

**LiDAR / DGPS Survey report for Forest Diversion of
proposed OFC Cable routes in Dhamtari Division with Route
Length 165.460 Km.**

APPLICATION SUBMITTED BY:

Jio Digital Fibre Private Ltd.



LIDAR / DGPS SURVEY AND GIS MAPPING DONE BY:

**Genesys International Corporation Limited
Mumbai, Maharashtra**



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1.2 Proposed Routes

Following image (Fig-1) shows the proposed routes in Dhamtari Division

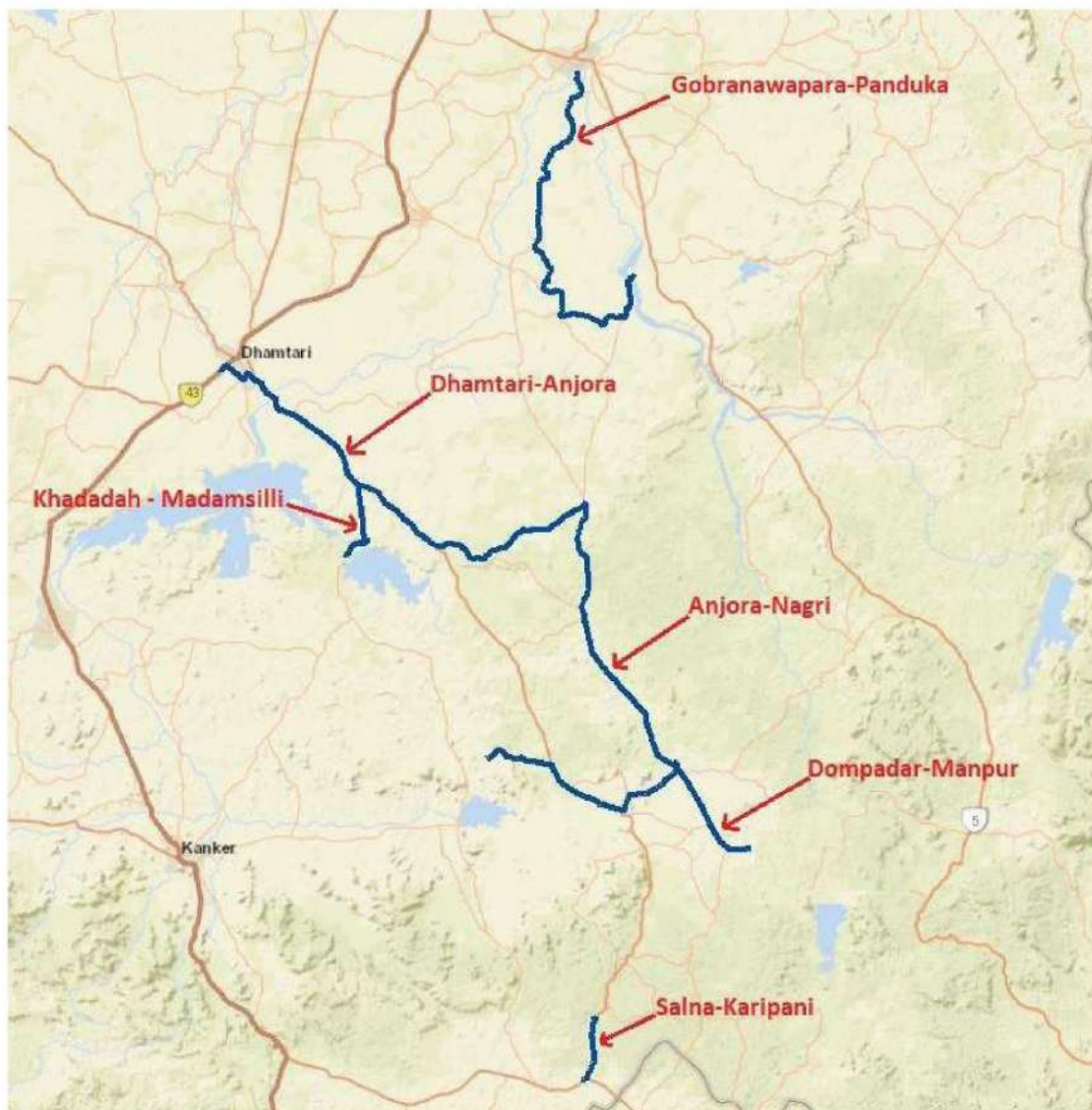


Fig-1: OFC Cable Proposed Routes on Online Map in Dhamtari Division.

1.3 Work Location

The proposed OFC Cable route in Dhamtari Forest Division (Tehsils covered along the route are: Dhamtari, Nagri And Magarload District: Dhamtari The Division length is approx. 165.460 km. The survey site passes through forest ranges – Keregaon, Dhamtari, South Singpur, Dugali, Nagri, Birgudi, Arasi Kanhara, and Uttar Singpur of Dhamtari forest division. The OFC Cable route is covered under Survey of India Toposheets 64H5, 64H6, 64H7, 64H8, 64H10, 64H11, 64H12, 64H13, 64H14, 64H15, 64H16, 64L1, 64L2, 64L3, 64L4, 64L5, 64L6, 64L7, 64L8, on RF 1:50000.

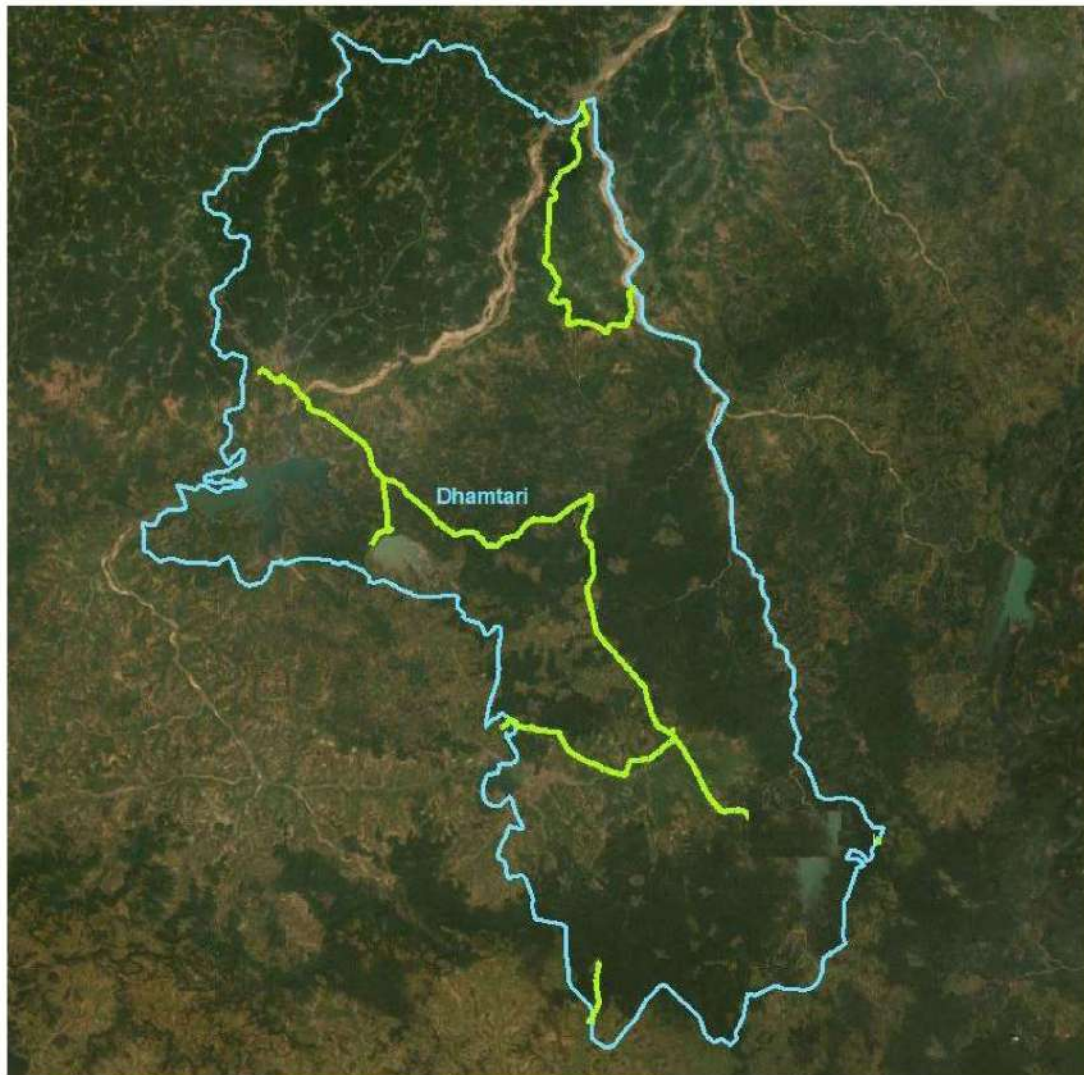


Fig-2: OFC Cable Proposed Routes on Satellite Imagery in Dhamtari Division.

1.4 Objective

As per directives of Ministry of Environment & Forests (MoEF) dated 8th July 2011; all applications for Forest Diversion, under Forest Conservation Act, 1980 must be accompanied with Geo-referenced shape file, showing the boundary of the proposed area (both soft copy and hard copy maps), prepared using Differential GPS (DGPS) and the same should be uploaded to MoEF website along with the online application.

To meet this requirement, Jio Digital Fibre Private Limited entrusted the DGPS survey work to M/s Genesys International Corporation Ltd., Mumbai, through Mobile LiDAR Technology.

2 cope of Work

1. Establishment of one base station with 72 Hours observation and secondary control points at every 10km along the proposed route.
2. DGPS Survey for collection of ground coordinates along the OFC Cable trench at every 50m interval and/or at every turn/bend along the proposed trench. The DGPS data is collected at forest patches only.
3. Data processing and Interpretation
 - a. Geo-referencing of SOI Toposheet (1:50000), Forest Stock map (1:15000, if available) and satellite imagery
 - b. Creation of OFC Cable trench boundary vector map using the DGPS Surveyed data
 - c. Superimposition of cable route layer on Geo-referenced forest maps, SOI Toposheet and Satellite imagery.
 - d. Computation of Forest area proposed for diversion. It includes Reserved/Protected Forest & Revenue Forest.
 - e. Preparation of Geo-referenced forest map at 1:15000 scale, and SOI Toposheet at 1:50000 scale.
 - f. Preparation of DGPS survey report along with soft copy of maps in shapefile format and kml file
4. Printing of report and Geo-referenced maps and Technical compliance.

3 Deliverables

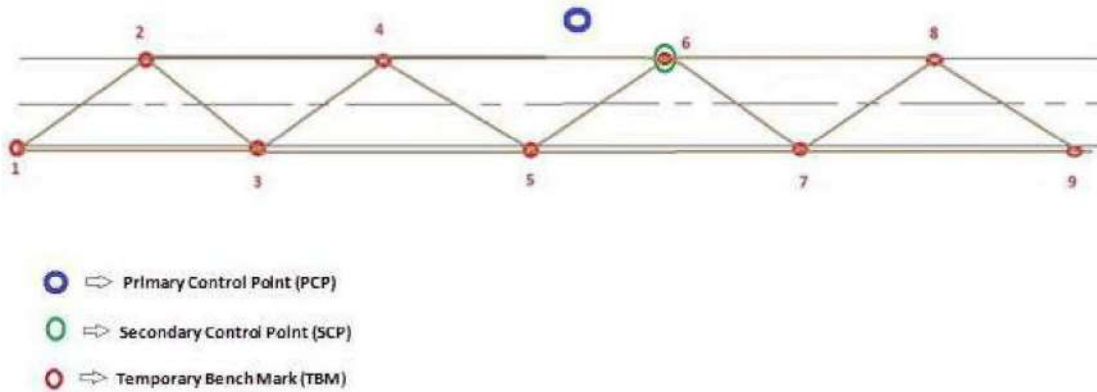
The deliverables envisaged for the assignment are described below

1. Post processed DGPS observations data as well as raw data in RINEX format.
2. DGPS Reports - Base line & network adjustment report for the primary and Secondary Control Points.
3. Geo-referenced SOI maps & forest block maps based on DGPS observations – Hard and Soft Copy (SHP and KML formats).
4. Proposed Forest Diversion area statement as per DGPS Survey
5. DGPS Survey and mapping report

4 Technical Approach (Brief Description)

4.1 GCP Establishment for LiDAR (DGPS) Survey:

Example of defined Triangular Network GCP method.



Primary Control Point: 72 Hours of DGPS observation for Post Processing the PCP data with IGS stations.

Secondary Control Point: 2 - 4 Hours of DGPS observation for Post Processing the SCP data with PCP Data.

Temporary Bench Mark: 1 Hour of DGPS observation for improving the spatial accuracy of the LiDAR point cloud data.

4.2 Mobile LiDAR (DGPS) data collection:

DGPS based Mobile LiDAR data was collected along with 360 degree panoramic view of the OFC route corridor (25 meter on each side along the center of the road).



Mobile LiDAR Van

4.3 DRS / GIS Map Creation Using LiDAR data:

All the features along the route are captured using LiDAR data and Panoramic Imagery to create the DRS / GIS Map.



Feature Extraction on LiDAR



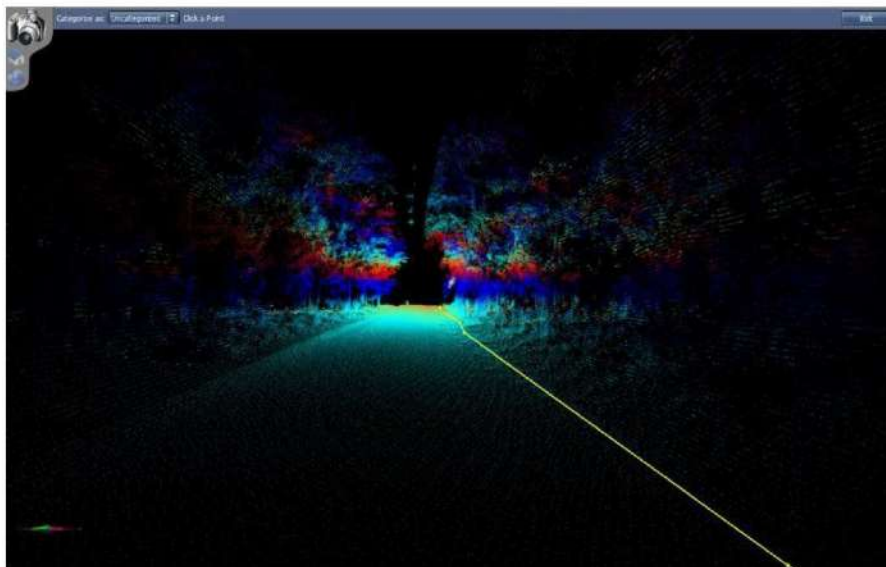
Final DRS / GIS Map

4.4 Demarcation of Proposed OFC on LiDAR data:

Proposed OFC line is demarcated based on the feasibility of trenching to be done on ground by referring the LiDAR data with the Panoramic imagery.



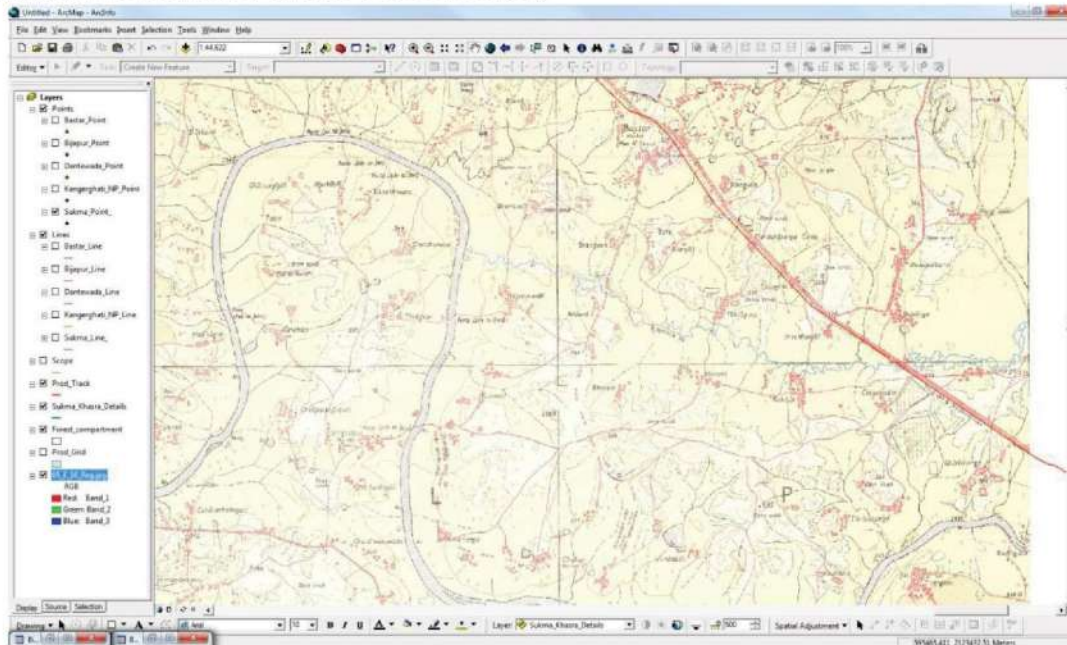
Proposed OFC Line on LiDAR Data (with Panoramic Imagery)



Proposed OFC Line on LiDAR Data only

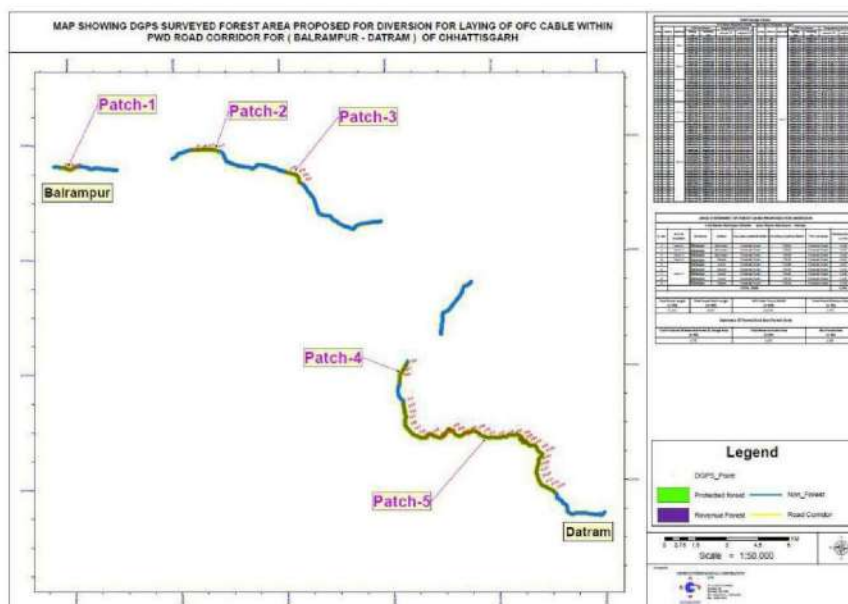
4.5 Geo-referencing of Maps:

Geo-referencing of Revenue Village Maps, SOI Toposheets and Forest Maps are to be done. SOI Toposheets and Forest Maps would be geo-referenced based on the coordinates provided on the maps whereas Revenue Village Maps would be geo-referenced with the help of GCPs collected (at least 5 GCPs for a village having Government Forest Land are to be collected)



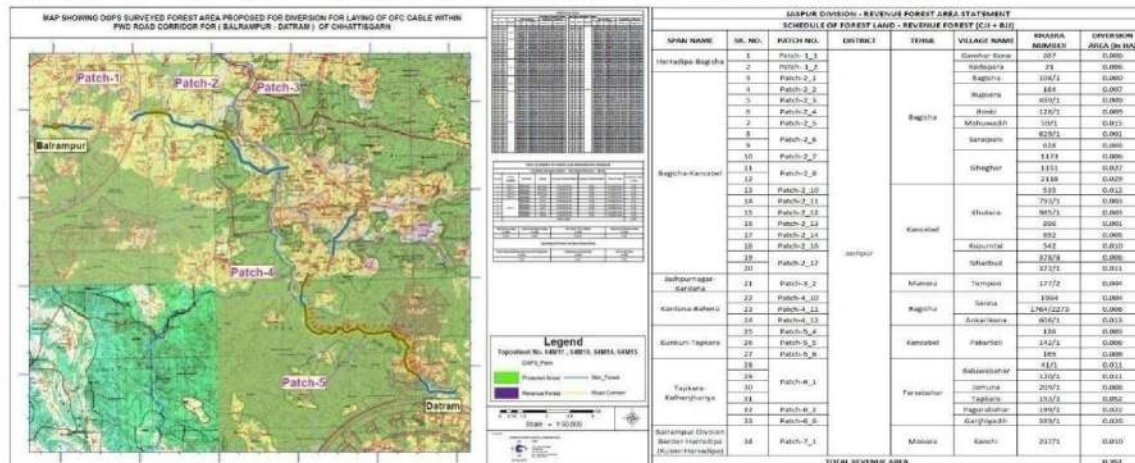
4.6 Creation of Vector Data for Forest Diversion:

Different Layers such as Polygon of Reserved/Protected Forest Patch, Centerline of Forest Trench, Non-Forest Trench line, Polygons showing Revenue Forest patches etc. are to be created using the Geo-referenced maps and the provided information by the forest department.



4.7 Generation of Map and Survey Reports for Forest Diversion:

A map is created by overlaying the created vector data for the forest patches on the Geo-referenced SOI Toposheets / Forest Maps. The reports are generated for DGPS Points (with Lat/long) placed at the regular intervals of 150m on the proposed OFC route in the forest area. Another report is generated having area calculation for the proposed trench area in different type of Forest Lands. Samples of these are as below.



Geo-referenced Map

Forest Area Statement 1

DGPS Survey Points						
Jaspur Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
1	P1	Patch-1_1	784783.839	2563180.832	23° 9' 10.952" N	83° 46' 52.558" E
2	P2		784722.029	2563192.387	23° 9' 11.365" N	83° 46' 50.394" E
3	P3		784660.394	2563204.822	23° 9' 11.808" N	83° 46' 48.238" E
4	P4	Patch-1_2	782507.989	2563583.485	23° 9' 25.437" N	83° 45' 32.882" E
5	P5		782478.669	2563629.794	23° 9' 26.959" N	83° 45' 31.888" E
6	P6		782491.242	2563685.341	23° 9' 28.756" N	83° 45' 32.362" E
7	P7	Patch-1_3	782690.188	2564413.352	23° 9' 52.317" N	83° 45' 37.726" E
8	P8		782557.468	2564333.241	23° 9' 49.760" N	83° 45' 35.120" E
9	P9		782535.966	2564208.425	23° 9' 48.719" N	83° 45' 34.281" E
10	P10	Patch-1_4	781883.634	2562668.611	23° 9' 2.600" N	83° 45' 10.475" E
11	P11		781890.026	2562718.86	23° 8' 57.732" N	83° 45' 10.600" E
12	P12		781837.512	2562582.486	23° 8' 53.935" N	83° 45' 8.665" E
13	P13		781763.554	2562452.425	23° 8' 49.156" N	83° 45' 5.981" E
14	P14	Patch-1_5	781727.130	2562313.678	23° 8' 44.678" N	83° 45' 4.610" E
15	P15		781188.989	2558613.043	23° 6' 44.796" N	83° 44' 43.259" E
16	P16		781104.435	2558489.422	23° 6' 40.832" N	83° 44' 40.208" E
17	P17		781017.132	2558371.435	23° 6' 37.053" N	83° 44' 37.064" E
18	P18		780907.049	2558354.302	23° 6' 36.563" N	83° 44' 33.187" E
19	P19		780797.983	2558329.207	23° 6' 35.815" N	83° 44' 29.340" E
20	P20	Patch-1_6	778219.961	2556965.349	23° 5' 53.079" N	83° 42' 57.917" E
21	P21		778162.061	2556872.654	23° 5' 50.103" N	83° 42' 55.823" E
22	P22		778162.947	2556730.58	23° 5' 48.467" N	83° 42' 55.761" E
23	P23		778039.634	2556651.849	23° 5' 43.004" N	83° 42' 51.580" E
24	P24		777949.518	2556753.241	23° 5' 46.952" N	83° 42' 48.282" E
25	P25		777923.998	2556691.309	23° 5' 50.853" N	83° 42' 47.476" E
26	P26		777939.120	2557083.764	23° 5' 55.471" N	83° 42' 48.100" E
27	P27		777908.466	2557162.044	23° 5' 59.656" N	83° 42' 47.107" E
28	P28		777841.350	2557160.129	23° 5' 59.635" N	83° 42' 44.750" E
29	P29		777752.756	2557039.44	23° 5' 55.768" N	83° 42' 41.560" E
30	P30		777619.912	2557048.036	23° 5' 56.160" N	83° 42' 36.901" E
31	P31		777500.348	2557064.94	23° 5' 56.748" N	83° 42' 32.718" E
32	P32		777395.609	2556958.754	23° 5' 53.346" N	83° 42' 28.966" E
33	P33		777274.137	2556870.293	23° 5' 50.562" N	83° 42' 24.643" E
34	P34		777137.431	2556856.404	23° 5' 50.193" N	83° 42' 19.834" E
35	P35		776998.421	2556840.486	23° 5' 49.760" N	83° 42' 14.977" E
36	P36		776850.026	2556844.931	23° 5' 49.993" N	83° 42' 9.734" E
37	P37		776703.962	2556864.579	23° 5' 50.720" N	83° 42' 4.618" E
38	P38		776534.722	2556748.684	23° 5' 47.057" N	83° 41' 58.600" E
39	P39		Patch-1_7	774509.119	2556428.672	23° 5' 37.877" N
40	P40	774407.058		2556398.070	23° 5' 36.941" N	83° 40' 43.662" E
41	P41	774289.498		2556372.210	23° 5' 36.124" N	83° 40' 39.907" E
42	P42					

Google Earth Pro

File View Tools Help 6.8.0.1099

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KML File

DGPS Survey Point Details

5 DGPS Survey Results

The total route length is approx. 165.460 km and the proposed forest area for diversion is 3.786 Ha. Forest Area Statement Report is in Annexure-1, and DGPS coordinates and forest patch boundary coordinates is in Annexure-2. The geo-referenced maps are in Annexure -3, and DGPS Maps of the Proposed Route (Annexure-4)

SCHEDULE OF FOREST LAND - RESERVE & PROTECTED FOREST										
DHAMTARI - FOREST AREA STATEMENT										
SPAN NAME	SR. NO.	PATCH NUMBER	DIVISION	RANGE	VILLAGE NAME	COMPARTMENT	TYPE OF LAND	DIVERSION AREA (in HA)	LENGTH (KM)	
Dhamtari-Anjora	1	Patch-1_2	Dhamtari	Keregaon	Mathuradi	167	Reserved Forest	0.046	0.920	
	2			Dhamtari		P168	Protected Forest	0.035	0.700	
	3	Patch-1_3		Keregaon	Siyadehi	P162	Reserved Forest	0.039	0.780	
	4					166		0.065	1.300	
	5	Patch-1_5				Kukrel		157	0.052	1.040
	6							163	0.054	1.080
	7	Patch-1_8		Banraot	147	0.040		0.800		
	8	Patch-1_9		South Singpur	Kamaipur	80		Reserved Forest	0.079	1.580
	9				79	0.064			1.280	
	10				Sanzori	91			0.162	3.240
	11				Dhanora	98			0.043	0.860
	12			Palwadi	99	0.107			2.140	
	13				105	0.075			1.500	
	14				97	0.018			0.360	
	15				99A	0.026	0.520			
	16			104	0.062	1.240				
	17			Keregaon	Bendrapani	106	0.030		0.600	
	18				107	0.080	1.600			
	19				129	0.079	1.580			
	20	Keregaon			P130	Protected Forest	0.039	0.780		
	21	Kumhada		125	Reserved Forest	0.172	3.440			
	22			138		0.068	1.360			
	23			Khadadah	P137	Protected Forest	0.040	0.800		
	24				125A	0.019	0.380			
	25	136A		Reserved Forest	0.006	0.120				
	26	Patch-1_10			78	0.050	1.000			
Anjora-Nagri	27	Patch-2_1	South Singpur		Singpur	76	Reserved Forest	0.050	1.000	
	28					78		0.105	2.100	
	29					Basikhai		77	0.125	2.500
	30		Dugali		Dugali	260		0.072	1.440	
	31				Kavvabara	258		0.056	1.120	
	32				Koli Yari	266A		0.070	1.400	
	33				Dugali	258A		0.017	0.340	
	34					259		0.043	0.860	
	35				254	0.055		1.100		
	36				Koli Yari	267A		0.034	0.680	
	37			267		0.035		0.700		
	38		Nagri	Guhannala	274	0.097		1.940		
	39	Kouhapani Alias Ganjkanhar		274A	0.101	2.020				
	40			279A	0.053	1.060				
	41			279	0.012	0.240				
	42	Kallemeta		280	0.010	0.200				
	43	Dongardula		287	0.066	1.320				
	44	Bilbaddar		300	0.076	1.520				
	45			299	0.061	1.220				
	46	Nagari (NP)	298	0.031	0.620					
Dompadar-Manpur	47	Patch-3_1	Birgudi	Banspani	459	0.037	0.740			
	48				456	0.071	1.420			
	49				458	0.032	0.640			
	50				458A	0.042	0.840			
	51		Boirgaon	461	0.142	2.840				
	52			460	0.029	0.580				
	53		Gorsanala	470A	0.076	1.520				
	54			459A	0.016	0.320				
	55	460A	0.022	0.440						
Khadadah-Madamsilli	56	Patch-3_8	Sankra	382	0.050	1.000				
	57	Patch-4_1	Keregaon	Banraot	147	0.032	0.640			
	58	Patch-4_2		Madamsilli	153	0.045	0.900			
	59			Mardapotti	148	0.023	0.460			
	60				149	0.149	2.980			
61	148A				0.022	0.440				
Gobranawapara-Panduka	62	Patch-5_3	Uttar Singpur	Belardona	47	0.029	0.580			
Salna-Karipani	63	Patch-6_1	Sitanadi	Borai	497	0.032	0.640			
	64	Patch-6_2			498	0.041	0.820			
TOTAL FOREST AREA								3.609	72.180	

SCHEDULE OF FOREST LAND - REVENUE FOREST (CJJ + BJJ)											
DHAMTARI DIVISION - REVENUE FOREST AREA STATEMENT											
SPAN NAME	SR. NO.	PATCH NUMBER	DISTRICT	TEHSIL	VILLAGE NAME	KHASRA NUMBER	TYPE OF LAND	DIVERSION AREA (in HA)	LENGTH (KM)		
Dhamtari-Anjora	1	Patch-1_1	Dhamtari	Dhamtari	Achhota	489	Revenue	0.018	0.360		
	2				Bhoyna	13		0.017	0.340		
	3	Patch-1_4		Nagri	Kukral	612		0.004	0.080		
	4	Patch-1_6			Banraud	262		0.002	0.040		
	5	Patch-1_7				311		0.015	0.300		
Anjora-Nagri	6	Patch-2_1		Magarlod	Mulgaon	417		0.008	0.160		
	7				Kallemeta	9		0.006	0.120		
	8	Patch-2_2		356		0.004		0.080			
	9	Patch-2_4		Bilbhaddar		460		0.007	0.140		
	10	Patch-2_5		Nagari (NP)		62		0.002	0.040		
Dompadar-Manpur	11	Patch-3_2		Bhiterras	1163/3	0.002		0.040			
	12	Patch-3_3			1163/1	0.003		0.060			
	13	Patch-3_4			1005	0.001		0.020			
	14	Patch-3_5 & Patch-3_6		Chhipalipara	264/1	0.011		0.220			
	16				214	0.009		0.180			
	18	Patch-3_7		Deopur	212	0.001		0.020			
	20				Sankra	3013		0.002	0.040		
	21	3011		0.014		0.280					
Khadadah-Madamsilli	22	Patch-4_3		Madamsilli	77	0.005		0.100			
Gobranawapara-Panduka	23	Patch-5_1			22	0.011		0.220			
	24	Patch-5_2		Rakadih	54	0.006		0.120			
	25				43/1	0.015		0.300			
	26				30	0.014		0.280			
TOTAL REVENUE AREA								0.177	3.540		
Total Route Length (in KM)		Total Forest Patch Length (in KM)		OFC Cable Trench Width (in KM)			Total Forest Diversion Area (in HA)				
165.460		75.720		0.0005			3.786				
Summary Of Forest And Non Forest Area											
Protected Forest, Reserved Forest & Orange Area (in HA)				Revenue Forest Area (in HA)			Non Forest Area (in HA)				
3.609				0.177			4.487				



सत्यापित प्राप्ते

वन मंडलाधिकारी,
सामान्य वन मण्डल, धमतरी

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
1	P1	Patch-1_1	560824.1168	2285124.105	20° 39' 52.104" N	81° 35' 2.203" E
2	P2		560926.2353	2285015.416	20° 39' 48.557" N	81° 35' 5.718" E
3	P3		561061.329	2284951.283	20° 39' 46.455" N	81° 35' 10.379" E
4	P4		561200.8281	2284896.149	20° 39' 44.645" N	81° 35' 15.194" E
5	P5		561310.7961	2284853.054	20° 39' 43.230" N	81° 35' 18.989" E
6	P6		561429.4866	2284808.254	20° 39' 41.759" N	81° 35' 23.085" E
7	P7	Patch-1_2	563133.805	2284075.531	20° 39' 17.721" N	81° 36' 21.892" E
8	P8		563254.3054	2283986.209	20° 39' 14.801" N	81° 36' 26.044" E
9	P9		563374.7058	2283896.747	20° 39' 11.876" N	81° 36' 30.194" E
10	P10		563495.4546	2283807.755	20° 39' 8.967" N	81° 36' 34.355" E
11	P11		563616.2975	2283718.89	20° 39' 6.062" N	81° 36' 38.519" E
12	P12		563736.9609	2283629.781	20° 39' 3.148" N	81° 36' 42.678" E
13	P13		563857.5487	2283540.57	20° 39' 0.232" N	81° 36' 46.833" E
14	P14		563978.2594	2283451.526	20° 38' 57.321" N	81° 36' 50.993" E
15	P15		564098.9669	2283362.477	20° 38' 54.409" N	81° 36' 55.153" E
16	P16		564219.5841	2283273.306	20° 38' 51.494" N	81° 36' 59.309" E
17	P17		564340.0937	2283183.99	20° 38' 48.574" N	81° 37' 3.462" E
18	P18		564429.1213	2283117.645	20° 38' 46.405" N	81° 37' 6.529" E
19	P19	Patch-1_3	564919.4796	2282760.27	20° 38' 34.719" N	81° 37' 23.427" E
20	P20		565040.859	2282672.14	20° 38' 31.837" N	81° 37' 27.610" E
21	P21		565162.0242	2282583.715	20° 38' 28.946" N	81° 37' 31.785" E
22	P22		565283.2591	2282495.385	20° 38' 26.057" N	81° 37' 35.962" E
23	P23		565404.5678	2282407.157	20° 38' 23.172" N	81° 37' 40.142" E
24	P24		565525.7295	2282318.728	20° 38' 20.281" N	81° 37' 44.317" E
25	P25		565646.9175	2282230.334	20° 38' 17.390" N	81° 37' 48.493" E
26	P26		565768.1226	2282141.963	20° 38' 14.500" N	81° 37' 52.669" E
27	P27		565889.3021	2282053.558	20° 38' 11.609" N	81° 37' 56.845" E
28	P28		566010.6017	2281965.317	20° 38' 8.724" N	81° 38' 1.024" E
29	P29		566131.7771	2281876.906	20° 38' 5.833" N	81° 38' 5.199" E
30	P30		566253.0186	2281788.586	20° 38' 2.944" N	81° 38' 9.377" E
31	P31		566374.2444	2281700.244	20° 38' 0.055" N	81° 38' 13.554" E
32	P32		566495.5682	2281612.037	20° 37' 57.171" N	81° 38' 17.734" E
33	P33		566597.2279	2281538.893	20° 37' 54.778" N	81° 38' 21.237" E
34	P34	Patch-1_4	567088.4767	2280797.596	20° 37' 30.603" N	81° 38' 38.109" E
35	P35		567110.6079	2280762.757	20° 37' 29.467" N	81° 38' 38.869" E
36	P36		567132.7165	2280727.903	20° 37' 28.330" N	81° 38' 39.628" E
37	P37	Patch-1_5	567401.4073	2280163.791	20° 37' 9.946" N	81° 38' 48.834" E
38	P38		567436.0446	2280007.648	20° 37' 4.863" N	81° 38' 50.010" E
39	P39		567471.4386	2279836.387	20° 36' 59.287" N	81° 38' 51.209" E
40	P40		567510.6623	2279645.004	20° 36' 53.057" N	81° 38' 52.538" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
41	P41	Patch-1_5	567544.602	2279476.364	20° 36' 47.567" N	81° 38' 53.687" E
42	P42		567584.5359	2279278.517	20° 36' 41.126" N	81° 38' 55.039" E
43	P43		567621.3617	2279133.454	20° 36' 36.403" N	81° 38' 56.292" E
44	P44		567690.7348	2279000.484	20° 36' 32.069" N	81° 38' 58.670" E
45	P45		567757.6721	2278866.465	20° 36' 27.701" N	81° 39' 0.964" E
46	P46		567776.3107	2278717.878	20° 36' 22.865" N	81° 39' 1.588" E
47	P47		567807.4246	2278571.637	20° 36' 18.104" N	81° 39' 2.642" E
48	P48		567867.0101	2278484.35	20° 36' 15.257" N	81° 39' 4.689" E
49	P49		567986.6044	2278450.359	20° 36' 14.136" N	81° 39' 8.816" E
50	P50		568073.8271	2278378.168	20° 36' 11.777" N	81° 39' 11.819" E
51	P51		568151.2955	2278298.161	20° 36' 9.164" N	81° 39' 14.484" E
52	P52	Patch-1_6	568207.7778	2278242.18	20° 36' 7.336" N	81° 39' 16.427" E
53	P53		568231.1037	2278219.061	20° 36' 6.581" N	81° 39' 17.230" E
54	P54	Patch-1_7	568552.2288	2277854.301	20° 35' 54.674" N	81° 39' 28.273" E
55	P55		568668.6499	2277759.726	20° 35' 51.582" N	81° 39' 32.281" E
56	P56		568796.3749	2277696.883	20° 35' 49.521" N	81° 39' 36.685" E
57	P57	Patch-1_8	569480.6566	2277482.413	20° 35' 42.454" N	81° 40' 0.293" E
58	P58		569623.9192	2277437.963	20° 35' 40.989" N	81° 40' 5.235" E
59	P59		569766.9915	2277392.907	20° 35' 39.505" N	81° 40' 10.171" E
60	P60		569909.7659	2277346.913	20° 35' 37.989" N	81° 40' 15.097" E
61	P61		570050.0394	2277294.168	20° 35' 36.255" N	81° 40' 19.935" E
62	P62		570135.1973	2277249.102	20° 35' 34.778" N	81° 40' 22.870" E
63	P63		570214.3741	2277200.61	20° 35' 33.190" N	81° 40' 25.598" E
64	P64	Patch-1_9	570777.624	2276842.168	20° 35' 21.454" N	81° 40' 45.004" E
65	P65		570922.2201	2276734.987	20° 35' 17.948" N	81° 40' 49.983" E
66	P66		571005.7615	2276568.152	20° 35' 12.510" N	81° 40' 52.845" E
67	P67		571100.4646	2276375.323	20° 35' 6.225" N	81° 40' 56.088" E
68	P68		571198.7558	2276179.905	20° 34' 59.855" N	81° 40' 59.455" E
69	P69		571349.4312	2276022.577	20° 34' 54.717" N	81° 41' 4.637" E
70	P70		571483.8525	2275937.211	20° 34' 51.922" N	81° 41' 9.267" E
71	P71		571620.163	2275852.362	20° 34' 49.143" N	81° 41' 13.963" E
72	P72		571760.559	2275739.437	20° 34' 45.451" N	81° 41' 18.796" E
73	P73		571886.5238	2275620.557	20° 34' 41.567" N	81° 41' 23.130" E
74	P74		572010.5631	2275502.678	20° 34' 37.715" N	81° 41' 27.397" E
75	P75		572105.7776	2275412.118	20° 34' 34.757" N	81° 41' 30.672" E
76	P76		572239.7026	2275325.515	20° 34' 31.921" N	81° 41' 35.285" E
77	P77		572408.8619	2275235.26	20° 34' 28.962" N	81° 41' 41.115" E
78	P78		572529.5047	2275132.217	20° 34' 25.593" N	81° 41' 45.267" E
79	P79		572631.8061	2275043.223	20° 34' 22.684" N	81° 41' 48.787" E
80	P80		572743.7593	2274943.392	20° 34' 19.422" N	81° 41' 52.639" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
81	P81	Patch-1_9	572855.8557	2274843.72	20° 34' 16.164" N	81° 41' 56.496" E
82	P82		572967.8079	2274743.888	20° 34' 12.901" N	81° 42' 0.348" E
83	P83		573079.5897	2274643.864	20° 34' 9.632" N	81° 42' 4.194" E
84	P84		573191.5846	2274544.078	20° 34' 6.370" N	81° 42' 8.047" E
85	P85		573303.4534	2274444.152	20° 34' 3.104" N	81° 42' 11.896" E
86	P86		573415.2072	2274344.096	20° 33' 59.834" N	81° 42' 15.741" E
87	P87		573527.2684	2274244.386	20° 33' 56.575" N	81° 42' 19.596" E
88	P88		573638.9202	2274144.217	20° 33' 53.301" N	81° 42' 23.437" E
89	P89		573750.9203	2274044.438	20° 33' 50.040" N	81° 42' 27.290" E
90	P90		573862.8478	2273944.577	20° 33' 46.776" N	81° 42' 31.141" E
91	P91		573974.8219	2273844.768	20° 33' 43.513" N	81° 42' 34.993" E
92	P92		574086.9966	2273745.185	20° 33' 40.258" N	81° 42' 38.852" E
93	P93		574189.599	2273636.682	20° 33' 36.714" N	81° 42' 42.380" E
94	P94		574267.6344	2273508.583	20° 33' 32.536" N	81° 42' 45.055" E
95	P95		574345.7838	2273380.549	20° 33' 28.361" N	81° 42' 47.735" E
96	P96		574455.2547	2273200.448	20° 33' 22.487" N	81° 42' 51.488" E
97	P97		574548.0536	2273047.122	20° 33' 17.486" N	81° 42' 54.670" E
98	P98		574674.1074	2272908.536	20° 33' 12.961" N	81° 42' 59.002" E
99	P99		574871.6659	2272870.403	20° 33' 11.692" N	81° 43' 5.819" E
100	P100		575031.2851	2272772.409	20° 33' 8.482" N	81° 43' 11.317" E
101	P101		575199.979	2272644.403	20° 33' 4.294" N	81° 43' 17.123" E
102	P102		575358.4942	2272527.473	20° 33' 0.467" N	81° 43' 22.579" E
103	P103		575528.1689	2272401.483	20° 32' 56.345" N	81° 43' 28.419" E
104	P104		575700.7443	2272272.702	20° 32' 52.131" N	81° 43' 34.359" E
105	P105		575883.9229	2272136.438	20° 32' 47.672" N	81° 43' 40.664" E
106	P106		576027.0575	2272030.042	20° 32' 44.190" N	81° 43' 45.590" E
107	P107		576181.9842	2271914.371	20° 32' 40.405" N	81° 43' 50.923" E
108	P108		576302.2844	2271824.772	20° 32' 37.474" N	81° 43' 55.063" E
109	P109		576422.345	2271734.853	20° 32' 34.531" N	81° 43' 59.195" E
110	P110		576542.485	2271645.043	20° 32' 31.592" N	81° 44' 3.330" E
111	P111		576683.5096	2271638.174	20° 32' 31.348" N	81° 44' 8.199" E
112	P112		576829.7431	2271671.577	20° 32' 32.413" N	81° 44' 13.254" E
113	P113		576974.5144	2271709.797	20° 32' 33.635" N	81° 44' 18.259" E
114	P114		577106.6115	2271780.798	20° 32' 35.925" N	81° 44' 22.832" E
115	P115		577238.1607	2271852.873	20° 32' 38.250" N	81° 44' 27.386" E
116	P116		577369.8022	2271924.773	20° 32' 40.570" N	81° 44' 31.943" E
117	P117		577513.9329	2271962.214	20° 32' 41.766" N	81° 44' 36.926" E
118	P118		577663.3913	2271951.792	20° 32' 41.405" N	81° 44' 42.085" E
119	P119		577812.6429	2271936.83	20° 32' 40.896" N	81° 44' 47.237" E
120	P120		577961.9166	2271922.087	20° 32' 40.394" N	81° 44' 52.389" E
121	P121		578111.1808	2271907.247	20° 32' 39.889" N	81° 44' 57.542" E
122	P122		578260.4668	2271892.636	20° 32' 39.392" N	81° 45' 2.694" E
123	P123		578409.8337	2271878.869	20° 32' 38.922" N	81° 45' 7.850" E
124	P124		578559.1987	2271865.082	20° 32' 38.451" N	81° 45' 13.006" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
125	P125	Patch-1_9	578706.2674	2271838.999	20° 32' 37.580" N	81° 45' 18.080" E
126	P126		578831.6804	2271758.316	20° 32' 34.937" N	81° 45' 22.398" E
127	P127		578944.3283	2271659.268	20° 32' 31.698" N	81° 45' 26.272" E
128	P128		579057.0053	2271560.253	20° 32' 28.461" N	81° 45' 30.147" E
129	P129		579169.64	2271461.191	20° 32' 25.221" N	81° 45' 34.021" E
130	P130		579282.1306	2271361.964	20° 32' 21.977" N	81° 45' 37.890" E
131	P131		579394.8028	2271262.945	20° 32' 18.739" N	81° 45' 41.764" E
132	P132		579496.0791	2271153.11	20° 32' 15.151" N	81° 45' 45.244" E
133	P133		579569.9661	2271022.572	20° 32' 10.893" N	81° 45' 47.774" E
134	P134		579644.157	2270892.204	20° 32' 6.642" N	81° 45' 50.315" E
135	P135		579718.338	2270761.831	20° 32' 2.390" N	81° 45' 52.855" E
136	P136		579796.7092	2270634.112	20° 31' 58.223" N	81° 45' 55.541" E
137	P137		579911.3828	2270539.184	20° 31' 55.118" N	81° 45' 59.485" E
138	P138		580054.5315	2270498.211	20° 31' 53.764" N	81° 46' 4.421" E
139	P139		580202.6843	2270515.671	20° 31' 54.309" N	81° 46' 9.540" E
140	P140		580346.6266	2270557.819	20° 31' 55.658" N	81° 46' 14.517" E
141	P141		580494.9679	2270574.786	20° 31' 56.187" N	81° 46' 19.642" E
142	P142		580642.6045	2270548.531	20° 31' 55.310" N	81° 46' 24.735" E
143	P143		580789.6564	2270518.939	20° 31' 54.325" N	81° 46' 29.808" E
144	P144		580936.775	2270489.68	20° 31' 53.351" N	81° 46' 34.883" E
145	P145		581075.031	2270535.21	20° 31' 54.810" N	81° 46' 39.664" E
146	P146		581184.841	2270636.554	20° 31' 58.089" N	81° 46' 43.473" E
147	P147		581300.491	2270731.149	20° 32' 1.148" N	81° 46' 47.482" E
148	P148		581427.5062	2270810.935	20° 32' 3.724" N	81° 46' 51.881" E
149	P149		581520.3509	2270927.359	20° 32' 7.496" N	81° 46' 55.106" E
150	P150		581612.7743	2271045.252	20° 32' 11.317" N	81° 46' 58.317" E
151	P151		581714.7077	2271155.04	20° 32' 14.872" N	81° 47' 1.855" E
152	P152		581826.1859	2271255.398	20° 32' 18.119" N	81° 47' 5.721" E
153	P153		581966.7507	2271277.844	20° 32' 18.827" N	81° 47' 10.578" E
154	P154		582113.9567	2271294.775	20° 32' 19.355" N	81° 47' 15.664" E
155	P155		582255.0278	2271345.744	20° 32' 20.990" N	81° 47' 20.544" E
156	P156		582395.9393	2271397.163	20° 32' 22.641" N	81° 47' 25.419" E
157	P157		582536.9455	2271448.321	20° 32' 24.282" N	81° 47' 30.296" E
158	P158		582678.5703	2271497.563	20° 32' 25.862" N	81° 47' 35.195" E
159	P159		582827.6612	2271512.762	20° 32' 26.333" N	81° 47' 40.346" E
160	P160		582977.1814	2271524.719	20° 32' 26.698" N	81° 47' 45.511" E
161	P161		583120.0745	2271555.306	20° 32' 27.670" N	81° 47' 50.450" E
162	P162		583218.5348	2271668.454	20° 32' 31.335" N	81° 47' 53.869" E
163	P163		583317.1387	2271781.489	20° 32' 34.996" N	81° 47' 57.293" E
164	P164		583416.1741	2271894.148	20° 32' 38.644" N	81° 48' 0.732" E
165	P165		583514.6644	2272007.283	20° 32' 42.309" N	81° 48' 4.153" E
166	P166		583613.4556	2272120.156	20° 32' 45.964" N	81° 48' 7.583" E
167	P167		583712.7917	2272232.546	20° 32' 49.604" N	81° 48' 11.033" E
168	P168		583811.3904	2272345.582	20° 32' 53.265" N	81° 48' 14.457" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
169	P169	Patch-1_9	583909.7433	2272458.837	20° 32' 56.933" N	81° 48' 17.872" E
170	P170		584008.9233	2272571.364	20° 33' 0.577" N	81° 48' 21.317" E
171	P171		584109.0977	2272683.011	20° 33' 4.193" N	81° 48' 24.795" E
172	P172		584209.2504	2272794.678	20° 33' 7.809" N	81° 48' 28.273" E
173	P173		584309.2652	2272906.468	20° 33' 11.429" N	81° 48' 31.746" E
174	P174		584409.2136	2273018.318	20° 33' 15.051" N	81° 48' 35.216" E
175	P175		584541.0822	2273083.799	20° 33' 17.159" N	81° 48' 39.782" E
176	P176		584685.4777	2273124.397	20° 33' 18.456" N	81° 48' 44.775" E
177	P177		584777.8942	2273222.435	20° 33' 21.630" N	81° 48' 47.984" E
178	P178		584863.4533	2273344.592	20° 33' 25.590" N	81° 48' 50.959" E
179	P179		584982.1927	2273401.603	20° 33' 27.425" N	81° 48' 55.070" E
180	P180		585115.4667	2273332.857	20° 33' 25.167" N	81° 48' 59.661" E
181	P181		585249.588	2273265.837	20° 33' 22.965" N	81° 49' 4.281" E
182	P182		585389.6435	2273230.999	20° 33' 21.809" N	81° 49' 9.112" E
183	P183		585537.34	2273257.123	20° 33' 22.635" N	81° 49' 14.217" E
184	P184		585684.8254	2273284.453	20° 33' 23.500" N	81° 49' 19.315" E
185	P185		585832.4558	2273310.901	20° 33' 24.336" N	81° 49' 24.418" E
186	P186		585982.127	2273308.507	20° 33' 24.233" N	81° 49' 29.586" E
187	P187		586132.0673	2273304.39	20° 33' 24.075" N	81° 49' 34.764" E
188	P188		586281.9313	2273298.028	20° 33' 23.843" N	81° 49' 39.938" E
189	P189		586431.8037	2273291.909	20° 33' 23.619" N	81° 49' 45.113" E
190	P190		586581.739	2273287.558	20° 33' 23.453" N	81° 49' 50.290" E
191	P191		586731.7114	2273284.696	20° 33' 23.335" N	81° 49' 55.469" E
192	P192		586881.7086	2273284.25	20° 33' 23.296" N	81° 50' 0.649" E
193	P193		587031.6846	2273282.974	20° 33' 23.229" N	81° 50' 5.828" E
194	P194		587181.219	2273288.906	20° 33' 23.397" N	81° 50' 10.993" E
195	P195		587311.49	2273360.833	20° 33' 25.715" N	81° 50' 15.504" E
196	P196		587434.5814	2273446.533	20° 33' 28.482" N	81° 50' 19.770" E
197	P197		587559.0327	2273530.269	20° 33' 31.185" N	81° 50' 24.083" E
198	P198		587681.5643	2273616.777	20° 33' 33.978" N	81° 50' 28.330" E
199	P199		587803.7708	2273703.741	20° 33' 36.786" N	81° 50' 32.566" E
200	P200		587923.3268	2273794.327	20° 33' 39.712" N	81° 50' 36.711" E
201	P201		588043.2513	2273884.427	20° 33' 42.623" N	81° 50' 40.869" E
202	P202		588162.9075	2273974.883	20° 33' 45.545" N	81° 50' 45.018" E
203	P203		588282.1613	2274065.862	20° 33' 48.484" N	81° 50' 49.152" E
204	P204		588399.8982	2274158.798	20° 33' 51.487" N	81° 50' 53.235" E
205	P205		588517.657	2274251.709	20° 33' 54.489" N	81° 50' 57.319" E
206	P206		588635.7624	2274344.181	20° 33' 57.477" N	81° 51' 1.414" E
207	P207		588754.5326	2274435.797	20° 34' 0.437" N	81° 51' 5.533" E
208	P208		588873.3396	2274527.365	20° 34' 3.395" N	81° 51' 9.653" E
209	P209		588991.6853	2274619.53	20° 34' 6.373" N	81° 51' 13.757" E
210	P210		589110.5392	2274711.037	20° 34' 9.329" N	81° 51' 17.878" E
211	P211		589229.6444	2274802.217	20° 34' 12.274" N	81° 51' 22.008" E
212	P212		589323.5874	2274873.865	20° 34' 14.589" N	81° 51' 25.266" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
213	P213	Patch-1_9	589410.2687	2274931.459	20° 34' 16.447" N	81° 51' 28.270" E
214	P214		590065.9852	2275278.877	20° 34' 27.635" N	81° 51' 50.980" E
215	P215		590198.7179	2275348.744	20° 34' 29.884" N	81° 51' 55.577" E
216	P216		590331.7271	2275418.088	20° 34' 32.117" N	81° 52' 0.184" E
217	P217		590464.833	2275487.246	20° 34' 34.343" N	81° 52' 4.794" E
218	P218		590597.2699	2275557.672	20° 34' 36.611" N	81° 52' 9.381" E
219	P219		590729.3578	2275628.753	20° 34' 38.900" N	81° 52' 13.956" E
220	P220		590862.5394	2275697.338	20° 34' 41.108" N	81° 52' 18.569" E
221	P221		590954.2296	2275702.184	20° 34' 41.249" N	81° 52' 21.737" E
222	P1	Patch-2_1	591151.8255	2275649.296	20° 34' 39.495" N	81° 52' 28.552" E
223	P2		591145.2339	2275499.547	20° 34' 34.625" N	81° 52' 28.296" E
224	P3		591135.1278	2275349.888	20° 34' 29.759" N	81° 52' 27.919" E
225	P4		591124.9878	2275200.231	20° 34' 24.893" N	81° 52' 27.542" E
226	P5		591115.2209	2275050.549	20° 34' 20.026" N	81° 52' 27.177" E
227	P6		591104.5702	2274900.928	20° 34' 15.161" N	81° 52' 26.781" E
228	P7		591093.3162	2274751.351	20° 34' 10.298" N	81° 52' 26.365" E
229	P8		591054.934	2274610.071	20° 34' 5.709" N	81° 52' 25.013" E
230	P9		590955.4264	2274497.839	20° 34' 2.076" N	81° 52' 21.555" E
231	P10		590855.0148	2274386.407	20° 33' 58.469" N	81° 52' 18.067" E
232	P11		590756.9184	2274272.949	20° 33' 54.796" N	81° 52' 14.658" E
233	P12		590681.1309	2274146.233	20° 33' 50.688" N	81° 52' 12.017" E
234	P13		590643.4171	2274001.051	20° 33' 45.972" N	81° 52' 10.688" E
235	P14		590605.8594	2273855.83	20° 33' 41.255" N	81° 52' 9.364" E
236	P15		590568.3125	2273710.605	20° 33' 36.538" N	81° 52' 8.041" E
237	P16		590531.7798	2273565.123	20° 33' 31.812" N	81° 52' 6.753" E
238	P17		590493.75	2273420.027	20° 33' 27.099" N	81° 52' 5.413" E
239	P18		590457.151	2273274.561	20° 33' 22.374" N	81° 52' 4.122" E
240	P19		590421.3835	2273128.889	20° 33' 17.642" N	81° 52' 2.860" E
241	P20		590385.8227	2272983.165	20° 33' 12.908" N	81° 52' 1.605" E
242	P21		590350.8246	2272837.305	20° 33' 8.170" N	81° 52' 0.370" E
243	P22		590315.3772	2272691.554	20° 33' 3.436" N	81° 51' 59.119" E
244	P23		590309.9592	2272543.42	20° 32' 58.618" N	81° 51' 58.905" E
245	P24		590337.4894	2272395.969	20° 32' 53.817" N	81° 51' 59.828" E
246	P25		590364.8636	2272248.488	20° 32' 49.016" N	81° 52' 0.747" E
247	P26		590392.3838	2272101.035	20° 32' 44.215" N	81° 52' 1.670" E
248	P27		590418.8885	2271953.396	20° 32' 39.408" N	81° 52' 2.558" E
249	P28		590444.963	2271805.681	20° 32' 34.599" N	81° 52' 3.431" E
250	P29		590471.7897	2271658.099	20° 32' 29.794" N	81° 52' 4.331" E
251	P30		590499.3452	2271510.653	20° 32' 24.993" N	81° 52' 5.255" E
252	P31		590526.4047	2271363.114	20° 32' 20.190" N	81° 52' 6.162" E
253	P32		590557.8585	2271216.857	20° 32' 15.427" N	81° 52' 7.222" E
254	P33		590666.3635	2271115.146	20° 32' 12.100" N	81° 52' 10.950" E
255	P34		590784.8682	2271023.186	20° 32' 9.089" N	81° 52' 15.025" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
256	P35	Patch-2_1	590903.4299	2270931.3	20° 32' 6.079" N	81° 52' 19.102" E
257	P36		591022.5041	2270840.08	20° 32' 3.092" N	81° 52' 23.196" E
258	P37		591142.1762	2270749.645	20° 32' 0.129" N	81° 52' 27.312" E
259	P38		591226.0659	2270632.804	20° 31' 56.314" N	81° 52' 30.187" E
260	P39		591239.8817	2270483.443	20° 31' 51.454" N	81° 52' 30.636" E
261	P40		591254.8995	2270334.199	20° 31' 46.597" N	81° 52' 31.127" E
262	P41		591269.2444	2270184.888	20° 31' 41.738" N	81° 52' 31.595" E
263	P42		591282.1966	2270035.452	20° 31' 36.875" N	81° 52' 32.014" E
264	P43		591293.9385	2269885.913	20° 31' 32.009" N	81° 52' 32.392" E
265	P44		591303.8196	2269736.241	20° 31' 27.139" N	81° 52' 32.705" E
266	P45		591313.3259	2269586.547	20° 31' 22.268" N	81° 52' 33.006" E
267	P46		591325.0354	2269437.005	20° 31' 17.402" N	81° 52' 33.383" E
268	P47		591336.5096	2269287.445	20° 31' 12.535" N	81° 52' 33.751" E
269	P48		591348.8852	2269137.957	20° 31' 7.671" N	81° 52' 34.151" E
270	P49		591361.2994	2268988.471	20° 31' 2.806" N	81° 52' 34.552" E
271	P50		591374.4041	2268839.046	20° 30' 57.944" N	81° 52' 34.976" E
272	P51		591387.8715	2268689.651	20° 30' 53.082" N	81° 52' 35.414" E
273	P52		591400.7347	2268540.205	20° 30' 48.219" N	81° 52' 35.830" E
274	P53		591414.505	2268390.839	20° 30' 43.358" N	81° 52' 36.278" E
275	P54		591427.8089	2268241.432	20° 30' 38.496" N	81° 52' 36.710" E
276	P55		591440.2402	2268091.948	20° 30' 33.632" N	81° 52' 37.111" E
277	P56		591453.6119	2267942.545	20° 30' 28.770" N	81° 52' 37.545" E
278	P57		591467.2314	2267793.166	20° 30' 23.909" N	81° 52' 37.988" E
279	P58		591477.0488	2267643.59	20° 30' 19.042" N	81° 52' 38.299" E
280	P59		591420.2032	2267505.769	20° 30' 14.569" N	81° 52' 36.311" E
281	P60		591352.8882	2267371.723	20° 30' 10.221" N	81° 52' 33.962" E
282	P61		591285.2153	2267237.859	20° 30' 5.879" N	81° 52' 31.601" E
283	P62		591217.4903	2267104.018	20° 30' 1.537" N	81° 52' 29.239" E
284	P63		591150.0134	2266970.053	20° 29' 57.191" N	81° 52' 26.884" E
285	P64		591082.5963	2266836.058	20° 29' 52.845" N	81° 52' 24.532" E
286	P65		591015.983	2266701.661	20° 29' 48.485" N	81° 52' 22.208" E
287	P66		590948.6521	2266567.623	20° 29' 44.137" N	81° 52' 19.859" E
288	P67		590881.389	2266433.558	20° 29' 39.788" N	81° 52' 17.513" E
289	P68		590813.6359	2266299.733	20° 29' 35.447" N	81° 52' 15.149" E
290	P69		590745.7927	2266165.957	20° 29' 31.107" N	81° 52' 12.783" E
291	P70		590684.65	2266029.679	20° 29' 26.685" N	81° 52' 10.647" E
292	P71		590718.4901	2265884.094	20° 29' 21.944" N	81° 52' 11.788" E
293	P72		590754.3489	2265738.597	20° 29' 17.205" N	81° 52' 13.000" E
294	P73		590791.598	2265593.522	20° 29' 12.480" N	81° 52' 14.259" E
295	P74		590827.6678	2265447.925	20° 29' 7.738" N	81° 52' 15.477" E
296	P75		590864.9686	2265302.64	20° 29' 3.006" N	81° 52' 16.738" E
297	P76		590902.0982	2265157.308	20° 28' 58.272" N	81° 52' 17.993" E
298	P77		590939.4177	2265012.025	20° 28' 53.540" N	81° 52' 19.254" E
299	P78		590976.7799	2264866.753	20° 28' 48.809" N	81° 52' 20.517" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
300	P79	Patch-2_1	591014.0086	2264721.446	20° 28' 44.076" N	81° 52' 21.775" E
301	P80		591050.2683	2264575.898	20° 28' 39.335" N	81° 52' 23.000" E
302	P81		591086.336	2264430.306	20° 28' 34.593" N	81° 52' 24.218" E
303	P82		591122.2207	2264284.664	20° 28' 29.850" N	81° 52' 25.430" E
304	P83		591158.7585	2264139.184	20° 28' 25.112" N	81° 52' 26.665" E
305	P84		591194.7916	2263993.578	20° 28' 20.369" N	81° 52' 27.881" E
306	P85		591231.3374	2263848.099	20° 28' 15.631" N	81° 52' 29.116" E
307	P86		591267.5079	2263702.526	20° 28' 10.890" N	81° 52' 30.338" E
308	P87		591303.3258	2263556.869	20° 28' 6.146" N	81° 52' 31.547" E
309	P88		591339.4858	2263411.298	20° 28' 1.405" N	81° 52' 32.768" E
310	P89		591375.1561	2263265.603	20° 27' 56.660" N	81° 52' 33.972" E
311	P90		591408.5997	2263119.385	20° 27' 51.898" N	81° 52' 35.100" E
312	P91		591439.975	2262972.704	20° 27' 47.121" N	81° 52' 36.155" E
313	P92		591471.7107	2262826.099	20° 27' 42.347" N	81° 52' 37.224" E
314	P93		591502.92	2262679.384	20° 27' 37.570" N	81° 52' 38.274" E
315	P94		591532.8339	2262532.398	20° 27' 32.784" N	81° 52' 39.279" E
316	P95		591563.9407	2262385.66	20° 27' 28.005" N	81° 52' 40.325" E
317	P96		591594.8434	2262238.878	20° 27' 23.226" N	81° 52' 41.365" E
318	P97		591629.0681	2262092.844	20° 27' 18.470" N	81° 52' 42.519" E
319	P98		591666.0144	2261947.467	20° 27' 13.735" N	81° 52' 43.767" E
320	P99		591704.2901	2261802.453	20° 27' 9.011" N	81° 52' 45.061" E
321	P100		591740.011	2261656.776	20° 27' 4.266" N	81° 52' 46.267" E
322	P101		591777.1979	2261511.462	20° 26' 59.533" N	81° 52' 47.523" E
323	P102		591816.7417	2261366.857	20° 26' 54.823" N	81° 52' 48.861" E
324	P103		591901.7101	2261244.001	20° 26' 50.812" N	81° 52' 51.771" E
325	P104		591996.9989	2261128.289	20° 26' 47.032" N	81° 52' 55.038" E
326	P105		592088.2421	2261009.289	20° 26' 43.145" N	81° 52' 58.164" E
327	P106		592181.3453	2260891.681	20° 26' 39.303" N	81° 53' 1.355" E
328	P107		592274.4094	2260774.042	20° 26' 35.461" N	81° 53' 4.545" E
329	P108		592367.4662	2260656.398	20° 26' 31.618" N	81° 53' 7.734" E
330	P109		592460.5867	2260538.805	20° 26' 27.777" N	81° 53' 10.926" E
331	P110		592553.87	2260421.342	20° 26' 23.939" N	81° 53' 14.123" E
332	P111		592646.466	2260303.334	20° 26' 20.085" N	81° 53' 17.296" E
333	P112		592739.6934	2260185.826	20° 26' 16.246" N	81° 53' 20.491" E
334	P113		592832.8306	2260068.245	20° 26' 12.405" N	81° 53' 23.683" E
335	P114		592925.1622	2259950.034	20° 26' 8.544" N	81° 53' 26.847" E
336	P115		593018.206	2259832.38	20° 26' 4.701" N	81° 53' 30.036" E
337	P116		593110.1619	2259713.895	20° 26' 0.831" N	81° 53' 33.186" E
338	P117		593203.1842	2259596.261	20° 25' 56.988" N	81° 53' 36.374" E
339	P118		593298.4874	2259480.555	20° 25' 53.207" N	81° 53' 39.641" E
340	P119		593408.5206	2259378.654	20° 25' 49.873" N	81° 53' 43.419" E
341	P120		593520.6278	2259278.999	20° 25' 46.612" N	81° 53' 47.268" E
342	P121		593632.0929	2259178.627	20° 25' 43.328" N	81° 53' 51.095" E
343	P122		593743.3408	2259078.01	20° 25' 40.035" N	81° 53' 54.915" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
344	P123	Patch-2_1	593854.7143	2258977.534	20° 25' 36.747" N	81° 53' 58.739" E
345	P124		593965.2317	2258876.174	20° 25' 33.430" N	81° 54' 2.533" E
346	P125		594066.902	2258765.897	20° 25' 29.825" N	81° 54' 6.020" E
347	P126		594168.3912	2258655.444	20° 25' 26.215" N	81° 54' 9.501" E
348	P127		594237.47	2258580.231	20° 25' 23.756" N	81° 54' 11.870" E
349	P128		594309.3138	2258502.915	20° 25' 21.228" N	81° 54' 14.335" E
350	P129	Patch-2_2	595166.5696	2257567.284	20° 24' 50.641" N	81° 54' 43.734" E
351	P130		595192.3115	2257539.009	20° 24' 49.717" N	81° 54' 44.617" E
352	P131		595218.0248	2257510.707	20° 24' 48.792" N	81° 54' 45.498" E
353	P132	Patch-2_3	595304.0725	2257415.994	20° 24' 45.695" N	81° 54' 48.449" E
354	P133		595405.0434	2257305.067	20° 24' 42.069" N	81° 54' 51.911" E
355	P134		595505.8033	2257193.949	20° 24' 38.437" N	81° 54' 55.366" E
356	P135		595606.8517	2257083.098	20° 24' 34.813" N	81° 54' 58.831" E
357	P136		595707.5561	2256971.929	20° 24' 31.179" N	81° 55' 2.284" E
358	P137		595808.4443	2256860.928	20° 24' 27.550" N	81° 55' 5.743" E
359	P138		595908.8796	2256749.518	20° 24' 23.908" N	81° 55' 9.187" E
360	P139		596009.918	2256638.663	20° 24' 20.284" N	81° 55' 12.651" E
361	P140		596110.8752	2256527.724	20° 24' 16.657" N	81° 55' 16.113" E
362	P141		596194.7887	2256435.558	20° 24' 13.644" N	81° 55' 18.990" E
363	P142	Patch-2_4	597179.731	2254772.053	20° 23' 19.355" N	81° 55' 52.645" E
364	P143		597194.531	2254622.785	20° 23' 14.497" N	81° 55' 53.126" E
365	P144		597208.4806	2254473.439	20° 23' 9.637" N	81° 55' 53.578" E
366	P145		597238.215	2254326.887	20° 23' 4.865" N	81° 55' 54.575" E
367	P146		597287.6874	2254185.287	20° 23' 0.250" N	81° 55' 56.254" E
368	P147		597338.1478	2254044.03	20° 22' 55.646" N	81° 55' 57.967" E
369	P148		597388.1891	2253902.624	20° 22' 51.038" N	81° 55' 59.666" E
370	P149		597438.7552	2253761.404	20° 22' 46.435" N	81° 56' 1.382" E
371	P150		597489.0363	2253620.083	20° 22' 41.829" N	81° 56' 3.089" E
372	P151		597539.1594	2253478.706	20° 22' 37.221" N	81° 56' 4.790" E
373	P152		597588.3478	2253337.005	20° 22' 32.603" N	81° 56' 6.459" E
374	P153		597637.0014	2253195.115	20° 22' 27.979" N	81° 56' 8.110" E
375	P154		597685.6605	2253053.229	20° 22' 23.355" N	81° 56' 9.760" E
376	P155		597734.9343	2252911.554	20° 22' 18.738" N	81° 56' 11.432" E
377	P156		597784.4976	2252769.983	20° 22' 14.124" N	81° 56' 13.114" E
378	P157		597834.9829	2252628.736	20° 22' 9.520" N	81° 56' 14.827" E
379	P158		597885.7615	2252487.594	20° 22' 4.920" N	81° 56' 16.551" E
380	P159		597937.8685	2252346.942	20° 22' 0.335" N	81° 56' 18.320" E
381	P160		597991.8257	2252206.986	20° 21' 55.773" N	81° 56' 20.154" E
382	P161		598045.7729	2252067.026	20° 21' 51.211" N	81° 56' 21.987" E
383	P162		598098.9517	2251926.77	20° 21' 46.639" N	81° 56' 23.794" E
384	P163		598153.2563	2251786.95	20° 21' 42.081" N	81° 56' 25.639" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
385	P164	Patch-2_4	598206.503	2251646.721	20° 21' 37.510" N	81° 56' 27.448" E
386	P165		598239.83	2251559.096	20° 21' 34.653" N	81° 56' 28.580" E
387	P166		598281.2972	2251462.172	20° 21' 31.493" N	81° 56' 29.991" E
388	P167	Patch-2_5	599973.4461	2250469.161	20° 20' 58.877" N	81° 57' 28.153" E
389	P168		599971.1665	2250509.8	20° 21' 0.199" N	81° 57' 28.082" E
390	P1	Patch-3_1	581666.1167	2251089.075	20° 21' 22.186" N	81° 46' 56.871" E
391	P2		581794.664	2251166.183	20° 21' 24.675" N	81° 47' 1.317" E
392	P3		581915.8135	2251254.595	20° 21' 27.532" N	81° 47' 5.510" E
393	P4		582033.0014	2251348.14	20° 21' 30.556" N	81° 47' 9.568" E
394	P5		582142.994	2251449.899	20° 21' 33.849" N	81° 47' 13.378" E
395	P6		582245.1375	2251559.723	20° 21' 37.406" N	81° 47' 16.919" E
396	P7		582346.5444	2251670.252	20° 21' 40.985" N	81° 47' 20.435" E
397	P8		582451.0429	2251777.817	20° 21' 44.468" N	81° 47' 24.057" E
398	P9		582571.7492	2251866.126	20° 21' 47.321" N	81° 47' 28.235" E
399	P10		582713.2082	2251913.23	20° 21' 48.831" N	81° 47' 33.122" E
400	P11		582842.6683	2251841.862	20° 21' 46.490" N	81° 47' 37.576" E
401	P12		582964.1505	2251753.878	20° 21' 43.609" N	81° 47' 41.751" E
402	P13		583086.544	2251667.162	20° 21' 40.769" N	81° 47' 45.958" E
403	P14		583199.2028	2251570.087	20° 21' 37.593" N	81° 47' 49.828" E
404	P15		583281.0845	2251444.457	20° 21' 33.494" N	81° 47' 52.631" E
405	P16		583398.0683	2251352.871	20° 21' 30.497" N	81° 47' 56.650" E
406	P17		583525.3223	2251273.461	20° 21' 27.893" N	81° 48' 1.026" E
407	P18		583650.9277	2251192.473	20° 21' 25.239" N	81° 48' 5.345" E
408	P19		583798.7487	2251176.112	20° 21' 24.684" N	81° 48' 10.440" E
409	P20		583944.8422	2251151.202	20° 21' 23.850" N	81° 48' 15.475" E
410	P21		584086.42	2251101.672	20° 21' 22.217" N	81° 48' 20.350" E
411	P22		584228.5582	2251053.753	20° 21' 20.635" N	81° 48' 25.244" E
412	P23		584370.9466	2251006.578	20° 21' 19.078" N	81° 48' 30.147" E
413	P24		584577.4227	2251041.287	20° 21' 20.174" N	81° 48' 37.274" E
414	P25		584755.9049	2251082.593	20° 21' 21.489" N	81° 48' 43.437" E
415	P26		584982.9828	2251120.728	20° 21' 22.693" N	81° 48' 51.275" E
416	P27	Patch-3_2	585201.3196	2250989.77	20° 21' 18.398" N	81° 48' 58.783" E
417	P28		585434.9637	2250834.758	20° 21' 13.318" N	81° 49' 6.815" E
418	P29		585616.8959	2250746.727	20° 21' 10.425" N	81° 49' 13.074" E
419	P30		585815.0181	2250752.956	20° 21' 10.596" N	81° 49' 19.909" E
420	P31		585964.9062	2250758.749	20° 21' 10.760" N	81° 49' 25.079" E
421	P32		586114.8566	2250757.733	20° 21' 10.702" N	81° 49' 30.251" E
422	P33		586264.2041	2250744.046	20° 21' 10.233" N	81° 49' 35.399" E
423	P34		586413.1222	2250726.159	20° 21' 9.627" N	81° 49' 40.532" E
424	P35		586558.0069	2250687.727	20° 21' 8.353" N	81° 49' 45.522" E
425	P36		586700.7248	2250641.74	20° 21' 6.834" N	81° 49' 50.436" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
426	P37	Patch-3_2	586842.198	2250592.173	20° 21' 5.198" N	81° 49' 55.307" E
427	P38		586990.2811	2250569.653	20° 21' 4.441" N	81° 50' 0.410" E
428	P39		587139.1985	2250551.676	20° 21' 3.832" N	81° 50' 5.543" E
429	P40		587288.0737	2250533.341	20° 21' 3.211" N	81° 50' 10.674" E
430	P41		587492.2876	2250518.971	20° 21' 2.710" N	81° 50' 17.715" E
431	P42		587678.0332	2250522.601	20° 21' 2.797" N	81° 50' 24.122" E
432	P43		587878.678	2250546.513	20° 21' 3.542" N	81° 50' 31.046" E
433	P44		587928.3432	2250417.816	20° 20' 59.347" N	81° 50' 32.736" E
434	P45		587976.1286	2250235.629	20° 20' 53.413" N	81° 50' 34.352" E
435	P46		588036.416	2250017.988	20° 20' 46.324" N	81° 50' 36.392" E
436	P47		588182.3003	2249760.935	20° 20' 37.939" N	81° 50' 41.378" E
437	P48		588355.6185	2249472.069	20° 20' 28.514" N	81° 50' 47.304" E
438	P49		588497.9348	2249229.302	20° 20' 20.593" N	81° 50' 52.169" E
439	P50		588639.2404	2248949.154	20° 20' 11.457" N	81° 50' 56.992" E
440	P51		588823.3241	2248723.236	20° 20' 4.078" N	81° 51' 3.300" E
441	P52		589069.8527	2248539.087	20° 19' 58.046" N	81° 51' 11.769" E
442	P53		594748.1845	2246084.638	20° 18' 37.225" N	81° 54' 27.115" E
443	P54		594785.721	2246074.168	20° 18' 36.878" N	81° 54' 28.407" E
444	P55	Patch-3_3	594805.9312	2246068.502	20° 18' 36.690" N	81° 54' 29.103" E
445	P56		594838.338	2246059.413	20° 18' 36.388" N	81° 54' 30.219" E
446	P57		594870.8252	2246050.638	20° 18' 36.097" N	81° 54' 31.337" E
447	P58	Patch-3_4	595132.1433	2246541.776	20° 18' 52.025" N	81° 54' 40.441" E
448	P59		595130.819	2246565.654	20° 18' 52.802" N	81° 54' 40.399" E
449	P60	Patch-3_5	595360.5739	2247416.386	20° 19' 20.432" N	81° 54' 48.484" E
450	P61		595358.0925	2247482.91	20° 19' 22.597" N	81° 54' 48.411" E
451	P62		595386.2264	2247543.326	20° 19' 24.557" N	81° 54' 49.393" E
452	P63	Patch-3_6	595482.6227	2247583.318	20° 19' 25.840" N	81° 54' 52.724" E
453	P64		595524.5251	2247591.152	20° 19' 26.087" N	81° 54' 54.170" E
454	P65		595567.1053	2247592.262	20° 19' 26.116" N	81° 54' 55.639" E
455	P66	Patch-3_7	597382.459	2247763.162	20° 19' 31.344" N	81° 55' 58.269" E
456	P67		597465.2993	2247816.039	20° 19' 33.048" N	81° 56' 1.136" E
457	P68		597546.4576	2247873.143	20° 19' 34.891" N	81° 56' 3.945" E
458	P69	Patch-3_8	603980.7725	2243861.067	20° 17' 23.169" N	81° 59' 44.977" E
459	P70		604059.5582	2243733.437	20° 17' 19.003" N	81° 59' 47.667" E
460	P71		604134.6101	2243603.59	20° 17' 14.764" N	81° 59' 50.227" E
461	P72		604207.9058	2243472.736	20° 17' 10.494" N	81° 59' 52.726" E
462	P73		604295.9502	2243351.717	20° 17' 6.540" N	81° 59' 55.736" E
463	P74		604399.8219	2243243.548	20° 17' 3.001" N	81° 59' 59.294" E

DGPS Survey Points						
Dhamtari Division						
Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
464	P75	Patch-3_8	604505.4143	2243137.038	20° 16' 59.516" N	82° 0' 2.912" E
465	P76		604614.0659	2243033.653	20° 16' 56.132" N	82° 0' 6.636" E
466	P77		604719.0102	2242926.493	20° 16' 52.626" N	82° 0' 10.231" E
467	P78		604801.1573	2242845.528	20° 16' 49.976" N	82° 0' 13.046" E
468	P1	Patch-4_1	570238.444	2277156.239	20° 35' 31.743" N	81° 40' 26.424" E
469	P2		570126.2861	2277226.152	20° 35' 34.032" N	81° 40' 22.559" E
470	P3		570040.9768	2277271.957	20° 35' 35.534" N	81° 40' 19.619" E
471	P4		569893.4734	2277327.39	20° 35' 37.357" N	81° 40' 14.531" E
472	P5		569755.7017	2277371.705	20° 35' 38.816" N	81° 40' 9.778" E
473	P6		569613.6117	2277416.399	20° 35' 40.289" N	81° 40' 4.876" E
474	P7	Patch-4_2	569001.2541	2275964.031	20° 34' 53.128" N	81° 39' 43.519" E
475	P8		569019.532	2275836.589	20° 34' 48.981" N	81° 39' 44.132" E
476	P9		569034.5182	2275733.768	20° 34' 45.634" N	81° 39' 44.636" E
477	P10		569050.8847	2275621.545	20° 34' 41.981" N	81° 39' 45.185" E
478	P11		569064.2293	2275520.699	20° 34' 38.699" N	81° 39' 45.632" E
479	P12		569081.9104	2275402.243	20° 34' 34.844" N	81° 39' 46.226" E
480	P13		569096.3461	2275304.156	20° 34' 31.652" N	81° 39' 46.711" E
481	P14		569116.9856	2275161.666	20° 34' 27.014" N	81° 39' 47.404" E
482	P15		569121.6368	2275025.355	20° 34' 22.579" N	81° 39' 47.545" E
483	P16		569121.3222	2274922.572	20° 34' 19.236" N	81° 39' 47.520" E
484	P17		569120.8697	2274772.573	20° 34' 14.357" N	81° 39' 47.483" E
485	P18		569120.0758	2274622.577	20° 34' 9.478" N	81° 39' 47.435" E
486	P19		569158.5022	2274478.866	20° 34' 4.798" N	81° 39' 48.742" E
487	P20		569210.3102	2274338.097	20° 34' 0.213" N	81° 39' 50.511" E
488	P21		569240.3999	2274192.097	20° 33' 55.460" N	81° 39' 51.530" E
489	P22		569253.0382	2274042.631	20° 33' 50.596" N	81° 39' 51.945" E
490	P23		569265.9601	2273893.188	20° 33' 45.733" N	81° 39' 52.371" E
491	P24		569278.8903	2273743.747	20° 33' 40.871" N	81° 39' 52.796" E
492	P25		569291.54	2273594.281	20° 33' 36.007" N	81° 39' 53.212" E
493	P26		569303.9848	2273444.799	20° 33' 31.143" N	81° 39' 53.621" E
494	P27		569314.6809	2273295.182	20° 33' 26.275" N	81° 39' 53.969" E
495	P28		569324.7778	2273145.522	20° 33' 21.406" N	81° 39' 54.297" E
496	P29		569334.5076	2272995.839	20° 33' 16.536" N	81° 39' 54.612" E
497	P30		569344.6112	2272846.179	20° 33' 11.666" N	81° 39' 54.940" E
498	P31		569353.6013	2272696.45	20° 33' 6.795" N	81° 39' 55.229" E
499	P32		569362.8226	2272546.733	20° 33' 1.923" N	81° 39' 55.526" E
500	P33		569371.1969	2272396.969	20° 32' 57.051" N	81° 39' 55.795" E
501	P34		569379.4631	2272247.211	20° 32' 52.178" N	81° 39' 56.059" E
502	P35		569498.1972	2272185.191	20° 32' 50.145" N	81° 40' 0.151" E
503	P36		569634.6067	2272231.371	20° 32' 51.629" N	81° 40' 4.868" E
504	P37		569747.8485	2272267.127	20° 32' 52.777" N	81° 40' 8.784" E
505	P38		569641.2176	2272179.357	20° 32' 49.936" N	81° 40' 5.089" E

DGPS Survey Points

Dhamtari Division

Sr.No.	Point ID	Patch No	UTM Coordinates		Geographical Coordinates	
			Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
506	P39	Patch-4_2	569515.4256	2272104.698	20° 32' 47.525" N	81° 40' 0.734" E
507	P40		569434.7856	2271980.229	20° 32' 43.487" N	81° 39' 57.932" E
508	P41		569290.3017	2271955.163	20° 32' 42.690" N	81° 39' 52.939" E
509	P42		569159.1383	2271956.593	20° 32' 42.754" N	81° 39' 48.410" E
510	P43		569071.4921	2271986.073	20° 32' 43.725" N	81° 39' 45.387" E
511	P44		568978.2053	2272009.687	20° 32' 44.505" N	81° 39' 42.169" E
512	P45	Patch-4_3	568839.4794	2271957.909	20° 32' 42.839" N	81° 39' 37.371" E
513	P46		568786.2087	2271939.566	20° 32' 42.250" N	81° 39' 35.529" E
514	P47		568732.5508	2271922.397	20° 32' 41.698" N	81° 39' 33.673" E
515	P1	Patch-5_1	586359.6229	2302501.863	20° 49' 13.717" N	81° 49' 47.782" E
516	P2		586366.472	2302397.433	20° 49' 10.319" N	81° 49' 48.001" E
517	P3		586373.8231	2302285.348	20° 49' 6.672" N	81° 49' 48.235" E
518	P4	Patch-5_2	586374.6855	2302272.2	20° 49' 6.244" N	81° 49' 48.263" E
519	P5		586384.4138	2302122.516	20° 49' 1.374" N	81° 49' 48.573" E
520	P6		586392.0005	2301972.726	20° 48' 56.501" N	81° 49' 48.808" E
521	P7		586381.9415	2301823.375	20° 48' 51.645" N	81° 49' 48.434" E
522	P8		586297.294	2301701.268	20° 48' 47.687" N	81° 49' 45.484" E
523	P9		586228.427	2301619.364	20° 48' 45.035" N	81° 49' 43.087" E
524	P10	Patch-5_3	591133.9829	2294144.703	20° 44' 41.076" N	81° 52' 31.379" E
525	P11		591272.7557	2294105.122	20° 44' 39.764" N	81° 52' 36.170" E
526	P12		591449.7845	2294051.915	20° 44' 38.002" N	81° 52' 42.281" E
527	P13		591586.5032	2294007.056	20° 44' 36.519" N	81° 52' 47.000" E
528	P14		591678.9691	2293974.017	20° 44' 35.428" N	81° 52' 50.191" E
529	P1	Patch-6_1	592273.2176	2221956.936	20° 5' 32.849" N	81° 52' 57.355" E
530	P2		592294.1865	2221804.076	20° 5' 27.873" N	81° 52' 58.049" E
531	P3		592247.3754	2221664.57	20° 5' 23.343" N	81° 52' 56.412" E
532	P4		592173.0526	2221534.301	20° 5' 19.119" N	81° 52' 53.830" E
533	P5		592123.7461	2221448.912	20° 5' 16.350" N	81° 52' 52.116" E
534	P6		592077.272	2221367.142	20° 5' 13.698" N	81° 52' 50.501" E
535	P7	Patch-6_2	591945.7225	2221072.281	20° 5' 4.129" N	81° 52' 45.919" E
536	P8		591909.0745	2220926.885	20° 4' 59.406" N	81° 52' 44.630" E
537	P9		591866.3689	2220783.219	20° 4' 54.740" N	81° 52' 43.134" E
538	P10		591797.7611	2220649.846	20° 4' 50.414" N	81° 52' 40.748" E
539	P11		591726.4068	2220517.914	20° 4' 46.135" N	81° 52' 38.267" E
540	P12		591673.3849	2220420.723	20° 4' 42.982" N	81° 52' 36.424" E
541	P13		591623.0494	2220321.042	20° 4' 39.748" N	81° 52' 34.673" E


सत्याप्रित प्रति
 वन मंडलाधिकारी,
 सामान्य वन मण्डल, धमतरी

