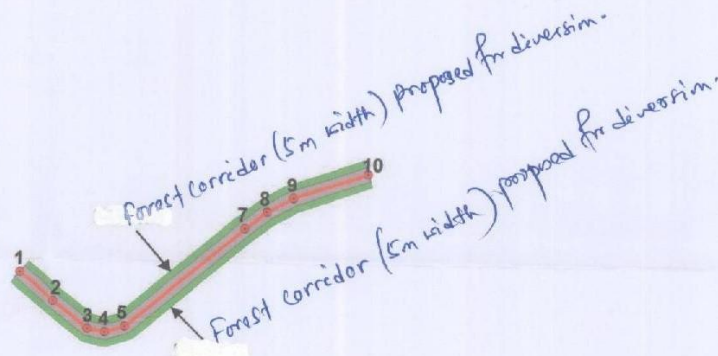
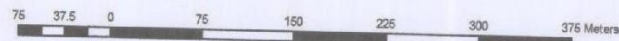


MAP SHOWING DGPS/ETS SURVEYED FOREST AREA PROPOSED FOR DIVERSION OF NH-57 FROM KM.-153/010 TO KM 153/250
UNDER PADAL R.F. IN BOUDH DISTRICT OF NH DIVISION-SAMBALPUR
(BOUDH FOREST DIVISION)

SCALE-1:4000



DGPS/ETS SURVEYED CENTRE LINE POINTS COORDINATE

SL_NO	ID	Latitude	Longitude	Northing	Easting	SURVEY
1	1	N20°26'38.01740"	E84°30'39.03329"	2262575.134	240296.597	TS
2	2	N20°26'37.28645"	E84°30'40.01331"	2262552.217	240324.671	DGPS
3	3	N20°26'36.57491"	E84°30'41.00919"	2262529.889	240353.215	DGPS
4	4	N20°26'36.48488"	E84°30'41.49845"	2262526.904	240367.359	DGPS
5	5	N20°26'36.66060"	E84°30'42.05815"	2262532.064	240383.67	DGPS
6	7	N20°26'39.39349"	E84°30'45.34026"	2262614.690	240480.113	DGPS
7	8	N20°26'39.83676"	E84°30'45.94467"	2262628.060	240497.844	DGPS
8	9	N20°26'40.23076"	E84°30'46.65064"	2262639.870	240518.498	DGPS
9	10	N20°26'40.94054"	E84°30'48.72685"	2262660.791	240579.030	DGPS

PATCH-1	0.34 Ha
PATCH-2	3.20 Ha

TOTAL PROPOSED RESERVED FOREST AREA = 3.54 Ha.

REFERENCE

- DGPS/ETS SURVEYED CENTRE LINE POINTS
- CENTRE LINE
- PROPOSED FOREST AREA (5.0 MTR. FROM EXISTING ROAD EDGE)
- EXISTING ROAD (13.0 MTR. WIDTH)



CLIENT: - Executive Engineer, NH Division, Sambalpur.

CONSULTANT: -

SUVADRA CONSULTANTS

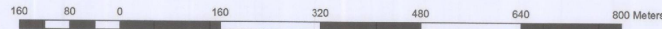
(Approved by Govt. of Odisha, (An ISO 9000:2008 Certified)
Soil Testing Laboratory & Engineering Consultant.
REGD. OFF: PP-97, Tankapuri Road Bhubaneswar-751018, Odisha
Phone: 0674/6536124 Fax: 0674-2432090
E-mail: suvadra_consultants@yahoo.com
Web: www.suvadraconsultants.com

Project Title:-		Drawing Title:-		
DGPS Survey Map of Proposed Forest Diversion of NH-57 From Km 153/010 To Km 153/250 of NH Division Sambalpur, In The District of Boudh.		DGPS SURVEY MAP.		
SURVEYED BY:	CHECKED BY	ENTERED BY	DATE	SCALE
Er.S.K.Sahoo	Er.B.K.Tungo	Er.S.K.Sahoo	19-06-2015	

**MAP SHOWING DGPS/ETS SURVEYED FOREST AREA PROPOSED FOR DIVERSION OF NH-57 FROM KM.-158/840 TO KM 162/010
UNDER MUNDESHWAR R.F. IN BOUDH DISTRICT OF NH DIVISION-SAMBALPUR
(BOUDH FOREST DIVISION)**



SCALE-1:4000



(Map for Patch-II)

DGPS/ETS SURVEYED CENTRE LINE POINTS COORDINATE

SL. NO.	ID	Elevation	Latitude	Longitude	Northing	Easting	SURVEY
1	1	229.416	N20°25'01.71325"	E84°34'31.59083"	2259573.152	246994.719	DGPS
2	2	229.876	N20°25'04.26346"	E84°34'30.81691"	2259591.832	246974.530	DGPS
3	3	231.046	N20°25'04.97345"	E84°34'29.26870"	2259612.913	246929.051	DGPS
4	4	232.122	N20°25'05.29517"	E84°34'27.90460"	2259623.517	246892.541	DGPS
5	5	233.487	N20°25'05.37426"	E84°34'25.36156"	2259626.917	246816.829	DGPS
6	6	233.675	N20°25'05.22524"	E84°34'24.35378"	2259622.705	246787.537	DGPS
7	7	236.19	N20°25'05.62493"	E84°34'20.60327"	2259646.754	246515.803	DGPS
8	10	237.822	N20°25'05.96676"	E84°34'17.33286"	2259648.648	246384.173	DGPS
9	11	239.457	N20°25'06.29907"	E84°34'12.85460"	2259660.73	246454.557	DGPS
10	12	234.743	N20°25'06.35750"	E84°34'09.41074"	2259664.007	246354.714	DGPS
11	13	232.467	N20°25'06.25844"	E84°34'08.07051"	2259661.135	246215.803	DGPS
12	14	231.714	N20°25'06.28275"	E84°34'07.44337"	2259662.552	246297.627	DGPS
13	15	231.371	N20°25'06.47597"	E84°34'06.82688"	2259668.761	246279.837	DGPS
14	16	230.953	N20°25'07.29116"	E84°34'05.62763"	2259684.352	246245.432	DGPS
15	17	227.743	N20°25'07.84688"	E84°34'04.76747"	2259711.871	246231.214	DGPS
16	19	226.514	N20°25'10.75425"	E84°34'01.56609"	2259802.628	246219.229	DGPS
17	20	226.020	N20°25'11.34326"	E84°34'00.35159"	2259821.269	246094.278	DGPS
18	22	223.405	N20°25'11.60979"	E84°33'57.99388"	2259840.482	246026.014	DGPS
19	23	220.383	N20°25'10.90639"	E84°33'54.64625"	2259810.263	245938.687	DGPS
20	24	225.444	N20°25'10.69763"	E84°33'51.83531"	2259805.071	245847.019	DGPS
21	25	223.089	N20°25'10.55496"	E84°33'51.25031"	2259800.934	245829.989	DGPS
22	26	224.236	N20°25'08.54843"	E84°33'49.93131"	2259770.575	245790.990	DGPS
23	28	224.174	N20°25'09.28431"	E84°33'48.60355"	2259782.987	245752.455	DGPS
24	29	226.324	N20°25'09.77326"	E84°33'46.61559"	2259778.883	245695.229	DGPS
25	31	223.719	N20°25'08.53759"	E84°33'43.17045"	2259742.356	245594.738	DGPS
26	32	221.680	N20°25'08.13827"	E84°33'41.53487"	2259730.786	245446.444	DGPS
27	33	219.688	N20°25'07.76335"	E84°33'38.09720"	2259720.725	245447.283	DGPS
28	34	218.003	N20°25'07.26676"	E84°33'36.07340"	2259707.244	245388.380	DGPS
29	34	214.667	N20°25'06.09580"	E84°33'33.71914"	2259671.316	245319.559	DGPS
30	35	211.186	N20°25'05.55047"	E84°33'33.63047"	2259655.01	245287.737	DGPS
31	66	209.539	N20°25'04.41237"	E84°33'29.65407"	2259622.128	245201.232	DGPS
32	67	209.186	N20°25'04.22998"	E84°33'28.98452"	2259615.962	245181.403	DGPS
33	68	209.010	N20°25'04.22671"	E84°33'28.50337"	2259616.07	245167.448	DGPS
34	69	208.812	N20°25'04.41861"	E84°33'27.99359"	2259622.217	245151.593	DGPS
35	70	208.300	N20°25'05.02129"	E84°33'27.38108"	2259640.997	245135.266	DGPS
36	71	207.999	N20°25'07.03860"	E84°33'26.14745"	2259703.585	245100.415	DGPS
37	73	210.16	N20°25'08.89602"	E84°33'25.47941"	2259761.01	245081.392	DGPS
38	74	212.805	N20°25'10.12619"	E84°33'25.38473"	2259798.693	245079.790	DGPS
39	79	216.281	N20°25'15.08434"	E84°33'25.12797"	2259951.525	245074.533	DGPS
40	80	215.502	N20°25'15.48654"	E84°33'24.42779"	2259964.2	245054.414	DGPS
41	81	214.740	N20°25'17.17239"	E84°33'24.60747"	2260017.880	244925.076	DGPS
42	82	214.914	N20°25'17.40456"	E84°33'23.07067"	2260025.515	244899.942	DGPS
43	83	214.677	N20°25'17.48898"	E84°33'21.27624"	2260028.455	244876.943	DGPS
44	84	212.946	N20°25'17.53859"	E84°33'15.51475"	2260031.174	244796.885	DGPS
45	85	211.624	N20°25'17.49358"	E84°33'14.80407"	2260030.355	244777.370	DGPS
46	86	210.346	N20°25'17.29856"	E84°33'14.23767"	2260024.342	244759.740	DGPS
47	87	208.761	N20°25'16.88052"	E84°33'13.64381"	2260011.739	244742.382	DGPS
48	88	204.046	N20°25'15.40986"	E84°33'12.14692"	2259967.15	244698.245	DGPS
49	89	202.194	N20°25'14.83951"	E84°33'11.47224"	2259949.762	244678.417	DGPS
50	90	200.794	N20°25'14.58775"	E84°33'10.95062"	2259942.374	244663.176	DGPS
51	91	199.596	N20°25'14.43311"	E84°33'10.26663"	2259938.528	244643.279	DGPS
52	92	198.315	N20°25'14.54783"	E84°33'10.48048"	2259941.281	244620.581	DGPS
53	93	195.386	N20°25'15.15683"	E84°33'08.05323"	2259961.133	244579.416	DGPS
54	94	195.998	N20°25'16.95758"	E84°33'04.23059"	2260018.181	244469.389	DGPS
55	95	196.362	N20°25'17.56363"	E84°33'02.73357"	2260017.472	244436.255	DGPS
56	96	196.645	N20°25'17.81600"	E84°33'02.65222"	2260045.704	244385.013	DGPS
57	97	196.58	N20°25'17.90120"	E84°33'00.74305"	2260048.718	244368.687	DGPS
58	98	196.29	N20°25'17.88830"	E84°33'00.12116"	2260048.59	244350.646	DGPS
59	99	195.608	N20°25'17.62800"	E84°32'58.94809"	2260041.091	244316.509	DGPS
60	100	196.017	N20°25'16.90934"	E84°32'57.49564"	2260021.484	244272.347	DGPS
61	5	239.835	N20°25'05.46823"	E84°34'26.56279"	2259629.292	246851.707	TS
62	8	240.917	N20°25'05.10024"	E84°34'23.03756"	2259622.252	246749.351	TS
63	18	232.739	N20°25'10.00002"	E84°34'02.45746"	2259781.812	246154.771	TS
64	21	233.463	N20°25'11.40004"	E84°33'54.96107"	2259812.688	246054.112	TS
65	27	230.994	N20°25'09.29431"	E84°33'54.29469"	2259762.997	245772.702	TS
66	30	233.718	N20°25'09.73873"	E84°33'54.67025"	2259778.238	245667.799	TS
67	35	222.129	N20°25'06.92385"	E84°33'48.07328"	2259868.173	245348.295	TS
68	72	214.46	N20°25'08.06081"	E84°33'25.60277"	2259785.226	245087.697	TS
69	75	221.482	N20°25'11.03167"	E84°33'25.45931"	2259826.735	245082.287	TS
70	76	223.916	N20°25'13.24644"	E84°33'25.81794"	2259895.25	245093.710	TS
71	77	223.132	N20°25'14.24544"	E84°33'25.76380"	2259911.736	245093.344	TS
72	78	222.892	N20°25'14.71001"	E84°33'25.43882"	2259939.876	245083.378	TS

- DGPS survey of forest area proposed for diversion by up-gradation and rehabilitation of N.H.-57 coming under N.H. Sub Division, Boudha has been carried out by the user agency through M/s. Suvaradra Consultants, Bhubaneswar.
- The submitted survey co-ordinates are verified by ORAC. Also ORAC verified the maps showing forest area proposed for diversion with survey co-ordinates and found that the maps are correct at a confidence level of 95%.
- The survey has been carried out on the centre line. One both side of the surveyed line 5.0m wide buffer zone has been shown and marked as existing road. 5m wide buffer zone from existing road boundary has been drawn showing forest area proposed for diversion.
- All the forest areas proposed for diversion comes under R.F. and shown in 2 patches. Total forest areas proposed for diversion works out to 3.544Ha. of which 0.341Ha. under Patch-I and 3.203Ha. under Patch-II from the submitted map files.
- One more map showing forest area proposed for diversion by Patch-I is attached here with.

(As per the attached map file)



PATCH-1	0.341 Ha
PATCH-2	3.203 Ha

TOTAL PROPOSED RESERVED FOREST AREA = 3.544Ha.

REFERENCE

- DGPS/ETS SURVEYED CENTRE LINE POINTS
- CENTRE LINE
- PROPOSED FOREST AREA (5.0 MTR. FROM EXISTING ROAD EDGE)
- EXISTING ROAD (13.0 MTR. WIDTH)

CLIENT: - **Executive Engineer, NH Division, Sambalpur.**

CONSULTANT: -

SUVARADRA CONSULTANTS

(Approved by Govt. of Odisha) (An ISO 2000:2008 Certified)
Soil Testing Laboratory & Engineering Consultant.
REGD. OFF: P.P-97, Tankapuri Road Bhubaneswar-751018, Odisha.
Phone-06746536134 Fax-0674-2432099
E-mail-suvaradra_consultants@yahoo.com
Web- www.suvaradrasconsultants.com

Project Title:- DGPS Survey Map of Proposed Forest Division of NH-57 From Km 153/010 To Km 153/020 of NH Division Sambalpur, In The District of Boudha		Drawing Title:- DGPS SURVEY MAP	
SURVEYED BY: Er.S.K.Sahoo	CHECKED BY: Er.B.K.Tungu	EDITED BY: Er.S.K.Sahoo	DATE 19-06-2015
		SCALE	