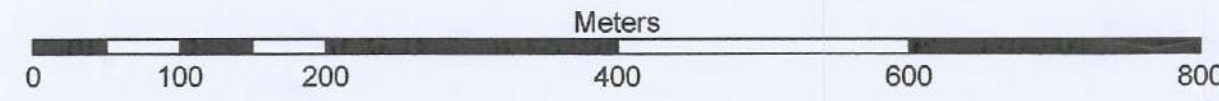


GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-KHAJURIA TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



DERIVED CO-ORDINATES OF VILLAGE FOREST POINT

SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	FO.58	301343.339	2321580.296	E85° 5' 20.394"	N20° 59' 2.944"
2	FO.59	301409.786	2321578.346	E85° 5' 22.695"	N20° 59' 2.906"
3	FO.60	301472.871	2321577.070	E85° 5' 24.879"	N20° 59' 2.889"
4	FO.61	301471.974	2321599.213	E85° 5' 24.839"	N20° 59' 3.609"
5	FO.62	301472.484	2321670.434	E85° 5' 24.827"	N20° 59' 5.925"
6	FO.63	301382.911	2321671.830	E85° 5' 21.726"	N20° 59' 5.935"
7	FO.64	301382.052	2321671.315	E85° 5' 21.697"	N20° 59' 5.918"
8	FO.65	301341.501	2321672.432	E85° 5' 20.292"	N20° 59' 5.939"
9	FO.72	301452.645	2321358.024	E85° 5' 24.270"	N20° 58' 55.760"
10	FO.73	301450.606	2321362.107	E85° 5' 24.198"	N20° 58' 55.892"
11	FO.74	301442.692	2321387.114	E85° 5' 23.913"	N20° 58' 56.702"
12	FO.75	301438.026	2321403.928	E85° 5' 23.745"	N20° 58' 57.247"
13	FO.76	301434.694	2321410.947	E85° 5' 23.627"	N20° 58' 57.474"
14	FO.77	301432.039	2321419.099	E85° 5' 23.531"	N20° 58' 57.738"
15	FO.78	301441.746	2321419.697	E85° 5' 23.867"	N20° 58' 57.761"
16	FO.79	301453.354	2321421.876	E85° 5' 24.268"	N20° 58' 57.836"
17	FO.80	301461.416	2321423.343	E85° 5' 24.546"	N20° 58' 57.887"
18	FO.81	301486.483	2321424.977	E85° 5' 25.413"	N20° 58' 57.950"
19	FO.82	301502.321	2321417.159	E85° 5' 25.965"	N20° 58' 57.702"
20	FO.83	301498.355	2321402.371	E85° 5' 25.834"	N20° 58' 57.220"
21	FO.84	301488.867	2321372.307	E85° 5' 25.518"	N20° 58' 56.239"
22	FO.85	301497.936	2321364.660	E85° 5' 25.835"	N20° 58' 55.994"
23	FO.86	301497.711	2321361.426	E85° 5' 25.828"	N20° 58' 55.888"
24	FO.87	301477.397	2321358.340	E85° 5' 25.126"	N20° 58' 55.780"
25	FO.88	301747.012	2321746.237	E85° 5' 34.299"	N20° 59' 8.495"
26	FO.89	301760.122	2321742.298	E85° 5' 34.755"	N20° 59' 8.372"
27	FO.90	301759.761	2321722.241	E85° 5' 34.751"	N20° 59' 7.720"
28	FO.91	301757.786	2321701.906	E85° 5' 34.691"	N20° 59' 7.058"
29	FO.92	301756.883	2321685.850	E85° 5' 34.666"	N20° 59' 6.536"
30	FO.93	301758.735	2321666.218	E85° 5' 34.738"	N20° 59' 5.899"
31	FO.94	301760.560	2321627.907	E85° 5' 34.817"	N20° 59' 4.654"
32	FO.95	301745.901	2321671.194	E85° 5' 34.292"	N20° 59' 6.055"
33	FO.96	301730.659	2321713.891	E85° 5' 33.747"	N20° 59' 7.438"
34	FO.97	301726.534	2321726.817	E85° 5' 33.598"	N20° 59' 7.856"
35	FO.98	301741.935	2321725.369	E85° 5' 34.132"	N20° 59' 7.815"
36	FO.99	301745.938	2321726.177	E85° 5' 34.270"	N20° 59' 7.843"
37	FO.100	301745.776	2321739.816	E85° 5' 34.259"	N20° 59' 8.286"
38	FO.101	301749.913	2321780.045	E85° 5' 34.386"	N20° 59' 9.596"
39	FO.102	301748.483	2321767.283	E85° 5' 34.342"	N20° 59' 9.180"
40	FO.103	301757.593	2321765.042	E85° 5' 34.658"	N20° 59' 9.111"
41	FO.104	301769.112	2321761.096	E85° 5' 35.058"	N20° 59' 8.987"
42	FO.105	301776.934	2321759.621	E85° 5' 35.330"	N20° 59' 8.942"
43	FO.106	301776.186	2321723.053	E85° 5' 35.319"	N20° 59' 7.753"
44	FO.107	301772.431	2321697.802	E85° 5' 35.199"	N20° 59' 6.931"
45	FO.108	301771.131	2321672.725	E85° 5' 35.165"	N20° 59' 6.115"
46	FO.109	301773.283	2321628.607	E85° 5' 35.257"	N20° 59' 4.681"
47	FO.110	301773.071	2321603.187	E85° 5' 35.260"	N20° 59' 3.855"
48	FO.111	301774.555	2321580.147	E85° 5' 35.321"	N20° 59' 3.106"
49	FO.112	301776.009	2321576.625	E85° 5' 35.373"	N20° 59' 2.993"
50	FO.113	301784.661	2321532.692	E85° 5' 35.691"	N20° 59' 1.568"
51	FO.114	301792.734	2321505.217	E85° 5' 35.982"	N20° 59' 0.678"
52	FO.115	301809.550	2321459.919	E85° 5' 36.582"	N20° 58' 59.211"
53	FO.116	301815.257	2321445.640	E85° 5' 36.786"	N20° 58' 58.749"
54	FO.117	301815.682	2321441.624	E85° 5' 36.802"	N20° 58' 58.619"
55	FO.118	301813.827	2321386.133	E85° 5' 36.761"	N20° 58' 56.814"
56	FO.119	301813.085	2321378.710	E85° 5' 36.738"	N20° 58' 56.573"
57	FO.120	301814.112	2321373.393	E85° 5' 36.776"	N20° 58' 56.400"
58	FO.121	301835.008	2321339.103	E85° 5' 37.513"	N20° 58' 55.293"
59	FO.122	301835.055	2321348.467	E85° 5' 37.511"	N20° 58' 55.598"
60	FO.139	301820.131	2321541.929	E85° 5' 36.915"	N20° 59' 1.882"
61	FO.140	301818.767	2321549.864	E85° 5' 36.864"	N20° 59' 2.139"
62	FO.141	301818.472	2321570.326	E85° 5' 36.846"	N20° 59' 2.804"
63	FO.142	301824.289	2321594.142	E85° 5' 37.037"	N20° 59' 3.581"
64	FO.143	301846.658	2321683.096	E85° 5' 37.775"	N20° 59' 6.481"
65	FO.144	301866.345	2321758.415	E85° 5' 38.425"	N20° 59' 8.938"
66	FO.148	301696.452	2321618.249	E85° 5' 32.602"	N20° 59' 4.315"
67	FO.149	301717.796	2321609.462	E85° 5' 33.344"	N20° 59' 4.038"
68	FO.150	301729.170	2321606.940	E85° 5' 33.739"	N20° 59' 3.960"
69	FO.151	301746.987	2321604.618	E85° 5' 34.357"	N20° 59' 3.891"
70	FO.152	301757.949	2321603.724	E85° 5' 34.737"	N20° 59' 3.867"
71	FO.153	301760.975	2321603.684	E85° 5' 34.841"	N20° 59' 3.866"
72	FO.154	301761.690	2321591.965	E85° 5' 34.871"	N20° 59' 3.486"
73	FO.155	301764.522	2321569.802	E85° 5' 34.978"	N20° 59' 2.766"
74	FO.156	301765.386	2321554.783	E85° 5' 35.014"	N20° 59' 2.278"
75	FO.157	301750.946	2321558.732	E85° 5' 34.513"	N20° 59' 2.401"
76	FO.158	301735.949	2321561.584	E85° 5' 33.993"	N20° 59' 2.488"
77	FO.159	301707.559	2321566.076	E85° 5' 33.008"	N20° 59' 2.623"
78	FO.160	301686.468	2321570.570	E85° 5' 32.276"	N20° 59' 2.761"
79	FO.161	301681.478	2321610.448	E85° 5' 32.087"	N20° 59' 4.055"
80	FO.162	301688.297	2321613.522	E85° 5' 32.322"	N20° 59' 4.158"
81	FO.163	301710.146	2321447.339	E85° 5' 33.147"	N20° 58' 58.764"
82	FO.164	301727.316	2321447.087	E85° 5' 33.741"	N20° 58' 58.762"
83	FO.165	301755.954	2321443.886	E85° 5' 34.734"	N20° 58' 58.669"
84	FO.166	301760.746	2321443.031	E85° 5' 34.900"	N20° 58' 58.643"
85	FO.167	301775.934	2321441.745	E85° 5' 35.426"	N20° 58' 58.608"
86	FO.168	301777.374	2321441.305	E85° 5' 35.476"	N20° 58' 58.594"
87	FO.169	301774.179	2321439.092	E85° 5' 35.366"	N20° 58' 58.521"
88	FO.170	301774.902	2321425.159	E85° 5' 35.397"	N20° 58' 58.068"
89	FO.171	301780.642	2321426.793	E85° 5' 35.595"	N20° 58' 58.123"
90	FO.172	301791.063	2321428.631	E85° 5' 35.955"	N20° 58' 58.187"
91	FO.173	301801.293	2321429.035	E85° 5' 36.309"	N20° 58' 58.204"
92	FO.174	301801.454	2321423.924	E85° 5' 36.317"	N20° 58' 58.038"
93	FO.175	301801.383	2321386.805	E85° 5' 36.330"	N20° 58' 56.831"
94	FO.176	301798.575	2321386.508	E85° 5' 36.233"	N20° 58' 56.821"
95	FO.177	301770.409	2321387.654	E85° 5' 35.277"	N20° 58' 56.847"
96	FO.178	301744.088	2321387.556	E85° 5' 34.346"	N20° 58' 56.833"
97	FO.179	301744.064	2321375.120	E85° 5' 34.350"	N20° 58' 56.429"
98	FO.180	301744.483	2321374.509	E85° 5' 34.355"	N20° 58' 56.409"
99	FO.181	301744.778	2321361.102	E85° 5' 34.381"	N20° 58' 55.974"
100	FO.182	301745.481	2321352.546	E85° 5' 34.409"	N20° 58' 55.696"
101	FO.183	301734.615	2321351.445	E85° 5' 34.033"	N20° 58' 55.656"
102	FO.184	301720.969	2321351.398	E85° 5' 33.561"	N20° 58' 55.649"
103	FO.185	301718.358	2321367.134	E85° 5' 33.464"	N20° 58' 56.160"
104	FO.186	301714.730	2321392.290	E85° 5' 33.328"	N20° 58' 56.976"
105	FO.187	301714.375	2321409.467	E85° 5' 33.309"	N20° 58' 57.534"
106	FO.188	301714.813	2321413.066	E85° 5' 33.322"	N20° 58' 57.651"
107	FO.189	301713.799	2321420.956	E85° 5' 33.284"	N20° 58' 57.908"
108	FO.190	301711.085	2321432.144	E85° 5' 33.185"	N20° 58' 58.270"
109	FO.191	301709.572	2321439.906	E85° 5' 33.130"	N20° 58' 58.522"



DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT

SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	KHAJ-1	301593.750	2321660.615	85°05'29.02927"	20°59'05.65239"
2	KHAJ-2	301868.388	2321770.153	85°05'38.49104"	20°59'09.31998"
3	KHAJ-3	301618.091	2321287.552	85°05'30.02597"	20°58'53.53345"
4	KHAJ-4	301748.796	2321067.947	85°05'34.64100"	20°58'46.44472"
5	KHAJ-5	301863.215	2320878.496	85°05'38.67977"	20°58'40.32994"
6	KHAJ-6	301915.801	2320766.379	85°05'40.54625"	20°58'36.70533"

DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS

SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	M-145	301337.559	2321749.211	85°05'20.12428"	20°59'08.43320"
2	M-146	301846.366	2321787.257	85°05'37.72165"	20°59'09.86752"
3	M-147	301889.129	2321784.282	85°05'39.20320"	20°59'09.78738"

DGPS OBSERVATION CO-ORDINATES OF SAFETY ZONE PILLARS

SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	S-145	301337.819	2321741.716	85°05'20.13637"	20°59'08.18963"
2	S-146	301846.385	2321779.737	85°05'37.72543"	20°59'09.62304"
3	S-147	301888.609	2321776.800	85°05'39.18829"	20°59'09.54395"

AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION

SL. NO.	VILLAGE	PLOT NO.	KISAM	ALLOTED AREA (Acre)	ALLOTED AREA (Hectare)	MAP AREA (Hectare)
1		12/242		2.700	1.093	1.232
2		31/221		0.500	0.202	0.173
3		33		0.880	0.356	0.364
4	Khajuria	48	JUNGLE-2	0.410	0.166	0.167
5		50		0.920	0.372	0.392
6		8 (P)		4.500	1.821	2.084
7		96		0.830	0.336	0.344
			TOTAL AREA	10.740	4.346	4.756

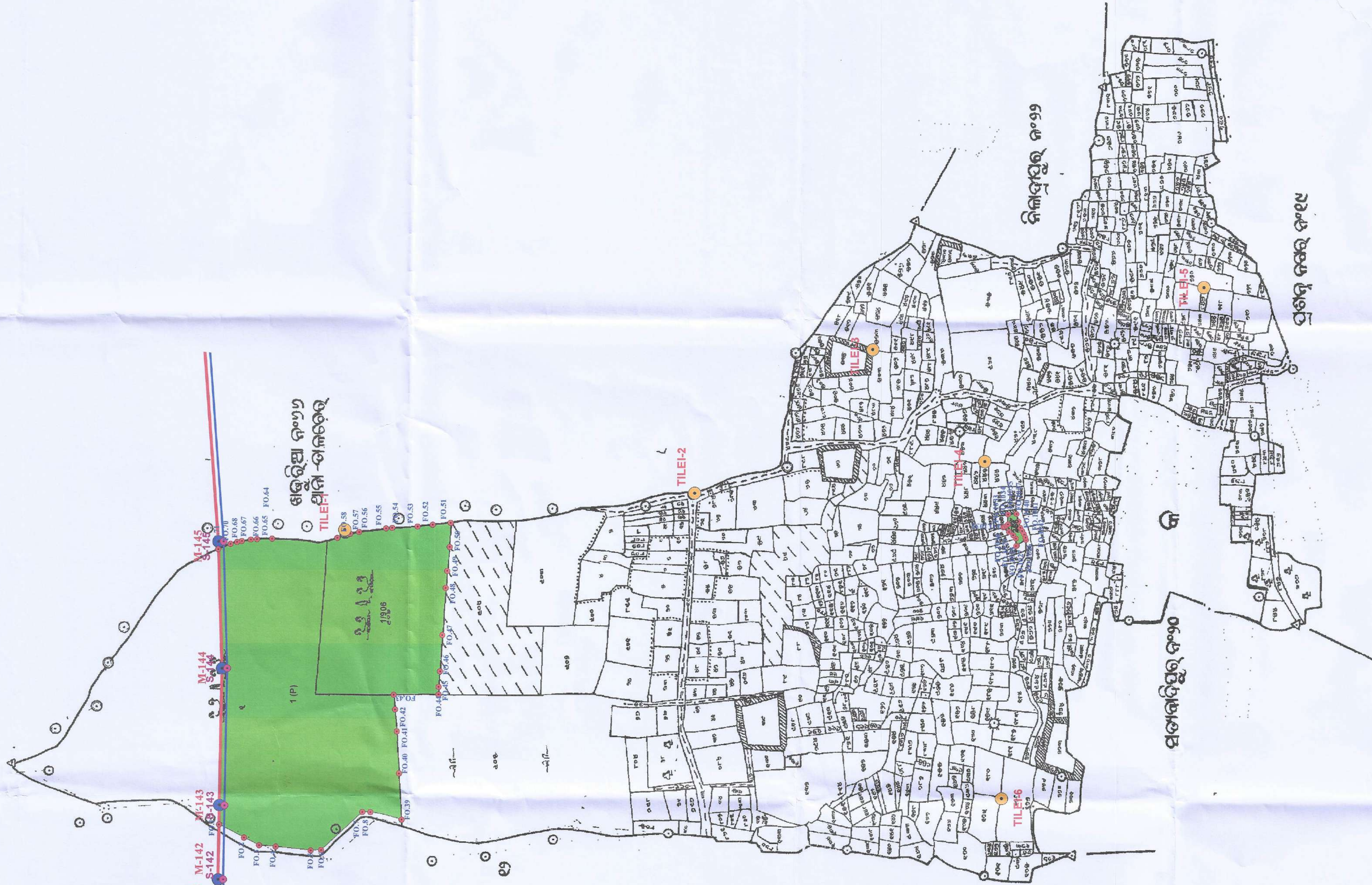
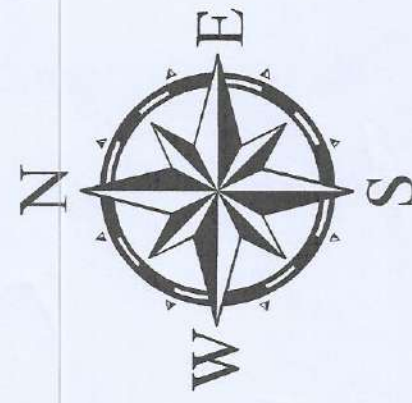
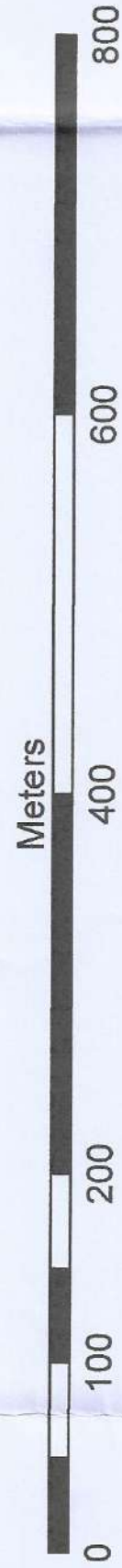
LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS
- DGPS OBSERVATION CO-ORDINATES OF S.Z. PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- SEAFTY ZONE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

DGPS Survey Conducted and Map Prepared by :-

GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-TILEIPASI TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT			
SL.NO.	POINT ID	EASTING	NORTHING
1	TILE-1	301354.275	2321569.942
2	TILE-2	301408.250	2321073.583
3	TILE-3	301613.567	2320821.699
4	TILE-4	301454.817	2320661.890
5	TILE-5	301704.683	2320352.989
6	TILE-6	300975.728	2320635.485

DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS			
SL.NO.	POINT ID	EASTING	NORTHING
1	M-141	300828.003	2321744.799
2	M-142	300856.001	2321746.786
3	M-143	300961.870	2321745.522
4	M-144	301157.262	2321742.955
5	M-145	301337.559	2321749.211

DGPS OBSERVATION CO-ORDINATES OF SAFETY ZONE PILLARS			
SL.NO.	POINT ID	EASTING	NORTHING
1	S-141	300827.993	2321737.298
2	S-142	300856.222	2321739.283
3	S-143	300961.781	2321738.023
4	S-144	301157.163	2321735.456
5	S-145	301337.819	2321741.716

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT			
SL.NO.	POINT ID	EASTING	NORTHING
1	FO.1	300934.351	2321745.834
2	FO.2	300916.025	2321710.234
3	FO.3	300904.992	2321688.803
4	FO.4	300903.008	2321665.387
5	FO.5	300897.452	2321615.778
6	FO.6	300898.642	2321600.696
7	FO.7	300952.617	2321542.753
8	FO.8	300952.617	2321551.243
9	FO.39	300942.019	2321487.001
10	FO.40	301008.307	2321490.821
11	FO.41	301068.141	2321494.230
12	FO.42	301099.693	2321496.945
13	FO.43	301120.586	2321498.821
14	FO.44	301120.804	2321435.453
15	FO.45	301132.010	2321434.890
16	FO.46	301154.061	2321433.461
17	FO.47	301205.717	2321430.341
18	FO.48	301272.346	2321425.711
19	FO.49	301296.478	2321423.545
20	FO.50	301330.948	2321420.698
21	FO.51	301365.487	2321419.011
22	FO.52	301362.355	2321444.464
23	FO.53	301359.621	2321466.205
24	FO.54	301357.657	2321502.074
25	FO.55	301356.888	2321510.964
26	FO.56	301351.934	2321549.377
27	FO.57	301349.100	2321562.065
28	FO.58	301343.339	2321580.296
29	FO.65	301341.501	2321672.432
30	FO.66	301341.350	2321693.760
31	FO.67	301340.139	2321702.784
32	FO.68	301338.071	2321715.182
33	FO.69	301337.122	2321721.891
34	FO.70	301334.444	2321731.441
35	FO.71	301327.263	2321748.856
36	FO.1026	301343.914	2320603.217
37	FO.1027	301335.413	2320615.644
38	FO.1028	301334.720	2320616.952
39	FO.1029	301345.479	2320617.021
40	FO.1030	301350.311	2320621.240
41	FO.1031	301355.328	2320627.366
42	FO.1032	301361.548	2320635.238
43	FO.1033	301362.179	2320633.019
44	FO.1034	301363.727	2320630.628
45	FO.1035	301365.862	2320628.604
46	FO.1036	301379.746	2320628.294
47	FO.1037	301380.382	2320616.370
48	FO.1038	301369.720	2320613.439
49	FO.1039	301361.129	2320610.705
50	FO.1040	301356.366	2320608.540
51	FO.1041	301351.485	2320605.707
52	FO.1042	301347.059	2320603.806

AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION			
SL NO.	VILLAGE	PLOT NO.	KISAM
1	Tileipashi	1 (P)	JUNGLE
2		1/906	GRAMYA JUNGLE
3		256	JUNGLE-2
TOTAL AREA		32.210	13.036
		ALLOTED AREA (Hectare)	MAP AREA (Hectare)
		22.050	8.924
		10.000	4.047
		0.160	0.065
		32.210	12.322



Suvadra Consultants
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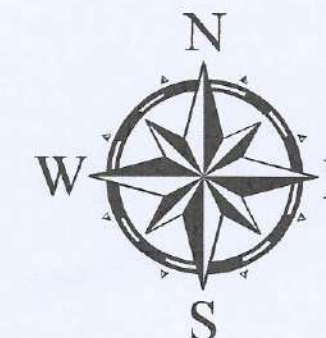
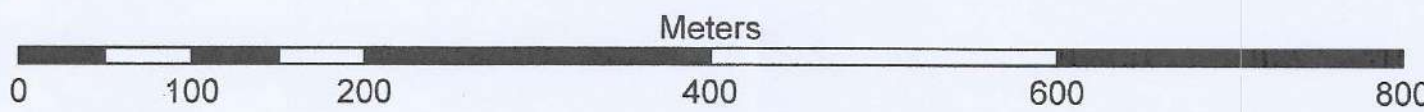
DGPS Survey Conducted and Map Prepared by :-

LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L PILLARS
- DGPS OBSERVATION CO-ORDINATES OF S.Z PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- SAFTY ZONE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-SARANGA TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT				
SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	SARANG-1	302579.228	2321723.850	85°06'03.11698"
2	SARANG-2	301987.195	2321205.901	85°05'42.83635"
3	SARANG-3	302848.812	2321448.524	85°06'12.56212"
4	SARANG-4	302148.562	2320804.403	85°05'48.58749"
5	SARANG-5	302414.627	2320880.127	85°05'57.76612"
6	SARANG-6	303205.469	2320814.775	85°06'25.16781"

DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS				
SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	M-146	301846.366	2321787.257	85°05'37.72165"
2	M-147	301889.129	2321784.282	85°05'39.20320"
3	M-148	302016.922	2321779.952	85°05'43.62875"
4	M-149	302331.614	2321768.177	85°05'54.52717"
5	M-150	302462.731	2321686.238	85°05'59.09971"
6	M-151	302560.045	2321723.278	85°06'02.45318"
7	M-152	302828.529	2321719.749	85°06'12.12458"
8	M-153	302860.086	2321610.832	85°06'13.21672"
9	M-154	303092.675	2321568.498	85°06'20.95452"

DGPS OBSERVATION CO-ORDINATES OF SAFETY ZONE PILLARS				
SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	S-146	301846.385	2321779.737	85°05'37.72543"
2	S-147	301888.609	2321776.800	85°05'39.18829"
3	S-148	302016.643	2321772.457	85°05'43.62220"
4	S-149	302329.335	2321760.757	85°05'54.54136"
5	S-150	302462.586	2321678.739	85°05'59.09780"
6	S-151	302561.222	2321715.701	85°06'02.49703"
7	S-152	302833.355	2321700.582	85°06'11.92356"
8	S-153	302864.656	2321585.020	85°06'13.05454"
9	S-154	303091.928	2321561.035	85°06'20.93173"

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT				
SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE

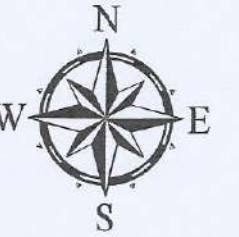
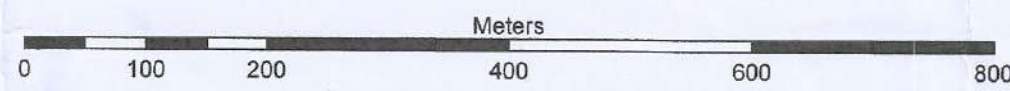
1	PO.121	301835.008	2321339.103	85°5'37.513"
2	PO.122	301835.055	2321348.467	85°5'37.511"
3	PO.123	301839.287	2321341.767	85°5'37.460"
4	PO.124	301844.643	2321334.911	85°5'37.849"
5	PO.125	301855.904	2321322.830	85°5'38.243"
6	PO.126	301856.585	2321338.815	85°5'38.260"
7	PO.127	301860.317	2321348.903	85°5'38.385"
8	PO.128	301867.034	2321368.795	85°5'38.610"
9	PO.129	301874.321	2321392.639	85°5'38.852"
10	PO.130	301879.313	2321440.593	85°5'39.019"
11	PO.131	301882.561	2321416.160	85°5'39.128"
12	PO.132	301892.626	2321455.750	85°5'39.460"
13	PO.133	301865.161	2321495.281	85°5'38.493"
14	PO.134	301844.970	2321510.308	85°5'37.788"
15	PO.135	301835.708	2321516.866	85°5'37.464"
16	PO.136	301832.149	2321518.463	85°5'37.310"
17	PO.137	301829.153	2321460.903	85°5'37.235"
18	PO.138	301823.675	2321530.300	85°5'37.042"
19	PO.139	301820.131	2321541.929	85°5'36.915"
20	PO.140	301818.767	2321549.864	85°5'36.864"
21	PO.192	301888.119	2321523.958	85°5'42.737"
22	PO.193	302005.712	2321529.466	85°5'43.344"
23	PO.194	302057.215	2321530.917	85°5'45.123"
24	PO.195	302084.666	2321540.403	85°5'46.071"
25	PO.196	302092.898	2321546.775	85°5'46.355"
26	PO.197	302090.321	2321506.769	85°5'46.282"
27	PO.198	302088.277	2321399.679	85°5'46.293"
28	PO.199	302081.991	2321395.594	85°5'46.177"
29	PO.200	302081.204	2321397.941	85°5'46.242"
30	PO.201	301979.963	2321415.066	85°5'46.816"
31	PO.202	301973.376	2321425.625	85°5'46.267"
32	PO.203	301978.336	2321458.966	85°5'46.425"
33	PO.204	302105.425	2321703.619	85°5'46.724"
34	PO.205	302125.801	2321691.217	85°5'47.434"
35	PO.206	302181.418	2321659.317	85°5'49.373"
36	PO.207	302189.541	2321657.936	85°5'49.653"
37	PO.208	302225.860	2321645.492	85°5'51.763"
38	PO.209	302298.380	2321635.830	85°5'53.431"
39	PO.210	302272.061	2321636.234	85°5'55.982"
40	PO.211	302386.253	2321640.462	85°5'56.471"
41	PO.212	302406.433	2321641.791	85°5'57.169"
42	PO.213	302444.291	2321647.303	85°5'58.477"
43	PO.214	302465.498	2321649.586	85°5'59.211"
44	PO.215	302463.117	2321643.942	85°5'59.203"
45	PO.216	302396.361	2321633.811	85°5'59.092"
46	PO.217	302388.150	2321634.054	85°5'56.539"
47	PO.218	302372.305	2321583.509	85°5'56.012"
48	PO.219	302352.988	2321589.089	85°5'55.341"
49	PO.220	302328.155	2321593.487	85°5'54.479"
50	PO.221	302322.127	2321587.932	85°5'54.308"
51	PO.222	302321.071	2321583.922	85°5'54.187"
52	PO.223	302315.790	2321584.940	85°5'54.055"
53	PO.224	302266.300	2321584.363	85°5'52.342"
54	PO.225	302222.469	2321586.990	85°5'50.824"
55	PO.226	302192.935	2321586.518	85°5'49.801"
56	PO.227	302176.241	2321584.972	85°5'49.224"
57	PO.228	302165.475	2321589.392	85°5'49.921"
58	PO.229	302207.116	2321447.628	85°5'50.349"
59	PO.230	302207.907	2321442.103	85°5'50.799"
60	PO.231	302214.251	2321440.301	85°5'50.599"
61	PO.232	302231.313	2321438.691	85°5'51.191"
62	PO.233	302226.877	2321379.124	85°5'51.062"
63	PO.234	302225.477	2321369.680	85°5'51.017"
64	PO.235	302227.980	2321348.534	85°5'51.137"
65	PO.236	302229.501	2321334.755	85°5'51.171"
66	PO.237	302229.884	2321306.938	85°5'51.196"
67	PO.238	302227.219	2321289.380	85°5'51.111"
68	PO.239	302226.702	2321265.946	85°5'51.102"
69	PO.240	302224.105	2321248.230	85°5'51.020"
70	PO.241	302209.730	2321246.966	85°5'50.523"
71	PO.242	302205.628	2321237.922	85°5'50.261"
72	PO.243	302202.439	2321244.770	85°5'50.210"
73	PO.244	302199.100	2321274.839	85°5'50.102"
74	PO.245	302190.715	2321414.817	85°5'49.795"
75	PO.246	302176.804	2321479.911	85°5'49.287"
76	PO.247	302168.959	2321517.800	85°5'49.000"
77	PO.248	302153.774	2321361.580	85°5'48.456"
78	PO.249	302136.480	2321469.687	85°5'47.907"
79	PO.250	302125.831	2321643.625	85°5'47.455"
80	PO.251	302108.067	2321693.650	85°5'46.819"
81	PO.252	302137.826	2320916.512	85°5'48.170"
82	PO.253	302158.102	2320985.838	85°5'48.843"
83	PO.254	302212.175	2320983.234	85°5'50.716"
84	PO.255	302240.112	2320982.439	85°5'51.083"
85	PO.256	302244.244	2320982.260	85°5'51.847"
86	PO.257	302248.880	2320981.736	85°5'52.014"
87	PO.258	302250.313	2320980.771	85°5'52.066"
88	PO.259	302231.545	2320980.175	85°5'51.420"
89	PO.260	302218.160	2320980.193	85°5'50.957"
90	PO.261	302182.487	2320894.365	85°5'49.725"
91	PO.262	302165.344	2320892.518	85°5'49.122"
92	PO.263	302174.191	2321044.691	85°5'49.455"
93	PO.264	302177.662	2321053.868	85°5'49.492"
94	PO.265	302178.640	2321065.975	85°5'49.521"
95	PO.266	302179.960	2321075.164	85°5'49.563"
96	PO.267	302180.891	2321077.432	85°5'49.594"
97	PO.268	302182.629	2321082.495	85°5'50.898"
98	PO.269	302182.485	2321102.043	85°5'50.885"
99	PO.270	302228.303	2321100.700	85°5'51.226"
100	PO.271	302229.107	2321096.150	85°5'51.255"
101	PO.272	302229.588	2321101.665	85°5'52.308"
102	PO.273	302228.323	2321104.033	85°5'52.956"
103	PO.274	302319.371	2321104.345	85°5'54.377"
104	PO.275	302345.848	2321106.319	85°5'55.292"
105	PO.276	302398.897	2321112.076	85°5'57.126"
106	PO.277	302397.903	2321115.498	85°5'57.185"
107	PO.278	302398.315	2321160.536	85°5'57.086"
108	PO.279	302414.663	2321167.258	85°5'57.649"
109	PO.280	302429.562	2321174.085	85°5'58.162"
110	PO.281	302449.403	2321174.047	85°5'58.849"
111	PO.282	302461.014	2321170.165	85°5'59.253"
112	PO.283	302480.297	2321167.876	85°5'59.921"
113	PO.284	302499.805	2321192.731	85°5'60.591"
114	PO.285	302494.849	2321154.636	85°5'60.430"
115	PO.286	302502.161	2321134.287	85°5'60.692"
116	PO.287	302510.038	2321111.441	85°5'60.974"
117	PO.288	302508.807	2321094.844	85°5'60.938"
118	PO.289	302491.860	2321056.573	85°5'60.367"
119	PO.290	302506.844	2321047.708	85°5'60.889"
120	PO.291	302488.997	2320972.722	85°5'59.599"
121	PO.292	302449.830	2320955.502	85°5'58.954"
122	PO.293	302418.771	2320955.699	85°5'57.878"
123	PO.294	302414.565	2320968.341	85°5'57.728"
124	PO.295	302412.305	2320977.891	85°5'57.645"
125	PO.296	302409.675	2321000.889	85°5'57.545"
126	PO.297	302408.639	2321018.331	85°5'57.502"
127	PO.298	302406.459	2321044.146	85°5'58.454"
128	PO.299	302429.147	2321046.125	85°5'58.200"
129	PO.300	302397.060	2321055.217	85°5'57.086"
130	PO.301	302375.515	2321060.091	85°5'56.338"

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT				
SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE

131	PO.302	302343.854	2321068.216	85°5'55.239"
132	PO.303	302325.433	2321073.428	85°5'54.599"
133	PO.304	302309.876	2321076.100	85°5'54.660"
134	PO.305	302279.605	2321078.077	85°5'53.011"
135	PO.306	302243.964	2321078.036	85°5'51.778"
136	PO.307	302232.866	2321077.325	85°5'51.393"
137	PO.308	302234.213	2321042.899	85°5'51.454"
138	PO.309	302210.229	2321044.362	85°5'50.623"
139	PO.310	302186.545	2321045.647	85°5'49.803"
140	PO.311	302141.968	2321080.407	85°5'49.059"
141	PO.312	302143.875	2321089.537	85°5'49.465"
142	PO.313	302146.820	2321092.828	85°5'49.593"
143	PO.314	302156.153	2321055.917	85°5

GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-NAKEIPASI (SHEET-1) TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	NAKEI-1	303983.889	220822.096	85°06'52.06617"	20°58'39.31215"
2	NAKEI-2	303828.097	220479.460	85°06'46.55977"	20°58'28.11424"
3	NAKEI-3	303679.977	220212.230	85°06'41.63137"	20°58'19.36751"
4	NAKEI-4	303271.148	220433.158	85°06'27.59754"	20°58'26.39509"
5	NAKEI-5	302719.573	220073.208	85°06'08.65305"	20°58'14.48057"
6	NAKEI-6	302768.566	2219476.748	85°06'10.59333"	20°57'55.10821"

SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	M-2	303223.673	220749.378	85°06'25.82471"	20°58'36.65737"
2	M-3	303227.126	220701.060	85°06'25.96406"	20°58'35.08784"
3	M-4	303640.378	220759.591	85°06'40.24472"	20°58'37.14961"
4	M-5	304259.520	220960.617	85°07'01.59438"	20°58'43.92224"
5	M-6	304248.606	220914.315	85°07'01.23546"	20°58'42.41276"
6	M-7	304265.717	220838.664	85°07'01.89322"	20°58'39.96023"
7	M-8	304033.486	220818.950	85°07'03.17399"	20°58'39.33336"
8	M-9	304247.712	220716.443	85°07'04.74665"	20°58'36.01269"
9	M-10	304354.533	220667.202	85°07'05.00279"	20°58'34.41947"
10	M-11	304360.162	220602.059	85°07'05.22415"	20°58'32.30375"
11	M-12	304341.725	220619.747	85°07'04.57874"	20°58'32.87176"
12	M-13	304248.027	220660.281	85°07'01.30670"	20°58'35.12903"
13	M-14	304195.529	220703.750	85°06'59.48399"	20°58'35.54684"
14	M-15	304134.801	220697.807	85°06'57.38440"	20°58'35.32590"
15	M-16	304033.560	220648.214	85°06'54.89382"	20°58'33.68848"
16	M-17	304001.977	220561.021	85°06'52.84242"	20°58'30.83250"
17	M-18	303982.936	220495.084	85°06'52.21022"	20°58'28.68154"
18	M-19	303976.664	220340.163	85°06'52.05632"	20°58'23.64251"
19	M-20	303949.012	220332.178	85°06'53.31845"	20°58'23.19740"
20	M-21	303501.758	220550.596	85°06'53.51866"	20°58'30.30172"
21	M-22	303472.497	220566.005	85°06'53.51275"	20°58'30.79146"
22	M-23	303300.280	220562.348	85°06'52.84242"	20°58'33.32332"
23	M-24	303214.387	220640.690	85°06'52.54783"	20°58'33.12026"
24	M-25	303128.452	220639.244	85°06'52.57380"	20°58'33.04020"
25	M-26	303019.521	220664.477	85°06'51.87290"	20°58'33.81850"
26	M-27	302904.492	220663.490	85°06'51.85259"	20°58'30.49115"
27	M-28	302852.572	220475.514	85°06'51.09154"	20°58'27.61100"
28	M-29	302822.314	220373.451	85°06'52.08606"	20°58'24.28122"
29	M-30	302815.460	220383.985	85°06'52.08929"	20°58'26.80527"
30	M-31	303035.585	220496.174	85°06'51.75987"	20°58'31.17419"
31	M-32	303065.862	220561.195	85°06'52.08120"	20°58'30.89044"
32	M-33	303082.154	220563.379	85°06'52.18332"	20°58'30.32113"
33	M-34	303086.783	220564.427	85°06'52.15536"	20°57'59.38294"
34	M-35	303077.502	220574.927	85°06'52.14623"	20°57'58.41904"
35	M-36	303039.271	220577.639	85°06'51.96283"	20°57'55.24142"
36	M-37	303036.121	220581.887	85°06'51.98440"	20°57'54.40298"
37	M-38	303036.701	220580.214	85°06'51.99382"	20°57'54.40298"
38	M-39	303052.918	220578.126	85°06'52.04794"	20°57'52.01143"
39	M-40	303149.282	220582.986	85°06'52.85104"	20°57'48.89041"

28	M-29	302822.314	220373.451	85°06'12.086666	20°58'24.281111
29	M-30	302815.460	220383.985	85°06'12.069259	20°58'24.805222
30	M-31	303035.545	221966.174	85°06'19.759077	20°58'01.174444
31	M-32	303065.862	221963.195	85°06'23.812100	20°58'00.490400
32	M-33	303082.154	221963.379	85°06'21.383352	20°58'00.321111
33	M-34	303066.783	221960.467	85°06'21.555356	20°57'59.382000
34	M-35	303077.802	221957.927	85°06'21.246233	20°57'58.941000
35	M-36	303039.721	221947.639	85°06'19.962833	20°57'55.241400
36	M-37	303036.121	221945.887	85°06'18.644533	20°57'54.402900
37	M-38	303036.701	221942.014	85°06'18.893582	20°57'54.659500
38	M-39	303052.918	221937.126	85°06'20.475904	20°57'52.011444
39	M-40	303149.282	221928.896	85°06'23.851044	20°57'48.904000

GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-NAKEIPASI (SHEET-2) TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

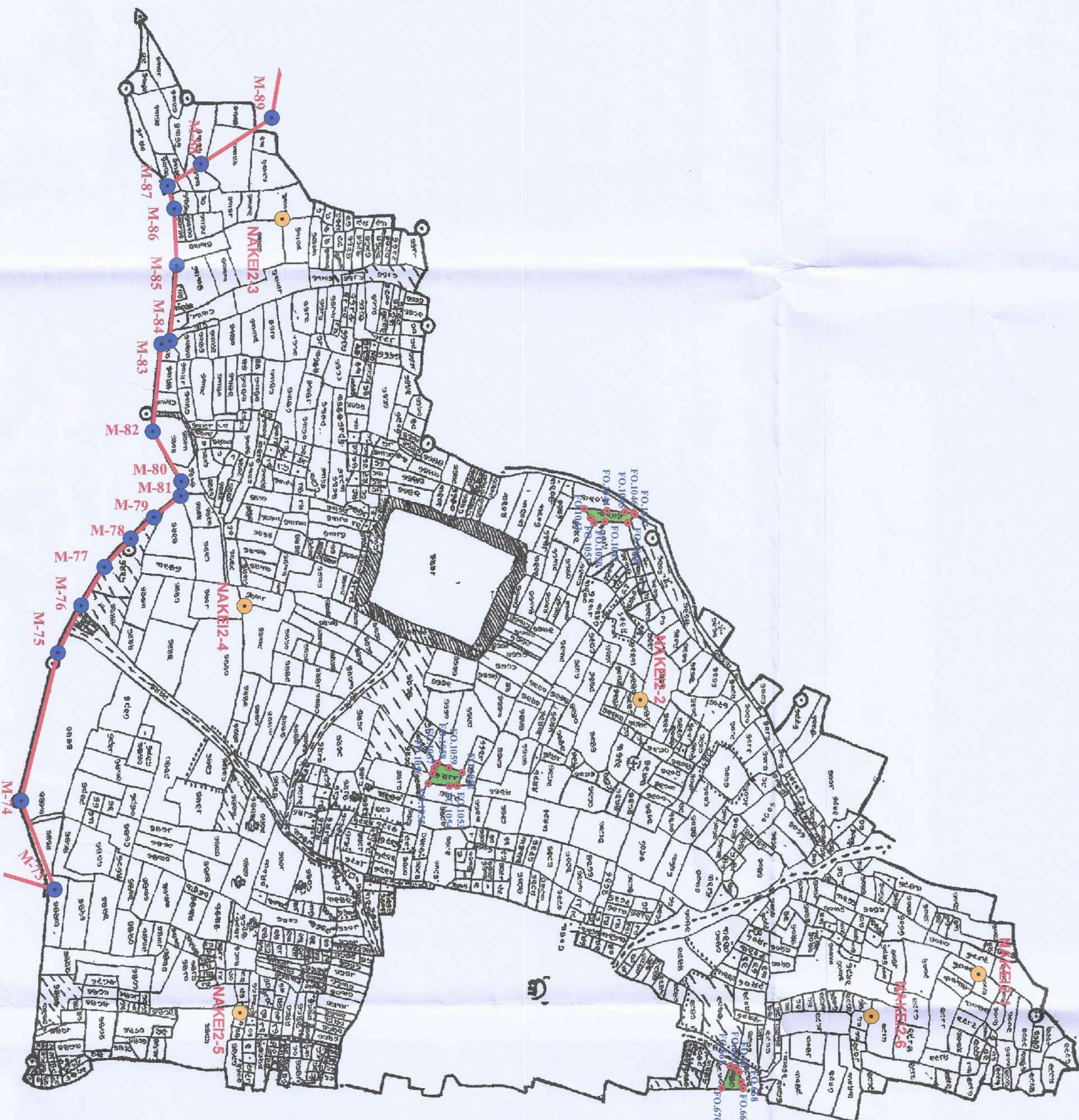
SCALE-1:3,960



DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT			
SL NO.	POINT ID	EASTING	NORTHING
1	NAKEID-1	302342.707	2320086.735
2	NAKEID-2	302040.861	2319714.862
3	NAKEID-3	301510.317	2319320.456
4	NAKEID-4	301937.576	2319279.181
5	NAKEID-5	302386.178	2319274.683
6	NAKEID-6	302389.582	2319969.780

DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS			
SL NO.	POINT ID	EASTING	NORTHING
1	M-73	302250.364	2319070.657
2	M-74	302152.325	2319034.224
3	M-75	301989.708	2319074.265
4	M-76	301937.243	2319100.122
5	M-77	301894.852	2319125.250
6	M-78	301863.473	2319154.281
7	M-79	301840.221	2319179.924
8	M-80	301816.328	2319208.863
9	M-81	301800.575	2319209.865
10	M-82	301745.466	2319178.103
11	M-83	301648.566	2319187.771
12	M-84	301645.586	2319196.868
13	M-85	301561.850	2319204.475
14	M-86	301498.588	2319202.062
15	M-87	301473.549	2319194.230
16	M-88	301449.983	2319231.307
17	M-89	301399.082	2319308.765

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT			
SL NO.	POINT ID	EASTING	NORTHING
1	FO.665	302445.213	2319813.636
2	FO.666	302447.556	2319820.299
3	FO.667	302452.286	2319823.060
4	FO.668	302463.141	2319825.764
5	FO.669	302470.023	2319828.338
6	FO.670	302469.736	2319804.861
7	FO.1043	301830.815	2319653.043
8	FO.1044	301832.278	2319677.945
9	FO.1045	301834.174	2319696.953
10	FO.1046	301834.340	2319706.498
11	FO.1047	301836.527	2319708.417
12	FO.1048	301846.204	2319700.656
13	FO.1049	301844.461	2319675.535
14	FO.1050	301845.682	2319663.965
15	FO.1051	301840.805	2319659.422
16	FO.1052	302121.741	2319518.854
17	FO.1053	302136.574	2319513.353
18	FO.1054	302136.163	2319504.691
19	FO.1055	302133.834	2319481.061
20	FO.1056	302122.655	2319485.846
21	FO.1057	302116.597	2319488.141
22	FO.1058	302111.581	2319492.117
23	FO.1059	302115.855	2319504.197



AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION				
SL NO.	VILLAGE	PLOT NO.	KISAM	ALLOTTED AREA (Acre)
1		1960/3157	GRAMYA JUNGLE	0.120
2	Nakeipasi (sheet-2)	2241/3106	GRAMYA JUNGLE	0.150
3		2488	GRAMYA JUNGLE	0.170
TOTAL AREA				0.440



LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

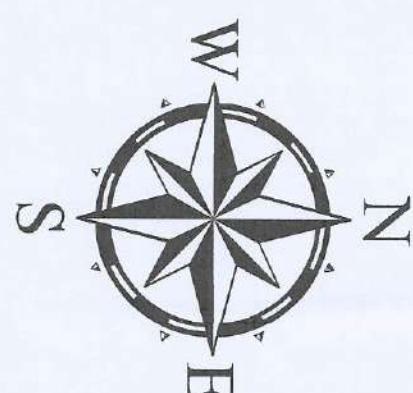
DGPS Survey Conducted and Map Prepared by :-

Suvadra Consultants

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GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-DANRA TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960

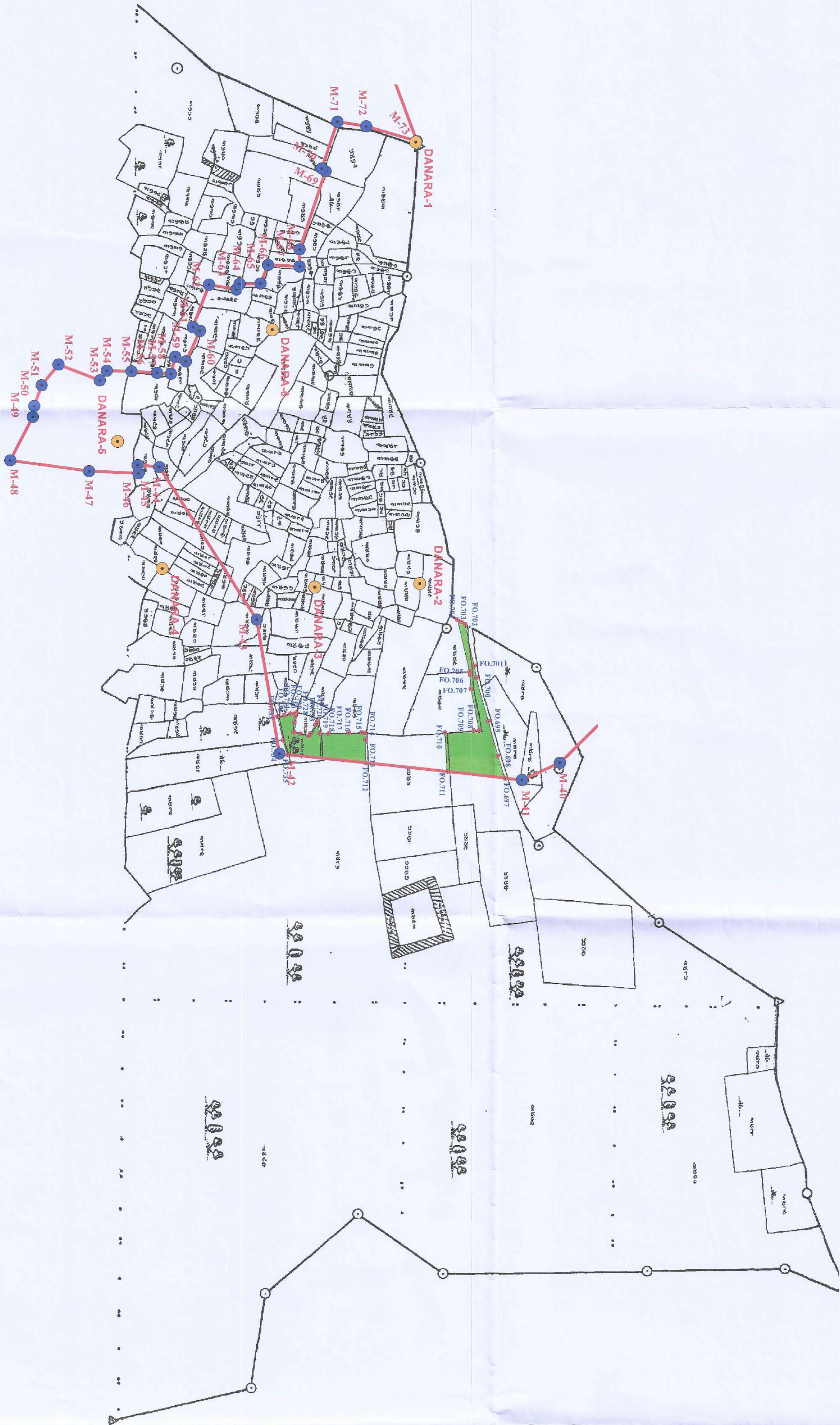


DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT			
SL.NO.	POINT ID	EASTING	NORTHING
1	DANARA-1	302321.456	2310069.555
2	DANARA-2	302890.748	2318976.013
3	DANARA-3	302895.603	2318976.486
4	DANARA-4	302869.674	2318706.088
5	DANARA-5	302686.141	2318640.806
6	DANARA-6	302523.390	2318863.332

DGPS OBSERVATION CO-ORDINATES OF M.L PILLARS			
SL.NO.	POINT ID	EASTING	NORTHING
1	M-40	303149.282	2319280.986
2	M-41	303174.510	2319227.116
3	M-42	303137.204	2318876.013
4	M-43	302943.347	2318843.096
5	M-44	302722.865	2318701.123
6	M-45	302720.488	2318669.534
7	M-46	302732.642	2318671.388
8	M-47	302729.334	2318599.950
9	M-48	302714.121	2318485.848
10	M-49	302651.282	2318518.260
11	M-50	302653.228	2318519.974
12	M-51	302804.318	2318531.158
13	M-52	302574.222	2318534.971
14	M-53	302596.721	2318615.106
15	M-54	302582.962	2318625.160
16	M-55	302583.327	2318660.218
17	M-56	302585.780	2318697.590
18	M-57	302586.477	2318717.672
19	M-58	302582.029	2318722.387
20	M-59	302586.558	2318738.786
21	M-60	302524.882	2318759.265
22	M-61	302519.802	2318748.946
23	M-62	302458.638	2318771.622
24	M-63	302465.509	2318811.494
25	M-64	302457.496	2318815.928
26	M-65	302456.778	2318846.101
27	M-66	302430.078	2318856.618
28	M-67	302431.600	2318902.705
29	M-68	302407.406	2318902.458
30	M-69	302295.741	2318939.447
31	M-70	302289.614	2318933.800
32	M-71	302221.805	2318955.890
33	M-72	302228.648	2318997.693
34	M-73	302250.564	2319070.657

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT

SL.NO.	POINT ID	EASTING	NORTHING
1	FO.697	303171.899	2319202.545
2	FO.698	303139.215	2319192.305
3	FO.699	303089.784	2319178.089
4	FO.700	303026.617	2319160.580
5	FO.701	303009.046	2319157.591
6	FO.702	302940.655	2319143.569
7	FO.703	302945.971	2319138.607
8	FO.704	302942.579	2319132.555
9	FO.705	303017.059	2319150.504
10	FO.706	303022.915	2319151.106
11	FO.707	303043.476	2319152.778
12	FO.708	303103.219	2319164.417
13	FO.709	303103.356	2319156.419
14	FO.710	303106.526	2319114.988
15	FO.711	303165.000	2319118.792
16	FO.712	303150.570	2319001.809
17	FO.713	303117.316	2319000.068
18	FO.714	303106.938	2318999.905
19	FO.715	303106.451	2318994.978
20	FO.716	303106.743	2318975.959
21	FO.717	303107.881	2318947.502
22	FO.718	303107.686	2318934.461
23	FO.719	303090.463	2318931.281
24	FO.720	303095.827	2318927.621
25	FO.721	303107.521	2318921.469
26	FO.722	303111.027	2318919.121
27	FO.723	303111.607	2318917.764
28	FO.724	303108.242	2318906.748
29	FO.725	303106.241	2318897.426
30	FO.726	303105.648	2318896.143
31	FO.727	303092.562	2318897.541
32	FO.728	303083.842	2318892.352
33	FO.729	303078.494	2318891.418
34	FO.730	303078.204	2318893.744
35	FO.731	303079.671	2318892.653
36	FO.732	303081.966	2318885.006
37	FO.733	303083.697	2318873.602
38	FO.734	303117.795	2318881.671
39	FO.735	303138.461	2318887.847



AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION				
SL. NO.	VILLAGE	PLOT NO.	KISAM	MAP AREA
1	Danra (P)	3465	JUNGLE-2	0.250
2		3482	JUNGLE-2	0.081
3		3486	JUNGLE-2	0.619
		TOTAL AREA		2.280



LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

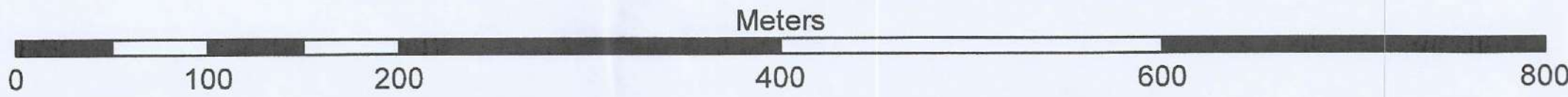
DGPS Survey Conducted and Map Prepared by :-



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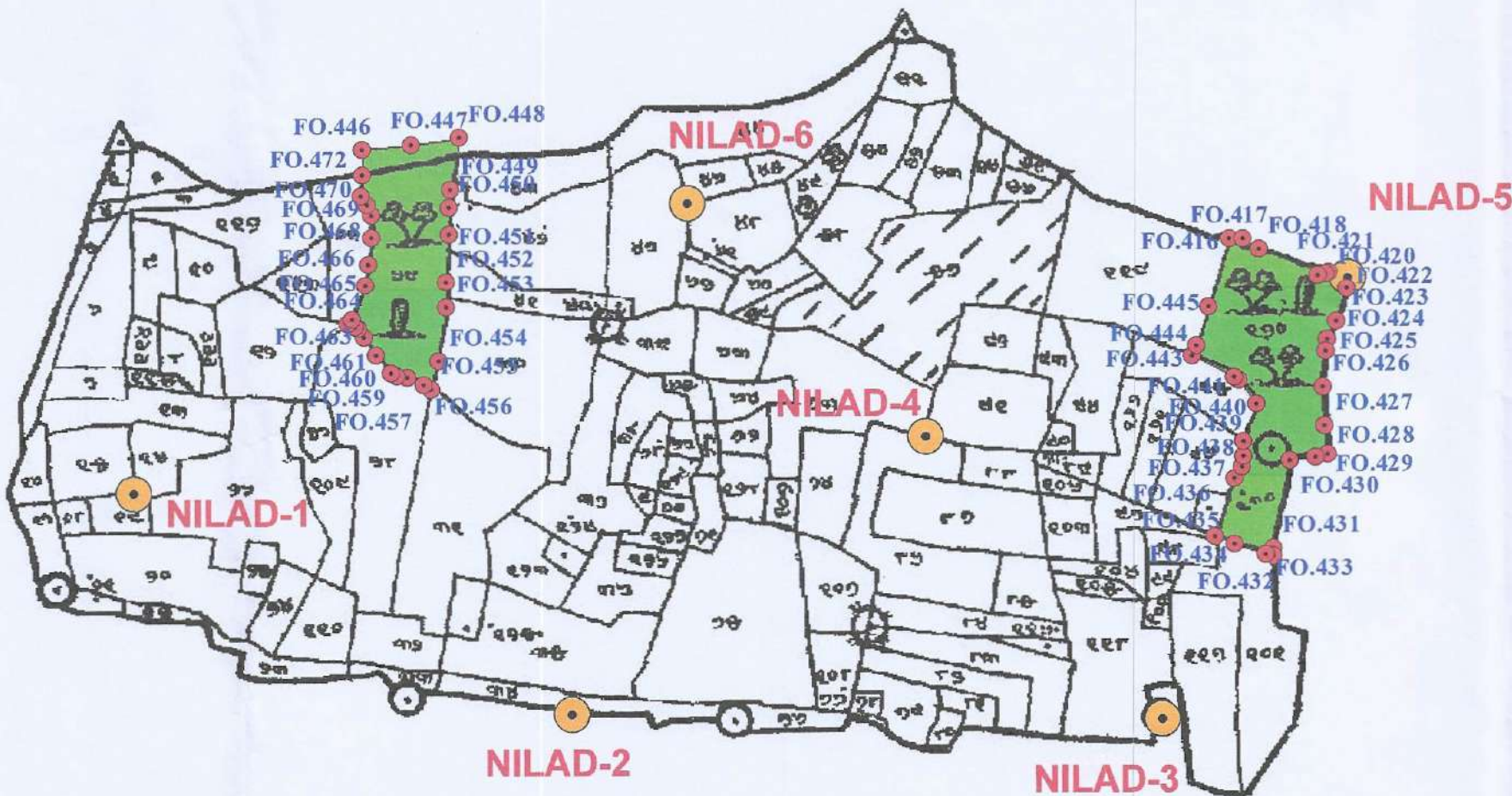
GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-NILADRIPUR TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	NILAD-1	301794.629	2320597.970	85°05'36.42141"	20°58'31.18337"
2	NILAD-2	301991.254	2320497.786	85°05'43.26867"	20°58'28.00250"
3	NILAD-3	302255.838	2320495.140	85°05'52.42807"	20°58'28.01880"
4	NILAD-4	302150.004	2320622.802	85°05'48.71218"	20°58'32.12822"
5	NILAD-5	302338.983	2320693.512	85°05'55.22447"	20°58'34.50008"
6	NILAD-6	302043.072	2320727.643	85°05'44.96764"	20°58'35.49529"

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	FO.416	302285.849	2320711.590	E85° 5' 53.378"	N20° 58' 35.067"
2	FO.417	302291.819	2320711.926	E85° 5' 53.584"	N20° 58' 35.081"
3	FO.418	302299.396	2320707.294	E85° 5' 53.849"	N20° 58' 34.933"
4	FO.419	302330.410	2320696.547	E85° 5' 54.926"	N20° 58' 34.595"
5	FO.420	302328.911	2320695.934	E85° 5' 54.875"	N20° 58' 34.575"
6	FO.421	302325.942	2320694.719	E85° 5' 54.773"	N20° 58' 34.534"
7	FO.422	302338.139	2320688.658	E85° 5' 55.197"	N20° 58' 34.342"
8	FO.423	302333.558	2320674.412	E85° 5' 55.045"	N20° 58' 33.877"
9	FO.424	302329.935	2320666.082	E85° 5' 54.923"	N20° 58' 33.605"
10	FO.425	302328.720	2320660.907	E85° 5' 54.883"	N20° 58' 33.436"
11	FO.426	302327.434	2320644.703	E85° 5' 54.845"	N20° 58' 32.909"
12	FO.427	302328.630	2320627.160	E85° 5' 54.893"	N20° 58' 32.339"
13	FO.428	302329.513	2320614.486	E85° 5' 54.929"	N20° 58' 31.927"
14	FO.429	302324.559	2320613.430	E85° 5' 54.758"	N20° 58' 31.891"
15	FO.430	302312.994	2320611.736	E85° 5' 54.359"	N20° 58' 31.831"
16	FO.431	302305.257	2320571.988	E85° 5' 54.107"	N20° 58' 30.536"
17	FO.432	302305.247	2320568.936	E85° 5' 54.108"	N20° 58' 30.437"
18	FO.433	302301.916	2320569.957	E85° 5' 53.992"	N20° 58' 30.469"
19	FO.434	302288.397	2320574.100	E85° 5' 53.523"	N20° 58' 30.598"
20	FO.435	302279.590	2320577.864	E85° 5' 53.216"	N20° 58' 30.717"
21	FO.436	302287.836	2320603.642	E85° 5' 53.491"	N20° 58' 31.559"
22	FO.437	302291.211	2320609.430	E85° 5' 53.605"	N20° 58' 31.748"
23	FO.438	302292.334	2320613.885	E85° 5' 53.643"	N20° 58' 31.893"
24	FO.439	302291.808	2320620.321	E85° 5' 53.622"	N20° 58' 32.102"
25	FO.440	302298.420	2320637.350	E85° 5' 53.844"	N20° 58' 32.659"
26	FO.441	302290.068	2320647.773	E85° 5' 53.550"	N20° 58' 32.994"
27	FO.442	302287.894	2320649.496	E85° 5' 53.474"	N20° 58' 33.049"
28	FO.443	302269.128	2320658.534	E85° 5' 52.821"	N20° 58' 33.336"
29	FO.444	302271.361	2320663.169	E85° 5' 52.896"	N20° 58' 33.487"
30	FO.445	302276.444	2320680.924	E85° 5' 53.065"	N20° 58' 34.067"
31	FO.446	301897.171	2320752.546	E85° 5' 39.907"	N20° 58' 36.248"
32	FO.447	301919.624	2320755.031	E85° 5' 40.683"	N20° 58' 36.338"
33	FO.448	301940.688	2320757.858	E85° 5' 41.411"	N20° 58' 36.438"
34	FO.449	301936.835	2320734.717	E85° 5' 41.287"	N20° 58' 35.684"
35	FO.450	301936.096	2320726.422	E85° 5' 41.265"	N20° 58' 35.414"
36	FO.451	301935.974	2320714.648	E85° 5' 41.266"	N20° 58' 35.031"
37	FO.452	301934.849	2320693.056	E85° 5' 41.236"	N20° 58' 34.329"
38	FO.453	301935.059	2320681.885	E85° 5' 41.248"	N20° 58' 33.966"
39	FO.454	301931.443	2320657.542	E85° 5' 41.133"	N20° 58' 33.173"
40	FO.455	301928.044	2320644.819	E85° 5' 41.020"	N20° 58' 32.758"
41	FO.456	301924.992	2320647.067	E85° 5' 40.914"	N20° 58' 32.830"
42	FO.457	301917.589	2320649.944	E85° 5' 40.656"	N20° 58' 32.921"
43	FO.458	301912.323	2320651.096	E85° 5' 40.473"	N20° 58' 32.956"
44	FO.459	301910.065	2320652.438	E85° 5' 40.395"	N20° 58' 32.999"
45	FO.460	301902.961	2320660.232	E85° 5' 40.146"	N20° 58' 33.249"
46	FO.461	301897.534	2320668.343	E85° 5' 39.954"	N20° 58' 33.511"
47	FO.462	301895.153	2320672.087	E85° 5' 39.870"	N20° 58' 33.632"
48	FO.463	301894.017	2320672.885	E85° 5' 39.831"	N20° 58' 33.657"
49	FO.464	301890.546	2320673.904	E85° 5' 39.710"	N20° 58' 33.689"
50	FO.465	301892.495	2320675.993	E85° 5' 39.777"	N20° 58' 33.758"
51	FO.466	301898.434	2320691.564	E85° 5' 39.976"	N20° 58' 34.266"
52	FO.467	301900.133	2320701.002	E85° 5' 40.031"	N20° 58' 34.574"
53	FO.468	301901.497	2320713.206	E85° 5' 40.073"	N20° 58' 34.971"
54	FO.469	301901.089	2320723.121	E85° 5' 40.055"	N20° 58' 35.293"
55	FO.470	301899.036	2320727.906	E85° 5' 39.982"	N20° 58' 35.448"
56	FO.471	301896.568	2320732.067	E85° 5' 39.895"	N20° 58' 35.582"
57	FO.472	301896.848	2320741.498	E85° 5' 39.900"	N20° 58' 35.889"



AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION						
SL NO.	VILLAGE	PLOT NO.	KISAM	ALLOTED AREA (Acre)	ALLOTED AREA (Hectare)	MAP AREA (Hectare)
1	Niladripur	29	JUNGLE-2	0.840	0.340	0.382
2		57/120	GRAMYA JUNGLE	1.200	0.486	0.525
		TOTAL AREA		2.040	0.826	0.907

LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

DGPS Survey Conducted and Map Prepared by :-



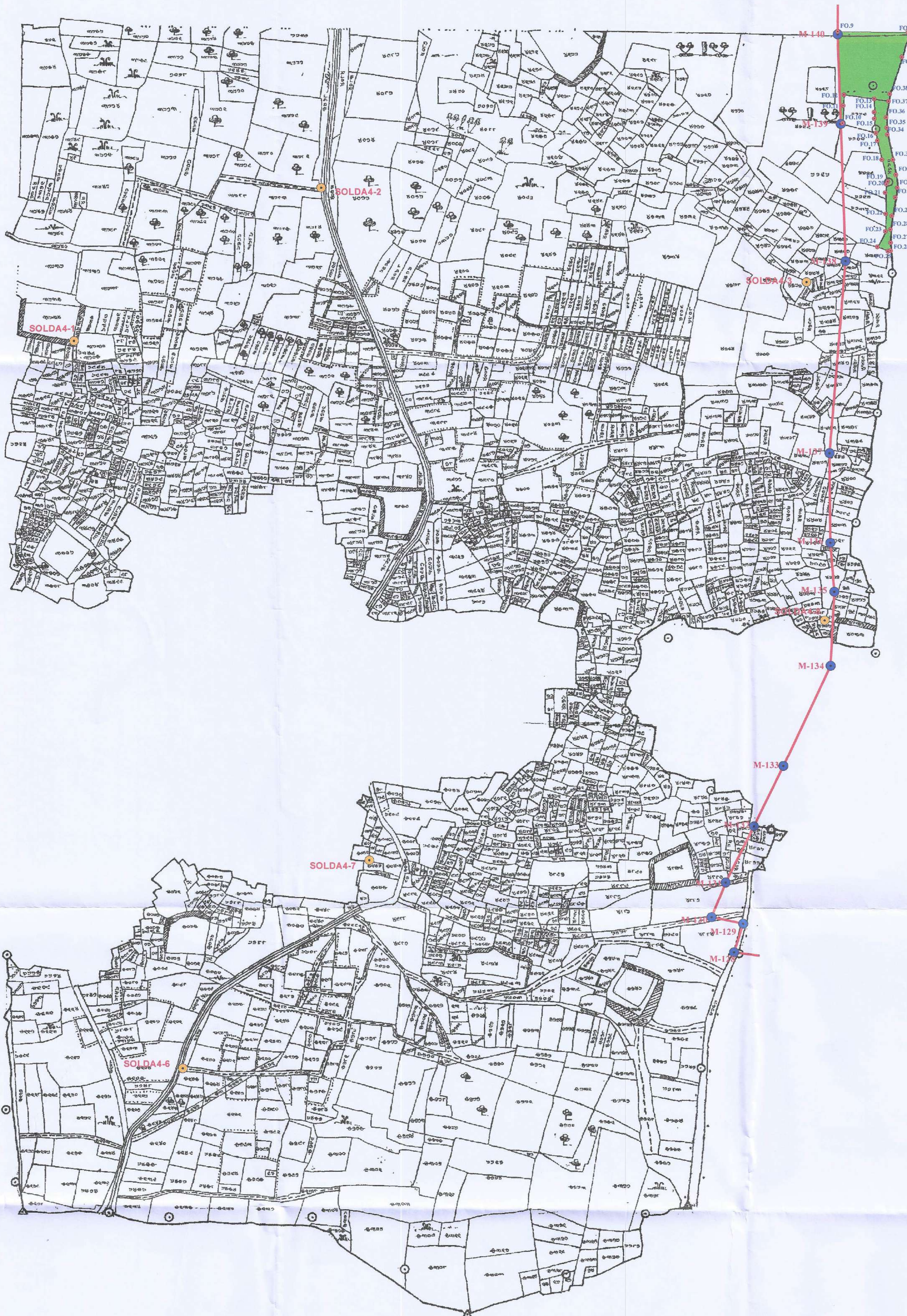
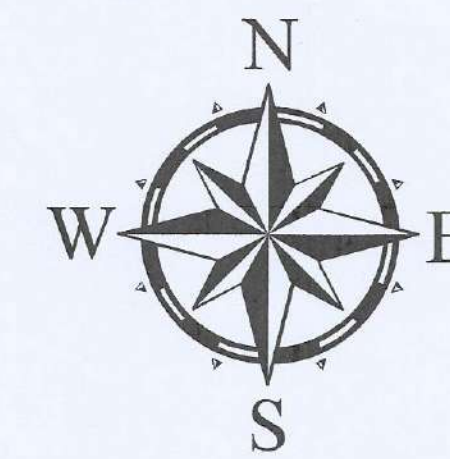
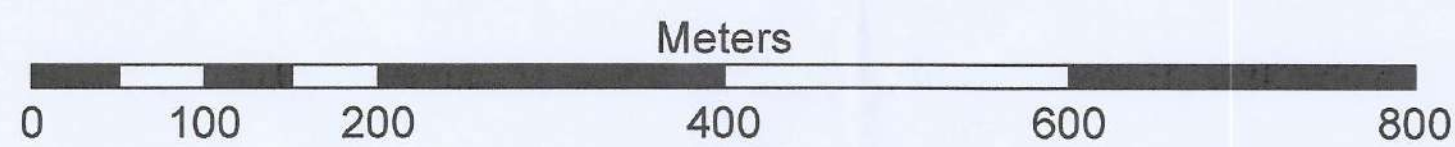
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GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-SOLADA TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT

SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	SOLDA4-1	299475.402	2320978.962	85°04'15.98495"	20°58'42.66569"
2	SOLDA4-2	299913.156	2321252.013	85°04'31.02385"	20°58'51.71396"
3	SOLDA4-3	300774.377	2321086.912	85°05'00.90362"	20°58'46.68270"
4	SOLDA4-6	299672.058	2319683.445	85°04'23.33209"	20°58'00.62553"
5	SOLDA4-7	300002.127	2320055.185	85°04'34.60170"	20°58'12.83989"
6	SOLDA4-8	300809.047	2320484.302	85°05'02.35354"	20°58'27.10524"

DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS

SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	M-128	300649.549	2319892.641	85°04'57.07812"	20°58'07.80816"
2	M-129	300665.275	2319943.324	85°04'57.60145"	20°58'09.46200"
3	M-130	300608.847	2319955.175	85°04'55.64341"	20°58'09.82531"
4	M-131	300633.709	2320017.111	85°04'56.47825"	20°58'11.84851"
5	M-132	300683.978	2320117.177	85°04'58.17670"	20°58'15.12127"
6	M-133	300736.422	2320224.339	85°04'59.94754"	20°58'18.62555"
7	M-134	300819.852	2320403.629	85°05'02.76101"	20°58'24.48674"
8	M-135	300825.797	2320535.730	85°05'02.91199"	20°58'28.78370"
9	M-136	300818.480	2320622.934	85°05'02.62259"	20°58'31.61586"
10	M-137	300816.472	2320782.345	85°05'02.48701"	20°58'36.79756"
11	M-138	300843.491	2321124.156	85°05'03.28056"	20°58'47.92040"
12	M-139	300833.866	2321367.468	85°05'02.84651"	20°58'55.82680"
13	M-140	300827.724	2321527.197	85°05'02.56769"	20°59'01.01717"

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT

SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	FO.8	300952.617	2321531.243	E85° 5' 6.889"	N20° 59' 1.197"
2	FO.9	300827.730	2321532.035	E85° 5' 2.566"	N20° 59' 1.174"
3	FO.10	300836.794	2321369.190	E85° 5' 2.947"	N20° 58' 55.884"
4	FO.11	300838.075	2321400.910	E85° 5' 2.978"	N20° 58' 56.916"
5	FO.12	300838.899	2321420.184	E85° 5' 2.999"	N20° 58' 57.543"
6	FO.13	300892.581	2321412.427	E85° 5' 4.860"	N20° 58' 57.311"
7	FO.14	300892.823	2321388.959	E85° 5' 4.878"	N20° 58' 56.548"
8	FO.15	300893.555	2321377.513	E85° 5' 4.909"	N20° 58' 56.177"
9	FO.16	300896.062	2321352.005	E85° 5' 5.006"	N20° 58' 55.348"
10	FO.17	300898.912	2321338.485	E85° 5' 5.110"	N20° 58' 54.910"
11	FO.18	300907.184	2321304.953	E85° 5' 5.410"	N20° 58' 53.823"
12	FO.19	300917.370	2321266.060	E85° 5' 5.779"	N20° 58' 52.562"
13	FO.20	300914.989	2321261.297	E85° 5' 5.699"	N20° 58' 52.407"
14	FO.21	300912.608	2321245.422	E85° 5' 5.623"	N20° 58' 51.890"
15	FO.22	300914.053	2321208.001	E85° 5' 5.688"	N20° 58' 50.674"
16	FO.23	300913.666	2321177.424	E85° 5' 5.688"	N20° 58' 49.679"
17	FO.24	300899.696	2321149.696	E85° 5' 5.216"	N20° 58' 48.773"
18	FO.25	300918.323	2321142.711	E85° 5' 5.863"	N20° 58' 48.553"
19	FO.26	300922.847	2321143.346	E85° 5' 6.020"	N20° 58' 48.575"
20	FO.27	300922.745	2321157.527	E85° 5' 6.010"	N20° 58' 49.036"
21	FO.28	300922.579	2321180.568	E85° 5' 5.995"	N20° 58' 49.785"
22	FO.29	300925.268	2321204.618	E85° 5' 6.078"	N20° 58' 50.568"
23	FO.30	300931.286	2321238.033	E85° 5' 6.272"	N20° 58' 51.657"
24	FO.31	300934.268	2321254.594	E85° 5' 6.369"	N20° 58' 52.196"
25	FO.32	300931.861	2321277.957	E85° 5' 6.276"	N20° 58' 52.955"
26	FO.33	300926.040	2321304.829	E85° 5' 6.063"	N20° 58' 53.826"
27	FO.34	300916.409	2321349.289	E85° 5' 5.711"	N20° 58' 55.268"
28	FO.35	300915.699	2321360.808	E85° 5' 5.682"	N20° 58' 55.642"
29	FO.36	300914.504	2321380.192	E85° 5' 5.633"	N20° 58' 56.272"
30	FO.37	300917.944	2321408.939	E85° 5' 5.740"	N20° 58' 57.208"
31	FO.38	300920.589	2321421.176	E85° 5' 5.826"	N20° 58' 57.607"
32	FO.39	300942.019	2321487.001	E85° 5' 6.541"	N20° 58' 59.755"

AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION

SL NO.	VILLAGE	PLOT NO.	KISAM	ALLOTED AREA (Acre)	ALLOTED AREA (Hectare)	MAP AREA (Hectare)
1	Solada	4219 (P)	JUNGLE-2	1.250	0.506	1.279
2		4260	JUNGLE-2	1.070	0.433	0.477
TOTAL AREA				2.320	0.939	1.756

LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

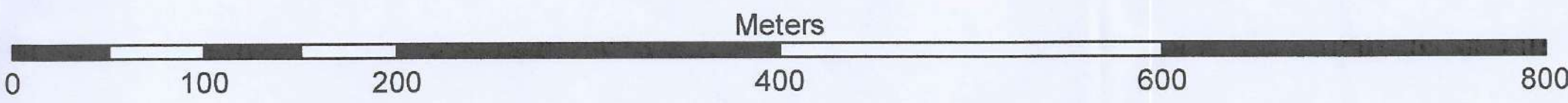
DGPS Survey Conducted and Map Prepared by :-

Suvadra Consultants
(An ISO 9001 :2015 Certified and Approved by Govt. of India & Govt. of Odisha)

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GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-SATYABADIPUR TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

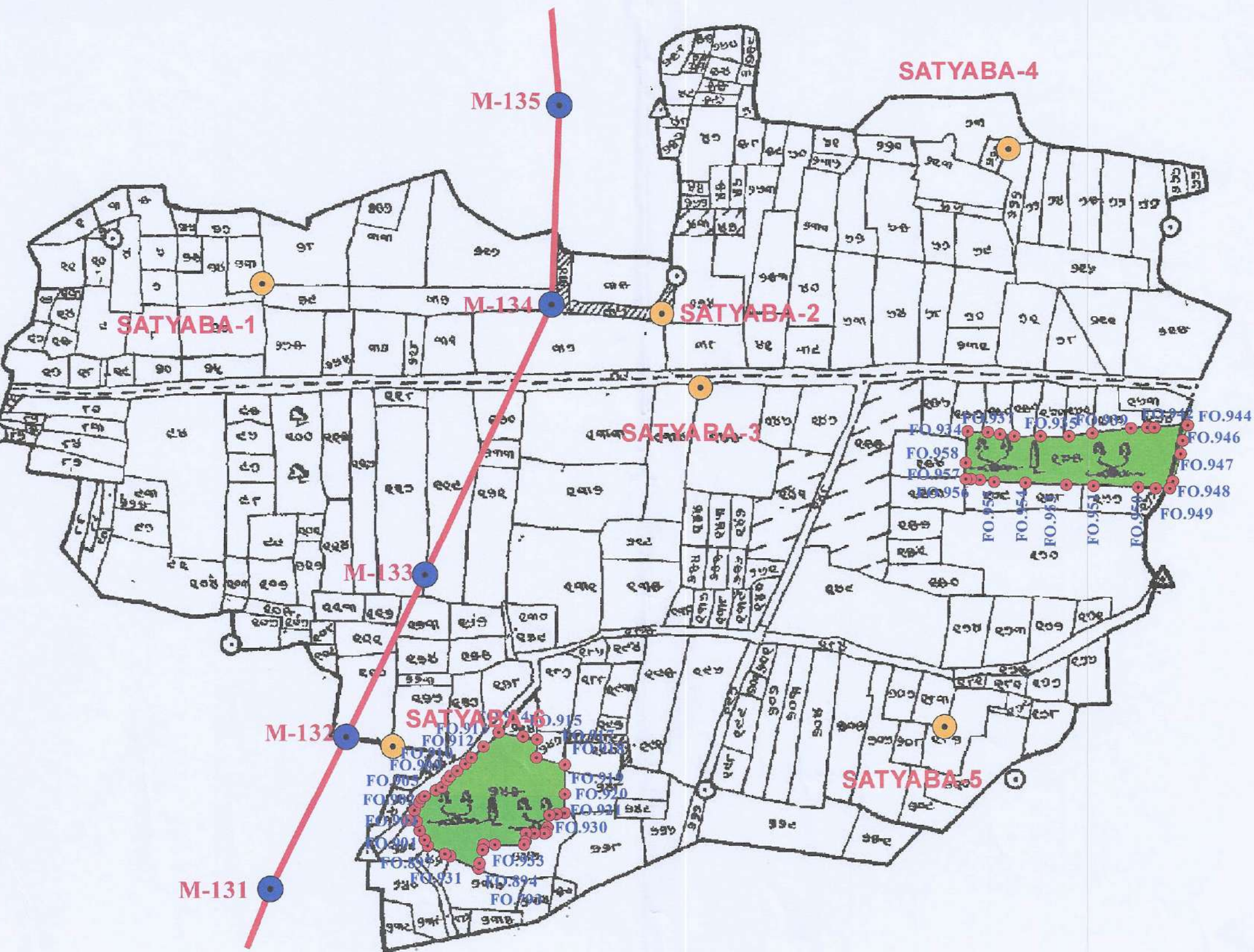
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DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	SATYABA-1	300629.251	2320417.333	85°04'56.15793"	20°58'24.85806"
2	SATYABA-2	300893.306	2320396.695	85°05'05.30634"	20°58'24.28994"
3	SATYABA-3	300918.706	2320348.012	85°05'06.20570"	20°58'22.71712"
4	SATYABA-4	301122.964	2320505.704	85°05'13.21054"	20°58'27.92315"
5	SATYABA-5	301079.573	2320122.586	85°05'11.86715"	20°58'15.45105"
6	SATYABA-6	300714.888	2320110.680	85°04'59.24927"	20°58'14.92209"

DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	M-131	300633.709	2320017.111	85°04'56.47825"	20°58'11.84851"
2	M-132	300683.978	2320117.177	85°04'58.17670"	20°58'15.12127"
3	M-133	300736.422	2320224.339	85°04'59.94754"	20°58'18.62555"
4	M-134	300819.852	2320403.629	85°05'02.76101"	20°58'24.48674"
5	M-135	300825.797	2320535.730	85°05'02.91199"	20°58'28.78370"

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	FO.894	300771.125	2320029.872	E85° 5' 1.229"	N20° 58' 12.317"
2	FO.895	300752.104	2320037.872	E85° 5' 0.568"	N20° 58' 12.570"
3	FO.896	300749.150	2320039.505	E85° 5' 0.465"	N20° 58' 12.622"
4	FO.897	300737.509	2320044.680	E85° 5' 0.060"	N20° 58' 12.785"
5	FO.898	300735.754	2320048.979	E85° 5' 0.000"	N20° 58' 12.924"
6	FO.899	300732.623	2320055.009	E85° 4' 59.886"	N20° 58' 13.119"
7	FO.900	300729.985	2320060.549	E85° 4' 59.793"	N20° 58' 13.298"
8	FO.901	300725.032	2320061.186	E85° 4' 59.621"	N20° 58' 13.317"
9	FO.902	300728.731	2320068.213	E85° 4' 59.746"	N20° 58' 13.547"
10	FO.903	300732.034	2320073.509	E85° 4' 59.858"	N20° 58' 13.720"
11	FO.904	300733.320	2320076.103	E85° 4' 59.902"	N20° 58' 13.805"
12	FO.905	300735.825	2320077.717	E85° 4' 59.988"	N20° 58' 13.859"
13	FO.906	300743.179	2320081.328	E85° 5' 0.241"	N20° 58' 13.979"
14	FO.907	300746.746	2320083.632	E85° 5' 0.363"	N20° 58' 14.055"
15	FO.908	300750.703	2320088.203	E85° 5' 0.498"	N20° 58' 14.205"
16	FO.909	300752.523	2320090.813	E85° 5' 0.560"	N20° 58' 14.291"
17	FO.910	300757.062	2320094.547	E85° 5' 0.716"	N20° 58' 14.414"
18	FO.911	300762.605	2320098.874	E85° 5' 0.906"	N20° 58' 14.557"
19	FO.912	300766.528	2320102.724	E85° 5' 1.040"	N20° 58' 14.684"
20	FO.913	300774.758	2320110.266	E85° 5' 1.322"	N20° 58' 14.932"
21	FO.914	300784.798	2320119.830	E85° 5' 1.665"	N20° 58' 15.247"
22	FO.915	300800.742	2320116.944	E85° 5' 2.218"	N20° 58' 15.159"
23	FO.916	300810.124	2320115.253	E85° 5' 2.544"	N20° 58' 15.108"
24	FO.917	300809.610	2320103.333	E85° 5' 2.531"	N20° 58' 14.720"
25	FO.918	300828.456	2320098.398	E85° 5' 3.185"	N20° 58' 14.567"
26	FO.919	300828.220	2320079.041	E85° 5' 3.185"	N20° 58' 13.938"
27	FO.920	300827.966	2320065.971	E85° 5' 3.182"	N20° 58' 13.513"
28	FO.921	300822.566	2320065.578	E85° 5' 2.995"	N20° 58' 13.498"
29	FO.922	300818.132	2320064.771	E85° 5' 2.842"	N20° 58' 13.470"
30	FO.923	300817.065	2320056.646	E85° 5' 2.808"	N20° 58' 13.205"
31	FO.924	300816.464	2320053.692	E85° 5' 2.789"	N20° 58' 13.109"
32	FO.925	300814.953	2320052.705	E85° 5' 2.737"	N20° 58' 13.076"
33	FO.926	300808.294	2320052.725	E85° 5' 2.506"	N20° 58' 13.074"
34	FO.927	300802.817	2320052.601	E85° 5' 2.317"	N20° 58' 13.068"
35	FO.928	300802.194	2320047.582	E85° 5' 2.297"	N20° 58' 12.905"
36	FO.929	300801.303	2320045.299	E85° 5' 2.267"	N20° 58' 12.830"
37	FO.930	300782.057	2320045.391	E85° 5' 1.601"	N20° 58' 12.826"
38	FO.931	300774.484	2320045.258	E85° 5' 1.339"	N20° 58' 12.818"
39	FO.932	300774.138	2320042.110	E85° 5' 1.329"	N20° 58' 12.716"
40	FO.933	300772.127	2320033.437	E85° 5' 1.262"	N20° 58' 12.433"
41	FO.934	301095.128	2320318.104	E85° 5' 12.325"	N20° 58' 21.813"
42	FO.935	301108.819	2320317.445	E85° 5' 12.799"	N20° 58' 21.797"
43	FO.936	301116.831	2320316.047	E85° 5' 13.077"	N20° 58' 21.755"
44	FO.937	301126.113	2320315.002	E85° 5' 13.398"	N20° 58' 21.725"
45	FO.938	301143.486	2320314.619	E85° 5' 14.000"	N20° 58' 21.719"
46	FO.939	301162.155	2320314.634	E85° 5' 14.646"	N20° 58' 21.727"
47	FO.940	301177.889	2320316.948	E85° 5' 15.190"	N20° 58' 21.808"
48	FO.941	301203.368	2320320.029	E85° 5' 16.070"	N20° 58' 21.918"
49	FO.942	301213.798	2320321.051	E85° 5' 16.431"	N20° 58' 21.955"
50	FO.943	301218.577	2320321.211	E85° 5' 16.596"	N20° 58' 21.962"
51	FO.944	301240.589	2320322.491	E85° 5' 17.358"	N20° 58' 22.013"
52	FO.945	301237.327	2320312.241	E85° 5' 17.249"	N20° 58' 21.678"
53	FO.946	301235.828	2320303.209	E85° 5' 17.201"	N20° 58' 21.384"
54	FO.947	301230.899	2320285.670	E85° 5' 17.038"	N20° 58' 20.812"
55	FO.948	301228.741	2320280.420	E85° 5' 16.965"	N20° 58' 20.640"
56	FO.949	301219.460	2320280.564	E85° 5' 16.644"	N20° 58' 20.641"
57	FO.950	301208.139	2320281.205	E85° 5' 16.252"	N20° 58' 20.658"
58	FO.951	301178.295	2320282.357	E85° 5' 15.218"	N20° 58' 20.684"
59	FO.952	301160.082	2320282.915	E85° 5' 14.588"	N20° 58' 20.695"
60	FO.953	301133.524	2320283.896	E85° 5' 13.668"	N20° 58' 20.716"
61	FO.954	301112.305	2320285.063	E85° 5' 12.933"	N20° 58' 20.746"
62	FO.955	301103.255	2320285.785	E85° 5' 12.619"	N20° 58' 20.766"
63	FO.956	301097.120	2320286.601	E85° 5' 12.407"	N20° 58' 20.790"
64	FO.957	301093.565	2320286.504	E85° 5' 12.284"	N20° 58' 20.785"
65	FO.958	301094.045	2320297.814	E85° 5' 12.296"	N20° 58' 21.153"



AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION

SL NO.	VILLAGE	PLOT NO.	KISAM	ALLOTED AREA (Acre)	ALLOTED AREA (Hectare)	MAP AREA (Hectare)
1	Satybadipur	165	GRAMYA JUNGLE	1.190	0.482	0.486
2		187/245	GRAMYA JUNGLE	1.320	0.534	0.549
	TOTAL AREA			2.510	1.016	1.035

LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

DGPS Survey Conducted and Map Prepared by :-



Suvadra Consultants

(An ISO 9001 : 2015 Certified and Approved by Govt. of India & Govt. of Odisha)

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GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-PRASANNAGAR (SHEET-1) TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

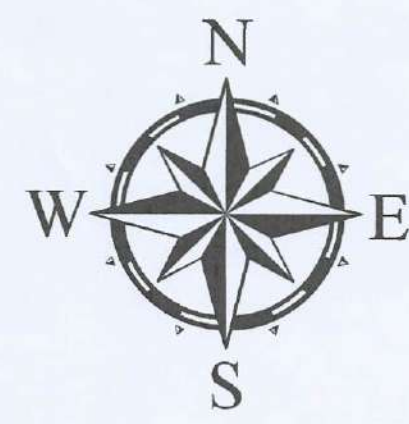
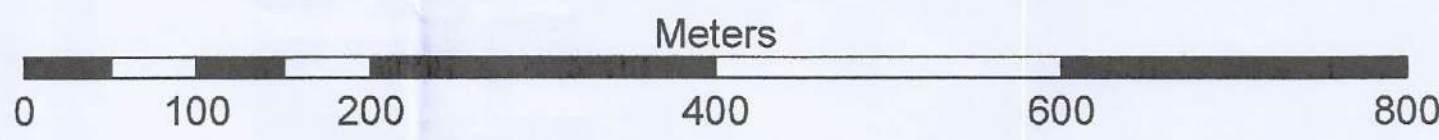
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DERIVED CO-ORDINATES OF VILLAGE FOREST POINT				
SL. NO.	POINT ID	EASTING	NORTHING	LATITUDE
1	FO.747	300839.441	2319731.445	E85° 5' 3.718" N20° 58' 2.642"
2	FO.748	300848.550	2319735.888	E85° 5' 4.031" N20° 58' 2.790"
3	FO.749	300852.678	2319732.430	E85° 5' 4.175" N20° 58' 2.679"
4	FO.750	300853.241	2319732.570	E85° 5' 4.195" N20° 58' 2.684"
5	FO.751	300854.311	2319733.672	E85° 5' 4.231" N20° 58' 2.720"
6	FO.752	300859.529	2319734.962	E85° 5' 4.411" N20° 58' 2.764"
7	FO.753	300864.230	2319733.904	E85° 5' 4.575" N20° 58' 2.731"
8	FO.754	300866.270	2319733.150	E85° 5' 4.645" N20° 58' 2.707"
9	FO.755	300872.947	2319730.682	E85° 5' 4.878" N20° 58' 2.630"
10	FO.756	300873.880	2319730.337	E85° 5' 4.910" N20° 58' 2.619"
11	FO.757	300875.967	2319733.052	E85° 5' 4.981" N20° 58' 2.708"
12	FO.758	300883.163	2319742.414	E85° 5' 5.226" N20° 58' 3.015"
13	FO.759	300876.820	2319746.677	E85° 5' 5.005" N20° 58' 3.151"
14	FO.760	300870.122	2319750.575	E85° 5' 4.772" N20° 58' 3.275"
15	FO.761	300861.058	2319754.564	E85° 5' 4.456" N20° 58' 3.402"
16	FO.762	300868.722	2319766.040	E85° 5' 4.717" N20° 58' 3.778"
17	FO.763	300848.947	2319775.206	E85° 5' 4.028" N20° 58' 4.068"
18	FO.764	300829.928	2319784.544	E85° 5' 3.366" N20° 58' 4.364"
19	FO.765	300811.567	2319773.763	E85° 5' 2.735" N20° 58' 4.006"
20	FO.766	300806.134	2319770.808	E85° 5' 2.548" N20° 58' 3.908"
21	FO.767	300837.900	2319759.102	E85° 5' 3.653" N20° 58' 3.540"
22	FO.768	300850.362	2319753.626	E85° 5' 4.086" N20° 58' 3.367"
23	FO.769	300659.798	2319891.207	E85° 4' 57.433" N20° 58' 7.766"
24	FO.770	300662.133	2319895.896	E85° 4' 57.512" N20° 58' 7.919"
25	FO.771	300664.395	2319905.224	E85° 4' 57.587" N20° 58' 8.223"
26	FO.772	300666.390	2319909.894	E85° 4' 57.654" N20° 58' 8.376"
27	FO.773	300672.159	2319934.190	E85° 4' 57.843" N20° 58' 9.168"
28	FO.774	300674.194	2319943.365	E85° 4' 57.910" N20° 58' 9.467"
29	FO.775	300691.099	2319939.853	E85° 4' 58.497" N20° 58' 9.359"
30	FO.776	300723.256	2319934.752	E85° 4' 59.612" N20° 58' 9.206"
31	FO.777	300751.593	2319932.225	E85° 5' 0.594" N20° 58' 9.135"
32	FO.778	300772.738	2319931.131	E85° 5' 1.326" N20° 58' 9.107"
33	FO.779	300770.243	2319937.849	E85° 5' 1.237" N20° 58' 9.325"
34	FO.780	300767.879	2319943.687	E85° 5' 1.153" N20° 58' 9.514"
35	FO.781	300766.979	2319947.614	E85° 5' 1.120" N20° 58' 9.641"
36	FO.782	300772.942	2319948.322	E85° 5' 1.326" N20° 58' 9.666"
37	FO.783	300790.415	2319949.630	E85° 5' 1.930" N20° 58' 9.716"
38	FO.784	300800.402	2319949.647	E85° 5' 2.276" N20° 58' 9.720"
39	FO.785	300804.049	2319964.524	E85° 5' 2.396" N20° 58' 10.205"
40	FO.786	300793.916	2319968.334	E85° 5' 2.044" N20° 58' 10.325"
41	FO.787	300790.395	2319970.115	E85° 5' 1.921" N20° 58' 10.382"
42	FO.788	300795.554	2319985.110	E85° 5' 2.093" N20° 58' 10.871"
43	FO.789	300797.762	2319989.788	E85° 5' 2.168" N20° 58' 11.024"
44	FO.790	300798.166	2319992.766	E85° 5' 2.181" N20° 58' 11.121"
45	FO.791	300804.190	2319994.128	E85° 5' 2.389" N20° 58' 11.168"
46	FO.792	300810.994	2319996.132	E85° 5' 2.623" N20° 58' 11.236"
47	FO.793	300817.994	2320000.314	E85° 5' 2.864" N20° 58' 11.374"
48	FO.794	300828.643	2320006.451	E85° 5' 3.230" N20° 58' 11.578"
49	FO.795	300830.938	2320007.801	E85° 5' 3.309" N20° 58' 11.623"
50	FO.796	300831.561	2320003.701	E85° 5' 3.332" N20° 58' 11.490"
51	FO.797	300830.299	2319998.103	E85° 5' 3.291" N20° 58' 11.307"
52	FO.798	300823.585	2319980.336	E85° 5' 3.066" N20° 58' 10.727"
53	FO.799	300818.448	2319967.778	E85° 5' 2.893" N20° 58' 10.317"
54	FO.800	300816.057	2319958.738	E85° 5' 2.814" N20° 58' 10.022"
55	FO.801	300811.224	2319945.230	E85° 5' 2.652" N20° 58' 9.581"
56	FO.802	300808.069	2319933.867	E85° 5' 2.548" N20° 58' 9.210"
57	FO.803	300805.763	2319923.383	E85° 5' 2.472" N20° 58' 8.868"
58	FO.804	300802.857	2319908.369	E85° 5' 2.378" N20° 58' 8.379"
59	FO.805	300822.196	2319915.690	E85° 5' 3.044" N20° 58' 8.625"
60	FO.806	300834.309	2319937.071	E85° 5' 3.455" N20° 58' 9.324"
61	FO.807	300850.228	2319966.959	E85° 5' 3.993" N20° 58' 10.302"
62	FO.808	300858.448	2319977.745	E85° 5' 4.273" N20° 58' 10.658"
63	FO.809	300863.369	2319985.253	E85° 5' 4.441" N20° 58' 10.902"
64	FO.810	300866.401	2319994.264	E85° 5' 4.542" N20° 58' 11.196"
65	FO.811	300868.949	2320005.402	E85° 5' 4.625" N20° 58' 11.559"
66	FO.812	300872.965	2320005.653	E85° 5' 4.764" N20° 58' 11.569"
67	FO.813	300881.432	2320007.134	E85° 5' 5.057" N20° 58' 11.621"
68	FO.814	300882.581	2320005.228	E85° 5' 5.097" N20° 58' 11.559"
69	FO.815	300882.848	2320002.055	E85° 5' 5.108" N20° 58' 11.456"
70	FO.816	300882.862	2319998.374	E85° 5' 5.110" N20° 58' 11.336"
71	FO.817	300883.553	2319996.245	E85° 5' 5.135" N20° 58' 11.267"
72	FO.818	300890.223	2319992.885	E85° 5' 5.367" N20° 58' 11.161"
73	FO.819	300887.266	2319986.821	E85° 5' 5.267" N20° 58' 10.962"
74	FO.820	300882.007	2319977.452	E85° 5' 5.089" N20° 58' 10.656"
75	FO.821	300877.035	2319977.297	E85° 5' 4.917" N20° 58' 10.649"
76	FO.822	300868.752	2319962.787	E85° 5' 4.636" N20° 58' 10.174"
77	FO.823	300865.518	2319957.123	E85° 5' 4.527" N20° 58' 9.989"
78	FO.824	300869.943	2319954.608	E85° 5' 4.681" N20° 58' 9.909"
79	FO.825	300869.643	2319951.541	E85° 5' 4.672" N20° 58' 9.809"
80	FO.826	300867.816	2319942.540	E85° 5' 4.612" N20° 58' 9.515"
81	FO.827	300864.758	2319929.384	E85° 5' 4.512" N20° 58' 9.086"
82	FO.828	300853.975	2319925.420	E85° 5' 4.140" N20° 58' 8.853"
83	FO.829	300854.620	2319922.279	E85° 5' 4.164" N20° 58' 8.852"
84	FO.830	300855.099	2319919.942	E85° 5' 4.181" N20° 58' 8.776"
85	FO.831	300864.353	2319923.275	E85° 5' 4.500" N20° 58' 8.888"
86	FO.832	300886.285	2319932.857	E85° 5' 5.255" N20° 58' 9.208"
87	FO.833	300888.767	2319926.544	E85° 5' 5.344" N20° 58' 9.003"
88	FO.834	300892.279	2319912.088	E85° 5' 5.472" N20° 58' 8.535"
89	FO.835	300886.184	2319909.548	E85° 5' 5.262" N20° 58' 8.450"
90	FO.836	300884.686	2319902.635	E85° 5' 5.213" N20° 58' 8.225"
91	FO.837	300884.076	2319890.810	E85° 5' 5.196" N20° 58' 7.840"
92	FO.838	300903.915	2319888.731	E85° 5' 5.884" N20° 58' 7.780"
93	FO.839	300913.768	2319887.884	E85° 5' 6.225" N20° 58' 7.756"
94	FO.840	300913.479	2319873.363	E85° 5' 6.221" N20° 58' 7.284"
95	FO.841	300911.967	2319855.329	E85° 5' 6.177" N20° 58' 6.697"
96	FO.842	300910.743	2319849.024	E85° 5' 6.137" N20° 58' 6.492"
97	FO.843	300899.560	2319852.383	E85° 5' 5.748" N20° 58' 6.597"
98	FO.844	300893.837	2319852.861	E85° 5' 5.550" N20° 58' 6.610"
99	FO.845	300886.688	2319851.864	E85° 5' 5.303" N20° 58' 6.375"
100	FO.846	300872.217	2319851.675	E85° 5' 4.802" N20° 58' 6.563"
101	FO.847	300866.188	2319852.359	E85° 5' 4.593" N20° 58' 6.583"
102	FO.848	300865.597	2319858.404	E85° 5' 4.570" N20° 58' 6.779"
103	FO.849	300863.119	2319881.222	E85° 5' 4.475" N20° 58' 7.530"
104	FO.850	300859.842	2319896.956	E85° 5' 4.355" N20° 58' 8.030"
105	FO.851	300856.861	2319911.355	E85° 5' 4.246" N20° 58' 8.497"
106	FO.852	300829.075	2319904.197	E85° 5' 3.287" N20° 58' 8.254"
107	FO.853	300811.533	2319899.542	E85° 5' 2.682" N20° 58' 8.096"
108	FO.854	300792.477	2319894.641	E85° 5' 2.024" N20° 58' 7.929"
109	FO.855	300782.137	2319892.743	E85° 5' 1.667" N20° 58' 7.863"
110	FO.856	300766.995	2319890.836	E85° 5' 1.144" N20° 58' 7.795"
111	FO.857	300757.021	2319889.580	E85° 5' 0.799" N20° 58' 7.750"
112	FO.858	300751.227	2319887.822	E85° 5' 0.599" N20° 58' 7.691"
113	FO.859	300743.227	2319886.653	E85° 5' 0.323" N20° 58' 7.650"
114	FO.860	300734.949	2319885.933	E85° 5' 0.037" N20° 58' 7.623"
115	FO.861	300722.838	2319886.585	E85° 4' 59.617" N20° 58' 7.640"
116	FO.862	300713.078	2319887.342	E85° 4' 59.279" N20° 58' 7.661"
117	FO.863	300694.342	2319887.888	E85° 4' 58.630" N20° 58' 7.671"
118	FO.864	300680.148	2319888.731	E85° 4' 58.139" N20° 58' 7.693"
119	FO.865	300674.871	2319889.867	E85° 4' 57.956" N20° 58' 7.728"
120	FO.866	300661.009	2319891.037	E85° 4' 57.650" N20° 58' 7.760"
121	FO.867	300720.076	2319925.433	E85° 4' 59.506" N20° 58' 8.902"
122	FO.868	300734.213	2319924.463	E85° 5' 0.000" N20° 58' 8.876"
123	FO.869	300746.700	2319924.044	E85° 5' 0.428" N20° 58' 8.867"
124	FO.870	300764.328	2319924.098	E85° 5' 1.038" N20° 58' 8.876"
125	FO.871	300778.389	2319923.646	E85° 5' 1.525" N20° 58' 8.866"
126	FO.872	300783.884	2319910.310	E85° 5' 1.720" N20° 58' 8.435"
127	FO.873	300780.904	2319907.858	E85° 5' 1.618" N20° 58' 8.354"
128	FO.874	300775.601	2319907.560	E85° 5' 1.435" N20° 58' 8.342"
129	FO.875	300763.975	2319905.416	E85° 5' 1.033" N20° 58' 8.268"
130	FO.876	300756.155	2319904.259	E85° 5' 0.763" N20° 58' 8.227"
131	FO.877	300746.811	2319904.616	E85° 5' 0.440" N20° 58' 8.235"
132	FO.878	300721.171	2319904.762	E85° 4' 59.552" N20° 58' 8.230"
133	FO.879	300714.330	2319905.349	E85° 4' 59.315" N20° 58' 8.247"
134	FO.880	300716.813	2319915.269	E85° 4' 59.397" N20° 58' 8.570"
135	FO.881	300743.390	2319957.749	E85° 5' 0.299" N20° 58' 9.961"
136	FO.882	300741.388	2319962.587	E85° 5' 0.228" N20° 58' 10.118"
137	FO.883	300741.160	2319968.993	E85° 5' 0.217" N20° 58' 10.326"
138	FO.884	300731.606	2319970.857	E85° 4' 59.866" N20° 58' 10.383"
139	FO.885	300730.087	2319976.404	E85° 4' 59.831" N20° 58' 10.563"
140	FO.886	300729.384	2319979.666	E85° 4' 59.805" N20° 58' 10.668"
141	FO.887	300744.104	2319982.413	E85° 5' 0.314" N20° 58' 10.763"
142	FO.888	300747.389	2319983.017	E85° 5' 0.427" N20°

GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-PRASANNAGAR (SHEET-3) TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



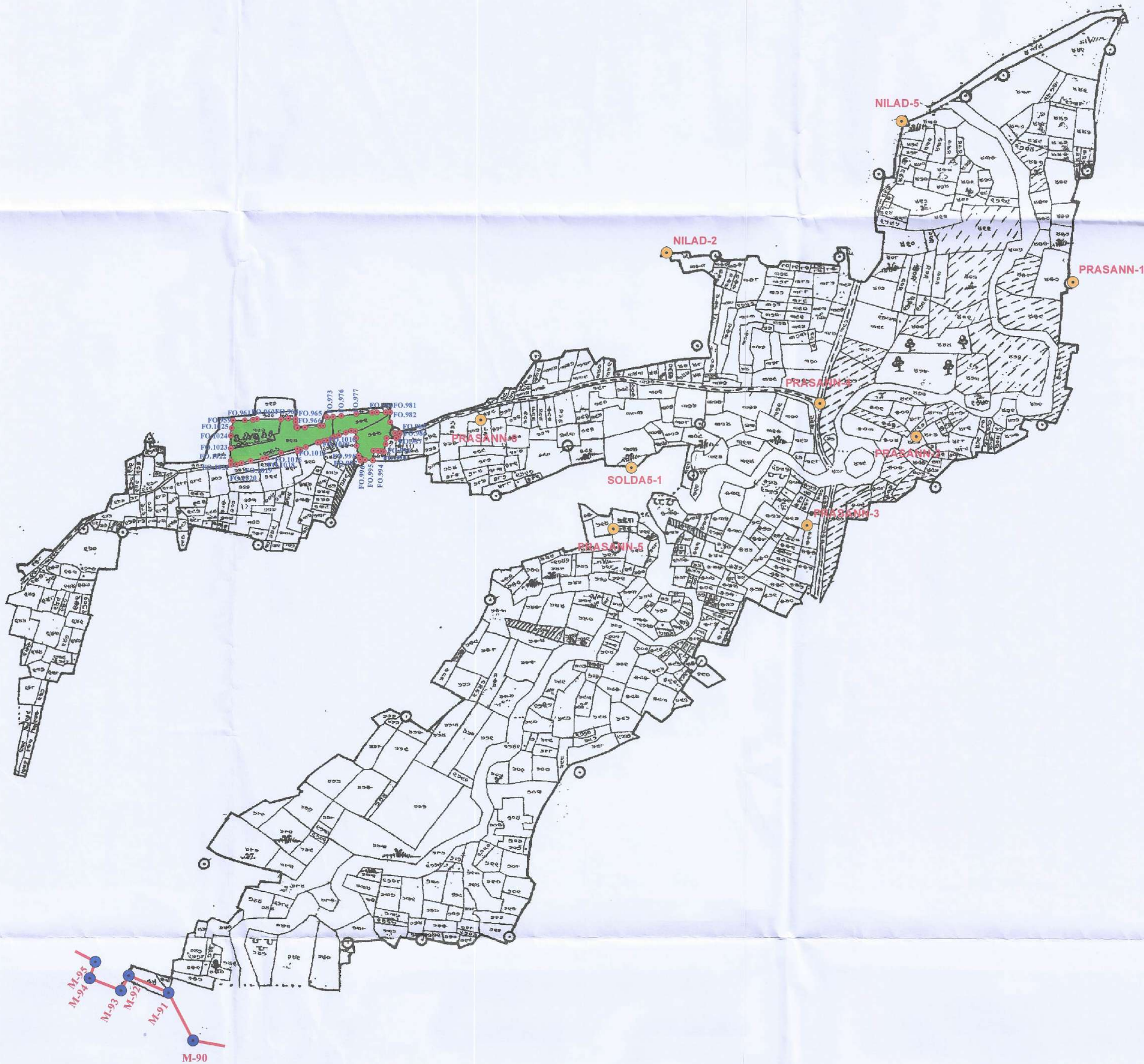
DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT				
SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	SOLDAS-1	301939.514	2320178.722	85°05'41.60926"
2	NILAD-2	301991.254	2320497.786	85°05'43.26867"
3	NILAD-5	302338.983	2320693.512	85°05'55.22447"
4	PRASANN-1	302593.380	2320455.254	85°06'04.12818"
5	PRASANN-2	302361.446	2320225.225	85°05'56.19461"
6	PRASANN-3	302200.712	2320093.462	85°05'50.68524"
7	PRASANN-4	302219.365	2320274.438	85°05'51.25642"
8	PRASANN-5	301912.910	2320088.005	85°05'40.72539"
9	PRASANN-6	301716.060	2320249.931	85°05'33.84539"

DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS				
SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	M-90	301290.576	2319328.020	85°05'19.49903"
2	M-91	301254.063	2319398.929	85°05'18.20594"
3	M-92	301195.061	2319424.064	85°05'16.15340"
4	M-93	301183.547	2319402.006	85°05'15.76403"
5	M-94	301137.285	2319420.187	85°05'14.15530"
6	M-95	301145.712	2319445.133	85°05'14.43664"

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT				
SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	FO.959	301349.351	2320249.302	85°05'21.153"
2	FO.960	301366.997	2320249.014	85°05'21.764"
3	FO.961	301378.768	2320250.015	85°05'22.171"
4	FO.962	301385.112	2320251.083	85°05'22.390"
5	FO.963	301420.196	2320250.667	85°05'23.604"
6	FO.964	301430.977	2320251.439	85°05'23.977"
7	FO.965	301442.160	2320251.266	85°05'24.364"
8	FO.966	301441.996	2320246.535	85°05'24.361"
9	FO.967	301442.214	2320239.030	85°05'24.371"
10	FO.968	301444.343	2320239.169	85°05'24.445"
11	FO.969	301444.401	2320237.499	85°05'24.448"
12	FO.970	301456.277	2320238.249	85°05'24.858"
13	FO.971	301477.985	2320240.819	85°05'25.609"
14	FO.972	301482.542	2320241.196	85°05'25.766"
15	FO.973	301487.260	2320254.355	85°05'25.927"
16	FO.974	301488.722	2320253.986	85°05'25.975"
17	FO.975	301497.736	2320254.285	85°05'26.287"
18	FO.976	301509.636	2320255.517	85°05'26.698"
19	FO.977	301531.794	2320258.407	85°05'27.464"
20	FO.978	301555.362	2320260.711	85°05'28.279"
21	FO.979	301562.796	2320261.435	85°05'28.536"
22	FO.980	301575.558	2320261.117	85°05'28.978"
23	FO.981	301581.830	2320260.950	85°05'29.195"
24	FO.982	301582.039	2320246.670	85°05'29.208"
25	FO.983	301589.740	2320230.420	85°05'29.481"
26	FO.984	301596.409	2320230.951	85°05'29.712"
27	FO.985	301595.803	2320229.577	85°05'29.691"
28	FO.986	301593.789	2320225.007	85°05'29.623"
29	FO.987	301590.501	2320222.754	85°05'29.511"
30	FO.988	301576.613	2320222.884	85°05'29.030"
31	FO.989	301575.228	2320213.996	85°05'28.986"
32	FO.990	301572.958	2320203.074	85°05'28.912"
33	FO.991	301568.294	2320203.732	85°05'28.750"
34	FO.992	301563.609	2320204.328	85°05'28.587"
35	FO.993	301556.958	2320204.248	85°05'28.357"
36	FO.994	301556.833	2320189.116	85°05'28.359"
37	FO.995	301544.992	2320189.924	85°05'27.949"
38	FO.996	301538.725	2320188.375	85°05'27.733"
39	FO.997	301537.929	2320190.430	85°05'27.704"
40	FO.998	301535.513	2320196.665	85°05'27.618"
41	FO.999	301532.721	2320211.317	85°05'27.515"
42	FO.1000	301531.435	2320222.861	85°05'27.466"
43	FO.1001	301530.382	2320233.254	85°05'27.425"
44	FO.1002	301524.448	2320233.379	85°05'27.220"
45	FO.1003	301516.283	2320231.240	85°05'26.938"
46	FO.1004	301506.166	2320226.988	85°05'26.590"
47	FO.1005	301499.548	2320224.830	85°05'26.362"
48	FO.1006	301495.911	2320222.673	85°05'26.237"
49	FO.1007	301489.483	2320219.796	85°05'26.015"
50	FO.1008	301484.427	2320218.764	85°05'25.841"
51	FO.1009	301477.821	2320216.567	85°05'25.613"
52	FO.1010	301474.424	2320215.896	85°05'25.496"
53	FO.1011	301456.977	2320209.351	85°05'24.894"
54	FO.1012	301449.177	2320205.767	85°05'24.626"
55	FO.1013	301445.485	2320203.671	85°05'24.499"
56	FO.1014	301444.625	2320206.536	85°05'24.468"
57	FO.1015	301420.433	2320200.443	85°05'23.633"
58	FO.1016	301399.226	2320193.489	85°05'22.902"
59	FO.1017	301393.572	2320192.334	85°05'22.707"
60	FO.1018	301375.513	2320188.645	85°05'22.083"
61	FO.1019	301362.299	2320185.517	85°05'21.627"
62	FO.1020	301354.889	2320183.491	85°05'21.372"
63	FO.1021	301345.862	2320182.830	85°05'21.059"
64	FO.1022	301346.060	2320188.735	85°05'21.064"
65	FO.1023	301345.635	2320207.357	85°05'21.041"
66	FO.1024	301345.754	2320225.909	85°05'21.038"
67	FO.1025	301347.064	2320237.483	85°05'21.078"

AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION

SL. NO.	VILLAGE	PLOT NO.	KISAM	ALLOTTED AREA (Acre)	ALLOTTED AREA (Hectare)	MAP AREA (Hectare)
1	Prasannanagar-3	210	GRAMYA JUNGLE	0.620	0.251	0.255
2		214	GRAMYA JUNGLE	1.130	0.457	0.452
3		251	GRAMYA JUNGLE	0.420	0.170	0.170
4		254	GRAMYA JUNGLE	0.550	0.223	0.237
		TOTAL AREA		2.720	1.101	1.114



LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

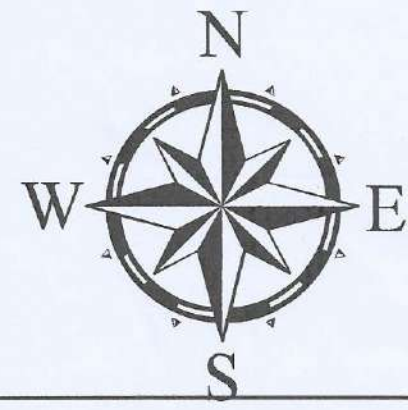
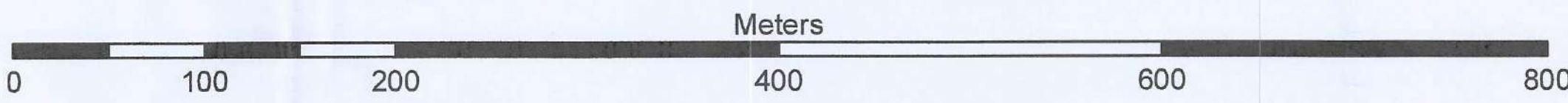
DGPS Survey Conducted and Map Prepared by :-

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GEOREFERENCE MAP SHOWING DGPS SURVEY FOREST AREAS OF VILLAGE-PRASANNAGAR (SHEET-4) TO BE DIVERTED WITHIN THE M.L. BOUNDARY OF BHARATPUR OPEN CAST PROJECT PROPOSED FOR EXPANSION OF M/s MCL BHARATPUR AREA, TALCHER, ANGUL

SCALE-1:3,960



DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	vp.105	301384.800	2319213.919	E85° 5' 22.807"	N20° 57' 46.029"
2	vp.106	301291.534	2319165.632	E85° 5' 19.599"	N20° 57' 44.423"
3	vp.107	301216.955	2319297.593	E85° 5' 16.963"	N20° 57' 48.684"
4	vp.108	301175.680	2319186.865	E85° 5' 15.581"	N20° 57' 45.068"
5	vp.109	301226.083	2319398.400	E85° 5' 17.238"	N20° 57' 51.964"
6	vp.110	301503.102	2319399.987	E85° 5' 26.825"	N20° 57' 52.124"
DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	M-88	301449.983	2319231.307	85°05'25.05624"	20°57'46.61910"
2	M-89	301399.082	2319308.765	85°05'23.26250"	20°57'49.11757"
3	M-90	301290.576	2319328.020	85°05'19.49903"	20°57'49.70146"
4	M-91	301254.063	2319398.929	85°05'18.20594"	20°57'51.99253"
5	M-92	301195.061	2319424.064	85°05'16.15340"	20°57'52.78680"
6	M-93	301183.547	2319402.006	85°05'15.76403"	20°57'52.06522"
DERIVED CO-ORDINATES OF VILLAGE FOREST POINT					
SL NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	FO.736	301396.968	2319309.140	E85° 5' 23.189"	N20° 57' 49.129"
2	FO.737	301392.413	2319342.436	E85° 5' 23.018"	N20° 57' 50.210"
3	FO.738	301385.477	2319339.898	E85° 5' 22.779"	N20° 57' 50.124"
4	FO.739	301377.977	2319336.122	E85° 5' 22.521"	N20° 57' 49.999"
5	FO.740	301376.279	2319334.807	E85° 5' 22.463"	N20° 57' 49.955"
6	FO.741	301367.189	2319336.561	E85° 5' 22.147"	N20° 57' 50.009"
7	FO.742	301345.447	2319339.412	E85° 5' 21.393"	N20° 57' 50.093"
8	FO.743	301310.816	2319345.387	E85° 5' 20.192"	N20° 57' 50.274"
9	FO.744	301305.183	2319347.009	E85° 5' 19.997"	N20° 57' 50.324"
10	FO.745	301301.692	2319337.689	E85° 5' 19.880"	N20° 57' 50.020"
11	FO.746	301296.881	2319326.901	E85° 5' 19.718"	N20° 57' 49.668"

AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION						
SL NO.	VILLAGE	PLOT NO.	KISAM	ALLOCATED AREA (Acre)	ALLOCATED AREA (Hectare)	MAP AREA (Hectare)
1	Prasannanagar-4	790	GRAMYA JUNGLE	0.680	0.275	0.159
2		791	GRAMYA JUNGLE	0.200	0.081	0.053
		TOTAL AREA		0.880	0.356	0.212

LEGEND

- DGPS OBSERVATION CO-ORDINATES OF GEOREFERENCE POINT
- DGPS OBSERVATION CO-ORDINATES OF M.L. PILLARS
- DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
- MINING LEASE BOUNDARY
- VILLAGE FOREST AREA PROPOSED FOR DIVERSION

DGPS Survey Conducted and Map Prepared by :-

Suvadra Consultants
(An ISO 9001 : 2015 Certified and Approved by Govt. of India & Govt. of Odisha)

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