34277" E
20	BASA_6	276452.564	2380546.521	21° 30' 49.77344" N	84° 51' 05.70866" E
21	BASA_7	276780.909	2380118.323	21° 30' 35.55480" N	84° 50' 42.58407" E
22	BASA_8	2779712.522	2379712.522	21° 30' 22.71437" N	84° 51' 09.89431" E
23	BASA_36	278183.747	2379657.202	21° 30' 21.19384" N	84° 51' 31.52979" E
24	BASA_37	278133.781	2379107.602	21° 30' 03.30763" N	84° 51' 30.05600" E
25	BASA_38	278817.378	2379398.383	21° 30' 13.06315" N	84° 51' 53.66071" E
26	BASA_39	278205.342	2378348.217	21° 29' 38.65675" N	84° 51' 32.90276" E
27	BASA_40	278077.268	2377980.938	21° 29' 26.66182" N	84° 51' 28.62950" E
28	BASA_41	278528.059	2377876.018	21° 29' 23.45213" N	84° 51' 44.33514" E
29	BASA_42	278011.26	2378704.708	21° 29' 50.15756" N	84° 51' 25.99247" E
30	GAJA_9	273048.396	2380255.802	21° 30' 38.33549" N	84° 48' 32.87447" E
31	GAJA_10	273589.135	2380045.665	21° 30' 31.75174" N	84° 48' 51.75822" E
32	GAJA_11	273837.516	2380466.704	21° 30' 45.45955" N	84° 49' 00.18077" E
33	GAJA_12	273746.769	2380984.069	21° 31' 02.32401" N	84° 48' 56.77743" E
34	GAJA_13	274262.121	2381311.733	21° 31' 13.20801" N	84° 49' 14.51931" E
35	GAJA_14	273335.833	2381795.242	21° 31' 28.50213" N	84° 48' 42.10866" E
36	GAJA_15	273078.914	2380764.085	21° 30' 54.86988" N	84° 48' 33.68681" E
37	GAJA_16	273182.228	2381251.511	21° 31' 10.75953" N	84° 48' 37.03792" E
38	GAR_50	275483.544	2380927.47	21° 31' 01.27103" N	84° 49' 57.13180" E
39	GAR_51	275347.796	2380156.671	21° 30' 36.15653" N	84° 49' 52.78839" E
40	GAR_52	276226.649	2380214.225	21° 30' 38.42308" N	84° 50' 23.28651" E
41	GAR_53	275927.119	2379704.778	21° 30' 21.72972" N	84° 50' 13.12771" E
42	GAR_54	276136.819	2379210.139	21° 30' 05.74676" N	84° 50' 20.64880" E
43	GAR_55	276274.737	2379996.241	21° 30' 31.35952" N	84° 50' 25.06147" E
44	GAR_56	275680.101	2380435.292	21° 30' 45.36241" N	84° 50' 04.19635" E
45	KALA_18	271804.374	2381469.393	21° 31' 17.21112" N	84° 47' 49.07115" E
46	KALA_19	273010.876	2381393.311	21° 31' 15.29021" N	84° 48' 31.01681" E
47	KALA_20	272520.858	2380328.12	21° 30' 40.44520" N	84° 48' 14.51614" E
48	KALA_21	271902.993	2380811.904	21° 30' 55.88651" N	84° 47' 52.81886" E
49	KALA_22	273137.877	2381043.73	21° 31' 03.98588" N	84° 48' 35.59860" E
50	KALA_24	271776.53	2380269.67	21° 30' 38.20472" N	84° 47' 48.69198" E
51	KALA_25	272052.059	2380823.119	21° 30' 56.31933" N	84° 47' 57.99101" E
52	KAL_65	274016.927	2380639.209	21° 30' 51.23790" N	84° 49' 06.32870" E
53	KAL_66	274458.969	2380537.715	21° 30' 48.13960" N	84° 49' 21.73188" E
54	KAL_67	274435.082	2379778.336	21° 30' 23.44683" N	84° 49' 21.26989" E
55	KAL_68	273614.293	2379085.372	21° 30' 01.23497" N	84° 49' 45.52041" E
56	KAL_69	275123.661	2379085.372	21° 30' 01.23497" N	84° 49' 45.52041" E
57	KAL_70	274815.778	2378874.183	21° 29' 54.23161" N	84° 49' 34.92932" E
58	KAL_71	275291.875	2379808.236	21° 30' 24.80614" N	84° 49' 51.01413" E
59	KAL_72	275180.535	2379104.915	21° 30' 01.89585" N	84° 49' 47.48631" E
60	KAL_73	276593.292	2378938.175	21° 29' 57.11203" N	84° 50' 36.63326" E
61	KAL_74	276364.213	2379320.051	21° 30' 09.42139" N	84° 50' 28.49385" E
62	KAL_75	275722.888	2379333.032	21° 30' 09.55490" N	84° 50' 06.21316" E
63	KAL_76	275333.513	2380371.86	21° 30' 43.14436" N	84° 49' 52.18850" E
64	MAY_77	277326.356	2380082.743	21° 30' 34.64218" N	84° 51' 01.51184" E
65	MAY_78	277192.821	2380483.302	21° 30' 47.60240" N	84° 50' 56.71678" E
66	MAY_79	277273.939	2380933.292	21° 31' 02.26487" N	84° 50' 59.31916" E
67	MAY_80	277005.173	2381210.664	21° 31' 11.15999" N	84° 50' 49.85055" E
68	MAY_81	276414.313	2381310.16	21° 31' 14.12877" N	84° 50' 29.27857" E
69	MAY_82	276262.605	2380650.817	21° 30' 52.62986" N	84° 50' 24.32564" E
70	MAY_83	276618.87	2380303.085	21° 30' 41.48749" N	84° 50' 36.86725" E
71	SUNA_84	270166.213	2380273.075	21° 30' 37.57448" N	84° 46' 52.75972" E
72	SUNA_85	270129.73	2381214.907	21° 31' 08.16890" N	84° 46' 50.02768" E
73	SUNA_86	270185.857	2382073.552	21° 31' 36.10237" N	84° 46' 52.55329" E
74	SUNA_87	270658.906	2381167.449	21° 31' 06.87061" N	84° 47' 09.43174" E
75	SUNA_88	271158.524	2381006.863	21° 31' 01.88129" N	84° 47' 26.86466" E
76	SUNA_89	270902.775	2380163.81	21° 30' 34.36270" N	84° 47' 18.39613" E
77	SUNA_90	271658.596	2380756.613	21° 30' 53.97735" N	84° 47' 44.35706" E

Legend

Geo Referenced Surveyed Points

Derived Points

Forest Plots

Transmission Line Corridor

Village Boundary

- DGPS Survey of forest areas proposed for diversion on the Right of way of 220 KV LILO Transmission line from Loc. 331 of existing 220 KV Rengali - Tarkera line to proposed 220/33KV Grid Sub-Station at Sunamunda in Deogarh district of M/s. OPTCL has been carried out by the Deputy General Manager, OPTCL, Jharsuguda through M/s. Visiointek Consultancy Services Pvt. Ltd, Bhubaneswar.

- DGPS Survey Co-ordinates are verified by ORSAC. Also Maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets and compared with Ortho-rectified Cartosat Satellite image and found that maps are correct at a confidence level of 95%.

- All the forest areas proposed for diversion comes under Revenue forest category, in eleven cadastral sheets of nine Revenue villages. Total forest areas proposed for diversion works out to 21.156 Ha. from the submitted -shp files against the allotted area of 21.159 Ha. as mentioned in the submitted land schedule.

- Additional 11 maps showing cadastral sheet wise forest areas proposed for diversion are attached here with.

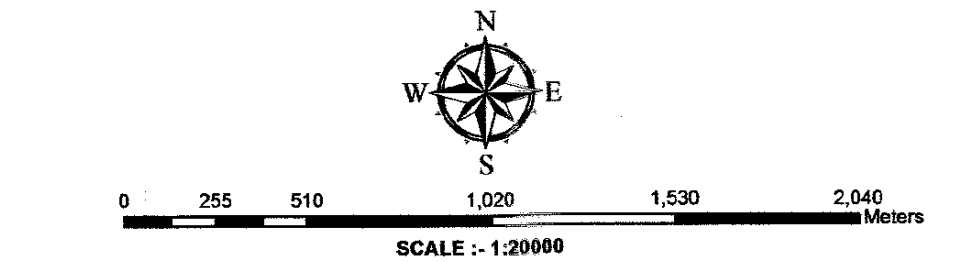
Map No. FDC-50
Date: 04/12/2018
Auth. Signature
Bhubaneswar

Surveyed and Prepared By :-



Visiointek Consultancy Services Pvt. Ltd.

(An ISO 9001:2015 Certified)



AREA STATISTICS OF PROPOSED FOR DIVERSION ON THE RIGHT OF WAY OF 220 KV LILO TRANSMISSION LINE FROM LOC NO.331 OF EXISTING 220 KV RENGALI - TARKERA LINE TO PROPOSED 220/33 KV GRID SUB-STATION AT SUNAMUNDA UNDER OPTCL PROJECT.

No	Village Name	Plot No	Hal_Kissam	Sabik_Kissam	Req_Area_Ha	Map_Area_Ha
1	Asanani, Sh. 1	1141	Jungle	Bada_Jungle	0.130	0.130
2	Asanani, Sh. 1	1047		Bada_Jungle	0.001	0.001
3	Asanani, Sh. 1	1048		Bada_Jungle	0.032	0.032
4	Asanani, Sh. 1	1048/2455		Bada_Jungle	0.005	0.005
5	Asanani, Sh. 1	1049		Patra_Jungle	0.178	0.178
6	Asanani, Sh. 1	1050		Bada_Jungle	0.077	0.077
7	Asanani, Sh. 1	1051	Jungle	Bada_Jungle	0.007	0.007
8	Asanani, Sh. 1	1052		Bada_Jungle	0.173	0.173
9	Asanani, Sh. 1	1054		Bada_Jungle	0.016	0.016
10	Asanani, Sh. 1	1075		Bada_Jungle	0.108	0.108
11	Asanani, Sh. 1	1076		Bada_Jungle	0.260	0.260
12	Asanani, Sh. 1	1055	Jungle	Bada_Jungle	0.112	0.112
13	Asanani, Sh. 1	1072		Patra_Jungle	0.032	0.032
14	Asanani, Sh. 1	33		Bada_Jungle	0.053	0.053
15	Asanani, Sh. 1	34		Bada_Jungle	0.063	0.063
16	Asanani, Sh. 1	35		Bada_Jungle	0.017	0.017
17	Asanani, Sh. 1	37		Bada_Jungle	0.098	0.098
18	Asanani, Sh. 1	38		Bada_Jungle	0.001	0.001
19	Asanani, Sh. 1	32		Bada_Jungle	0.019	0.019
20	Asanani, Sh. 1	30		Bada_Jungle	0.030	0.030
21	Asanani, Sh. 1	28		Bada_Jungle	0.012	0.012
22	Asanani, Sh. 1	29		Bada_Jungle	0.027	0.027
23	Asanani, Sh. 1	23		Bada_Jungle	0.013	0.013
24	Asanani, Sh. 1	1053		Bada_Jungle	0.001	0.001
25	Balam, Sh. 5	3343		Patra_Jungle	0.003	0.003
26	Balam, Sh. 5	3064		Bada_Jungle	0.012	0.012
27	Balam, Sh. 5	3063		Bada_Jungle	0.011	0.011
28	Balam, Sh. 5	3114		Bada_Jungle	0.039	0.039
29	Balam, Sh. 5	3083		Bada_Jungle	0.053	0.053
30	Balam, Sh. 5	3082		Bada_Patra_Jungle	0.118	0.117
31	Balam, Sh. 5	3067		Bada_Jungle	0.076	0.076
32	Balam, Sh. 5	3065		Bada_Jungle	0.030	0.030
33	Balam, Sh. 5	3081		Bada_Jungle	0.057	0.058
34	Balam, Sh. 5	2676		Bada_Patra_Jungle	0.404	0.404
35	Balam, Sh. 5	3080		Patra_Jungle	0.029	0.029
36	Balam, Sh. 5	2675		Patra_Jungle	0.006	0.006
37	Balam, Sh. 5	2674		Bada_Patra_Jungle	0.396	0.398
38	Balam, Sh. 5	2673/3940		Patra_Jungle	0.019	0.027
39	Balam, Sh. 5	3079		Patra_Jungle	0.007	0.007
40	Balam, Sh. 5	3118	Jungle	Jungle	0.157	0.163
41	Balam, Sh. 5	2595		Patra_Jungle	0.166	0.126
42	Basaloi, Sh. 1	178	Patra_Jungle	Patra_Jungle	0.115	0.115
43	Basaloi, Sh. 1	381	Patra_Jungle	Patra_Jungle	0.001	0.001
44	Basaloi, Sh. 1	9	Patra_Jungle	Patra_Jungle	0.531	0.536
45	Basaloi, Sh. 1	3/3103	Patra_Jungle	Patra_Jungle	0.085	0.090
46	Basaloi, Sh. 1	16	Gramya_Jungle	Gramya_Jungle	1.201	1.209
47	Basaloi, Sh. 3	2054	Patra_Jungle	Patra_Jungle	0.383	0.363
48	Basaloi, Sh. 3	2056	Jungle	Jungle	0.057	0.046
49	Gajaribania	161	Gramya_Jungle	Gramya_Jungle	0.236	0.237
50	Gajaribania	161/212	Gramya_Jungle	Gramya_Jungle	0.096	0.100
51	Gajaribania	117/249	Jungle	Jungle	0.011	0.013
52	Gajaribania	146/256	Jungle	Jungle	0.003	0.004
53	Garijasi	4	Patra_Jungle	Patra_Jungle	0.091	0.092
54	Kalakaith, Sh. 1	430	Patra_Jungle	Patra_Jungle	0.573	0.573
55	Kalakaith, Sh. 1	50		Patra_Jungle	0.052	0.052
57	Kalakaith, Sh. 1	53		Patra_Jungle	0.048	0.048
58	Kalakaith, Sh. 1	411		Patra_Jungle	0.001	0.001
59	Kalakaith, Sh. 1	83		Patra_Jungle	0.048	0.048
60	Kalakaith, Sh. 1	107	Patra_Jungle	Patra_Jungle	1.138	1.138
61	Kalakaith, Sh. 2	124	Patra_Jungle	Patra_Jungle	1.224	1.224
62	Kalakaith, Sh. 2	114	Patra_Jungle	Patra_Jungle	0.794	0.794
63	Kalakaith, Sh. 1	27/1490		Patra_Jungle	0.216	0.216
64	Kalakaith, Sh. 1	57	Patra_Jungle	Patra_Jungle	0.142	0.142
65	Kalakaith, Sh. 1	90		Patra_Jungle	0.022	0.022
66	Kalakaith, Sh. 1	95		Patra_Jungle	0.011	0.011
67	Kalakaith, Sh. 1	85		Patra_Jungle	0.009	0.009
68	Kalakaith, Sh. 1	84		Patra_Jungle	0.092	0.092
69	Kalakaith, Sh. 1	113	Jungle	Patra_Jungle	0.022	0.022
70	Kalakaith, Sh. 1	113		Patra_Jungle	0.011	0.011
71	Kalakaith, Sh. 1	96	Patra_Jungle	Patra_Jungle	0.100	0.100
72	Kalakaith, Sh. 3	1153	Patra_Jungle	Patra_Jungle	0.006	0.006
73	Kalakaith, Sh. 3	1157		Patra_Jungle	0.007	0.007
74	Kalakaith, Sh. 3	1151	Patra_Jungle	Patra_Jungle	0.025	0.025
75	Kalakaith, Sh. 3	1148	Patra_Jungle	Patra_Jungle	0.133	0.133
76	Kalakaith, Sh. 3	1149	Patra_Jungle	Patra_Jungle	0.014	0.014
77	Kalakaith, Sh. 3	1150		Patra_Jungle	0.073	0.073
78	Kalakaith, Sh. 3	1147		Patra_Jungle	0.028	0.028
79	Kalakaith, Sh. 3	1158		Patra_Jungle	0.111	0.111
80	Kalakaith, Sh. 3	1145		Patra_Jungle	0.017	0.017
81	Kalamati, Sh. 2	720	Jungle	Bada_Jungle	0.866	0.866
82	Kalamati, Sh. 2	653		Bada_Jungle	0.365	0.376
83	Kalamati, Sh. 2	649	Jungle	Bada_Jungle	0.362	0.371
84	Kalamati, Sh. 2	587	Jungle	Bada_Jungle	0.235	0.235
85	Kalamati, Sh. 2	582	Jungle	Bada_Jungle	0.369	0.368
86	Kalamati, Sh. 2	450	Jungle	Bada_Jungle	1.105	1.109
87	Kalamati, Sh. 2	597	Jungle	Bada_Jungle	0.044	0.043
88	Kalamati, Sh. 2	566		Bada_Jungle	0.003	0.003
89	Kalamati, Sh. 2	718	Jungle	Bada_Jungle	0.688	0.671
90	Kalamati, Sh. 2	530	Gramya_Jungle	Bada_Jungle	0.695	0.694
91	Kalamati, Sh. 2	720/811		Bada_Jungle	0.143	0.148
92	Kalamati, Sh. 2	720/929		Bada_Jungle	0.082	0.086
93	Kalamati, Sh. 2	718/95		Bada_Jungle	0.372	0.371
94	Kalamati, Sh. 2	718/926		Bada_Jungle	0.268	0.267
95	Kalamati, Sh. 2	653/915		Bada_Jungle	0.028	0.025
96	Kalamati, Sh. 2	953/917		Bada_Jungle	0.009	0.009
97	Kalamati, Sh. 2	652		Bada_Jungle	0.136	0.138
98	Kalamati, Sh. 2	651		Bada_Jungle	0.133	0.134
99	Kalamati, Sh. 2	598		Bada_Jungle	0.012	0.012
100	Kalamati, Sh. 2	599		Bada_Jungle	0.094	0.096
101	Kalamati, Sh. 2	584		Bada_Jungle	0.004	0.006
102	Kalamati, Sh. 2	583		Bada_Jungle	0.107	0.108
103	Kalamati, Sh. 2	580		Bada_Jungle	0.093	0.092
104	Kalamati, Sh. 2	450/888		Bada_Jungle	0.105	0.104
105	Kalamati, Sh. 2	449		Bada_Jungle	0.006	0.003
106	Kalamati, Sh. 2	583/798		Bada_Jungle	0.074	0.074
107	Kalamati, Sh. 2	653/918		Bada_Jungle	0.109	0.108
108	Kalamati, Sh. 2	720/927		Bada_Jungle	0.251	0.251
109	Kalamati, Sh. 2	724	Patra_Jungle	Patra_Jungle	0.808	0.808
110	Mayapur		Patra_Jungle	Bada_Jungle	0.158	0.158
111	Mayapur	17/248		Bada_Jungle	0.228	0.228
112	Mayapur	82	Patra_Jungle	Bada_Jungle	0.019	0.019
113	Mayapur	78	Patra_Jungle	Patra_Jungle	0.002	0.002
114	Mayapur	159		Patra_Jungle	0.004	0.004
115	Mayapur	86		Jungle	0.073	0.073
116	Sunamunda, Sh. 2	899	Jungle	Jungle	0.617	0.617
117	Sunamunda, Sh. 2	1122			0.637	0.640
Total:-					21.159	21.156