83°27'40"E 83°28'0"E 83°28'20"E 83°28'40"E

DGPS SURVEYED RESERVE FOREST AREA OF PATCH-1 PROPOSED FOR DIVERSION BY SAMBALPUR-TITLAGARH DOUBLING OF RAILWAY LINE COMING UNDER BALANGIR FOREST DIVISION

N W E S

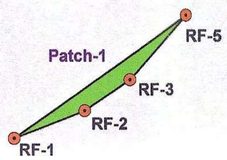
Scale:-1:4000

0 25 50 100

Meters

20°38'0"N

20°37'40"N



Area Statistics of Patch-1

SL. NO.	R.F. NAME	Patch No	Mentioned Area in Plan map in Acr.	Mentioned Area in Plan map in Hac.	Calculated Area in Hac.
1	Baranai	1	0.549	0.222	0.216

CO-ORDINATES OF RF BOUNDARY POINT OF PATCH-1

SL NO	UTM CO-ORDINATES		GEO GRAPHICS CO-ORDINATES	
	EASTING	NORTHING	LONGITUDE	LATITUDE
RF-1	756922.592	2283307.463	83°27'55.88172"	20°37'53.18004"
RF-2	756988.918	2283333.201	83°27'58.18500"	20°37'53.98356"
RF-3	757031.186	2283362.007	83°27'59.65920"	20°37'54.89904"
RF-5	757084.429	2283421.023	83°28'01.52832"	20°37'56.79084"

Divisional Forest Officer
Balangir Forest Division
Balangir
19.2.2016

ORISSA SPACE APPLICATION CENTRE
Map No. FDC-286/C/1
Date 08/02/2016
Auth. Signatory
BHUBANESWAR

LEGEND

- R.F. Boundary Point(DGPS)
- R.F. Land to be Acquired

Client:-

Rail Vikas Nigam Limited.
(A Goverment of India Enterprise)
Waltair

Name Of Work:-

Carrying out DGPS survey, Preparation and Authentication of necessary documents, filling of requisitions and obtaining clearance from concerened authorities in connection with Forest Land Acquisition for Construction of SBP-TIG Doubling railway Line

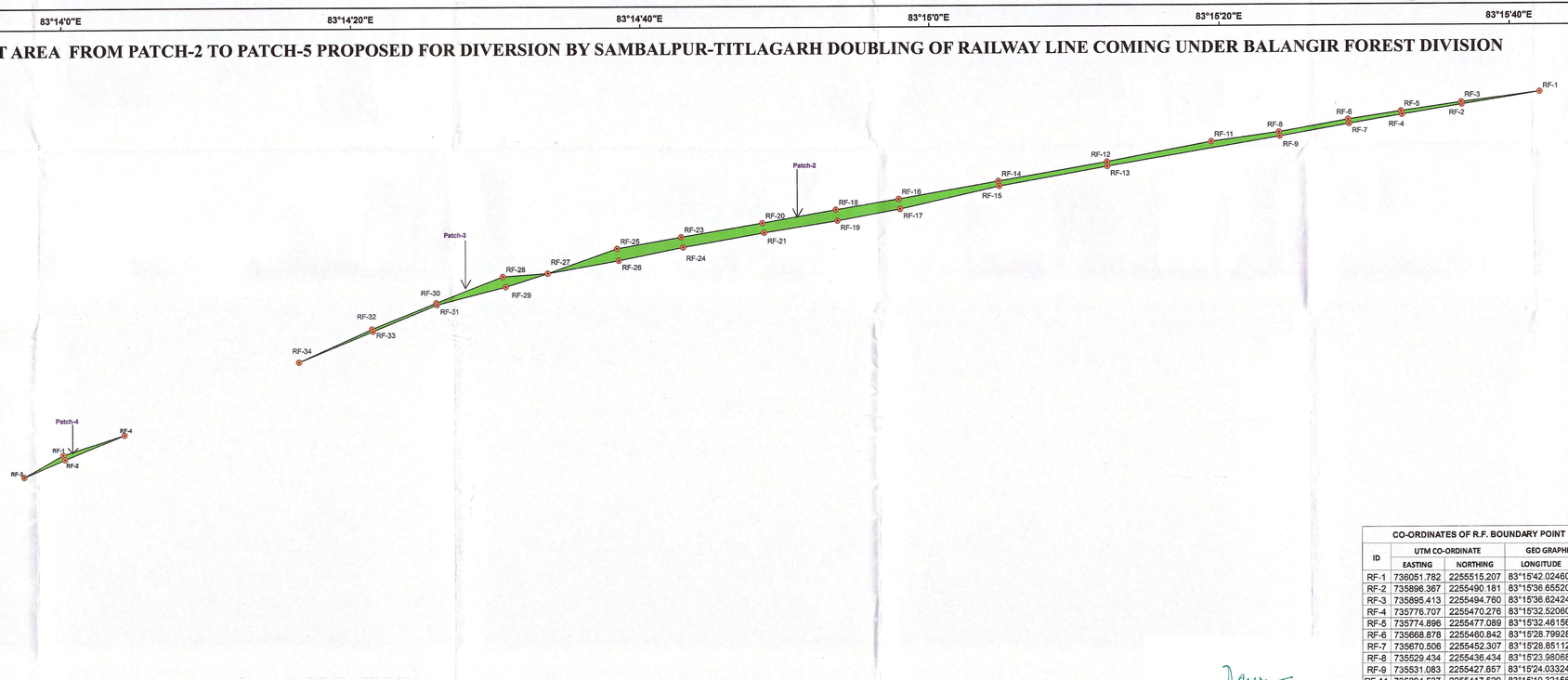
DGPS Surveyed By:-

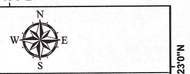
CADD Consulting Engineers Pvt. Ltd. BBSR

CADD Consulting Engineers Pvt. Ltd.
(Architects, Engineers, Surveyors & Consultants)
The CADD
Where Technology Moves with Time
N-1/270, IRC Village, Nayapalli.
Bhubaneswar-751015,
Phone:-0674-2553518, +91-9338055588
E-Mail ID:-info@thecaddconsulting.com
www.thecaddconsulting.com

83°27'40"E 83°28'0"E 83°28'20"E 83°28'40"E

DGPS SURVEYED RESERVE FOREST AREA FROM PATCH-2 TO PATCH-5 PROPOSED FOR DIVERSION BY SAMBALPUR-TITLAGARH DOUBLING OF RAILWAY LINE COMING UNDER BALANGIR FOREST DIVISION





Scale:-1:4000

0 50 100 200

Meters

LEGEND

- R.F. Boundary Point(DGPS)
- R.F. Land to be Acquired

Client:-

Rail Vikas Nigam Limited.
(A Goverment of India Enterprise)
Waltair

Name Of Work:-

Carrying out DGPS Survey, Preparation and Authentication of necessary documents, filling of requisitions and obtaining clearance from concerened authorities in connection with Forest Land Acquisition for Construction of SBP-TIG Doubling Railway Line

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Phone:-0674-2553518, +91-9338055588
E-Mail ID:-info@thecaddconsulting.com
www.thecaddconsulting.com

Divisional Forest Officer
Balangir Forest Division
Balangir

Map No. FDC-206/12
Date 08/02/2016
Asstt. Signatory

DIRECTOR SPACE APPLICATIONS CENTRE BHUBANESWAR

CO-ORDINATES OF R.F. BOUNDARY POINT OF PATCH-2

ID	UTM CO-ORDINATE		GEO GRAPHICS CO-ORDINATE	
	EASTING	NORTHING	LONGITUDE	LATITUDE
RF-1	736051.782	2255515.207	83°15'42.02460"	20°22'59.67552"
RF-2	735896.367	2255490.181	83°15'36.65520"	20°22'58.93176"
RF-3	735895.413	2255494.760	83°15'36.62424"	20°22'59.08080"
RF-4	735776.707	2255470.276	83°15'32.52060"	20°22'58.33812"
RF-5	735774.896	2255477.089	83°15'32.46156"	20°22'58.56024"
RF-6	735668.878	2255460.842	83°15'28.79928"	20°22'58.07964"
RF-7	735670.506	2255452.307	83°15'28.85112"	20°22'57.80136"
RF-8	735529.434	2255436.434	83°15'23.98068"	20°22'57.34848"
RF-9	735531.083	2255427.657	83°15'24.03324"	20°22'57.06226"
RF-11	735394.537	2255417.529	83°15'19.32156"	20°22'56.79408"
RF-12	735185.247	2255377.336	83°15'12.08772"	20°22'55.58086"
RF-13	735185.842	2255368.252	83°15'12.10392"	20°22'55.28532"
RF-15	734970.123	2255329.555	83°15'04.64940"	20°22'54.12360"
RF-16	734768.512	2255304.486	83°14'57.68772"	20°22'53.39820"
RF-18	734641.500	2255283.393	83°14'53.29932"	20°22'52.76928"
RF-19	734644.935	2255261.482	83°14'53.40732"	20°22'52.05540"
RF-20	734494.549	2255257.247	83°14'48.22116"	20°22'51.98448"
RF-21	734498.033	2255238.033	83°14'48.33240"	20°22'51.35844"
RF-23	734331.723	2255229.758	83°14'42.59544"	20°22'51.16332"
RF-24	734335.339	2255209.287	83°14'42.71028"	20°22'50.49624"
RF-25	734203.533	2255206.995	83°14'38.16564"	20°22'50.48040"
RF-26	734206.865	2255183.076	83°14'38.28932"	20°22'49.70136"
RF-27	734064.481	2255157.684	83°14'33.34884"	20°22'48.93888"
RF-14	734968.313	2255339.632	83°15'04.59180"	20°22'54.45192"

Area Statistics From Patch-2 to Patch-5

SL. NO.	R.F. NAME	Patch No	Mentioned Area In Plan map In Acr.	Mentioned Area In Plan map In Hac.	Calculated Area In Hac.
1	Baranai	2	10.038	4.062	2.610
2	Baranai	3			0.381
3	Baranai	4			0.109
4	Baranai	5			1.147
Total Area			10.038	4.062	4.247

CO-ORDINATES OF R.F. BOUNDARY POINT OF PATCH-3

ID	UTM CO-ORDINATE		GEO GRAPHICS CO-ORDINATE	
	EASTING	NORTHING	LONGITUDE	LATITUDE
RF-27	734064.481	2255157.684	83°14'33.34884"	20°22'48.93888"
RF-28	733974.577	2255151.551	83°14'30.24672"	20°22'48.77940"
RF-29	733980.330	2255130.712	83°14'30.43536"	20°22'48.09972"
RF-30	733840.206	2255098.916	83°14'25.59012"	20°22'47.12808"
RF-31	733841.572	2255095.121	83°14'25.63548"	20°22'47.00424"
RF-32	733710.948	2255046.585	83°14'21.10992"	20°22'45.48432"
RF-33	733712.958	2255042.133	83°14'21.17688"	20°22'45.33852"
RF-34	733564.367	2254980.491	83°14'16.02564"	20°22'43.40064"

CO-ORDINATES OF R.F. BOUNDARY POINT OF PATCH-4

ID	UTM CO-ORDINATE		GEO GRAPHICS CO-ORDINATE	
	EASTING	NORTHING	LONGITUDE	LATITUDE
RF-1	733090.520	2254795.727	83°13'59.60496"	20°22'37.60428"
RF-2	733094.361	2254786.569	83°13'59.73312"	20°22'37.30476"
RF-3	733011.106	2254751.502	83°13'56.84664"	20°22'36.20172"
RF-4	733213.372	2254835.810	83°14'03.85872"	20°22'38.85276"

CO-ORDINATES OF R.F. BOUNDARY POINT OF PATCH-5

ID	UTM CO-ORDINATE		GEO GRAPHICS CO-ORDINATE	
	EASTING	NORTHING	LONGITUDE	LATITUDE
RF-1	732847.500	2254657.010	83°13'51.16260"	20°22'33.20220"
RF-2	732743.700	2254541.481	83°13'47.53056"	20°22'29.49276"
RF-3	732622.055	2254395.518	83°13'43.26924"	20°22'24.80160"
RF-4	732610.858	2254435.473	83°13'42.90168"	20°22'26.10516"
RF-5	732697.449	2254567.719	83°13'45.94836"	20°22'30.36576"

83°13'0"E 83°13'30"E 83°14'0"E

DGPS SURVEYED RESERVE FOREST AREA OF PATCH-6 & 7 PROPOSED FOR DIVERSION BY SAMBALPUR-TITLAGARH DOUBLING OF RAILWAY LINE COMING UNDER BALANGIR FOREST DIVISION

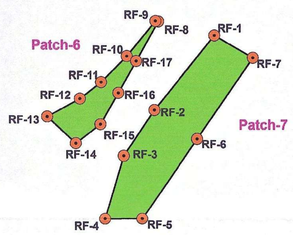
N W E S

Scale:-1:4000

0 50 100 200

Meters

20°21'30"N



Area Statistics of Patch-6 & 7					
SL. NO.	R.F. NAME	Patch No	Mentioned Area in Plan map in Acr.	Mentioned Area in Plan map in Hac.	Calculated Area in Hac.
1	Baranai	6	3.019	1.222	0.288
2		7			0.976
Total Area			3.019	1.222	1.264

CO-ORDINATES OF R.F. BOUNDARY POINT OF PATCH-6 & 7				
ID	UTM CO-ORDINATE		GEO GRAPHICS CO-ORDINATE	
	EASTING	NORTHING	LONGITUDE	LATITUDE
RF-1	731948.368	2252893.227	83°13'19.34724"	20°21'36.26424"
RF-2	731887.945	2252818.854	83°13'17.22972"	20°21'33.87312"
RF-3	731857.256	2252773.207	83°13'16.15080"	20°21'32.40288"
RF-4	731838.543	2252709.517	83°13'15.47616"	20°21'30.34080"
RF-5	731875.672	2252709.665	83°13'16.75596"	20°21'30.32928"
RF-6	731931.061	2252789.988	83°13'18.70248"	20°21'32.91588"
RF-7	731986.885	2252870.999	83°13'20.66448"	20°21'35.52480"
RF-8	731891.892	2252907.157	83°13'17.40684"	20°21'36.74160"
RF-9	731889.109	2252907.481	83°13'17.31108"	20°21'36.75348"
RF-10	731860.235	2252872.566	83°13'16.29984"	20°21'35.63136"
RF-11	731834.433	2252846.552	83°13'15.39840"	20°21'34.79688"
RF-12	731813.215	2252830.131	83°13'14.65932"	20°21'34.27236"
RF-13	731780.339	2252812.168	83°13'13.51776"	20°21'33.70284"
RF-14	731809.227	2252785.505	83°13'14.50092"	20°21'32.82372"
RF-15	731833.850	2252804.426	83°13'15.35844"	20°21'33.42780"
RF-16	731851.879	2252835.827	83°13'15.99456"	20°21'34.44048"
RF-17	731869.753	2252867.602	83°13'16.62564"	20°21'35.46576"

LEGEND

- R.F. Boundary Point (DGPS)
- R.F. Land to be acquired

Divisional Forest Officer
Balangir Forest Division
Balangir
9.2.2016

ORISSA SPACE APPLICATION CENTRE
Map No. FDC-206/2013
Date 08/02/2016
Auth. Signatory
BHUBANESWAR

DGPS Surveyed By:-

CADD Consulting Engineers Pvt. Ltd.
(Architects, Engineers, Surveyors & Consultants)

The CADD
Where Technology Moves with Time

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Bhubaneswar-751015,
Phone:-0674-2553518, +91-9338055588
E-Mail ID:-info@thecaddconsulting.com
www.thecaddconsulting.com

Client:-

Rail Vikas Nigam Limited.
(A Goverment of India Enterprise)
Waltair

Name Of Work:-

Carrying out DGPS survey, Preparation and Authentication of necessary documents, filling of requisitions and obtaining clearance from concerened authorities in connection with Forest Land Acquisition for Construction of SBP-TIG Doubling railway Line

83°13'0"E 83°13'30"E 83°14'0"E

DGPS SURVEYED RESERVE FOREST AREA OF PATCH-8 PROPOSED FOR DIVERSION BY SAMBALPUR-TITLAGARH DOUBLING OF RAILWAY LINE COMING UNDER BALANGIR FOREST DIVISION

83°11'30"E 83°11'40"E 83°11'50"E 83°12'0"E

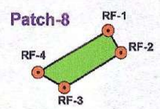
20°20'10"N 20°20'0"N

N S W E

Scale:-1:2000

0 25 50 100

Meters



Area Statistics of Patch-8					
SL. NO.	R.F. NAME	Patch No	Mentioned Area in Plan map in Acr.	Mentioned Area in Plan map in Hac.	Calculated Area in Hac.
1	Baranai	8	0.090	0.036	0.041

CO-ORDINATES OF RF BOUNDARY POINT OF PATCH-8

	UTM CO-ORDINATES		GEO GRAPHICS CO-ORDINATES	
ID	Easting	Northing	Latitude (Global)	Longitude (Global)
RF-1	729150.187	2250082.452	N20°20'06.11542"	E83°11'41.60686"
RF-2	729156.212	2250072.271	N20°20'05.78187"	E83°11'41.80979"
RF-3	729130.004	2250056.015	N20°20'05.26475"	E83°11'40.89912"
RF-4	729117.828	2250062.795	N20°20'05.49042"	E83°11'40.48263"

LEGEND

- R.F. Boundary Point(DGPS)
- R.F. Land to be Acquired

Divisional Forest Officer 19.2.2016
Balangir Forest Division
Balangir

ORISSA SPACE APPLICATION CENTRE
Map No. FDC-25/16/14
Date 08/02/2016
Auth. Signatory
BHUBANESWAR

CADD Consulting Engineers Pvt. Ltd. BBSR

DGPS Surveyed By:-

CADD Consulting Engineers Pvt. Ltd.
(Architects, Engineers, Surveyors & Consultants)

The CADD
Where Technology Moves with Time

N-1/270, IRC Village, Nayapalli.
Bhubaneswar-751015,
Phone:-0674-2553518, +91-9338055588
E-Mail ID:-info@thecaddconsulting.com
www.thecaddconsulting.com

Client:-

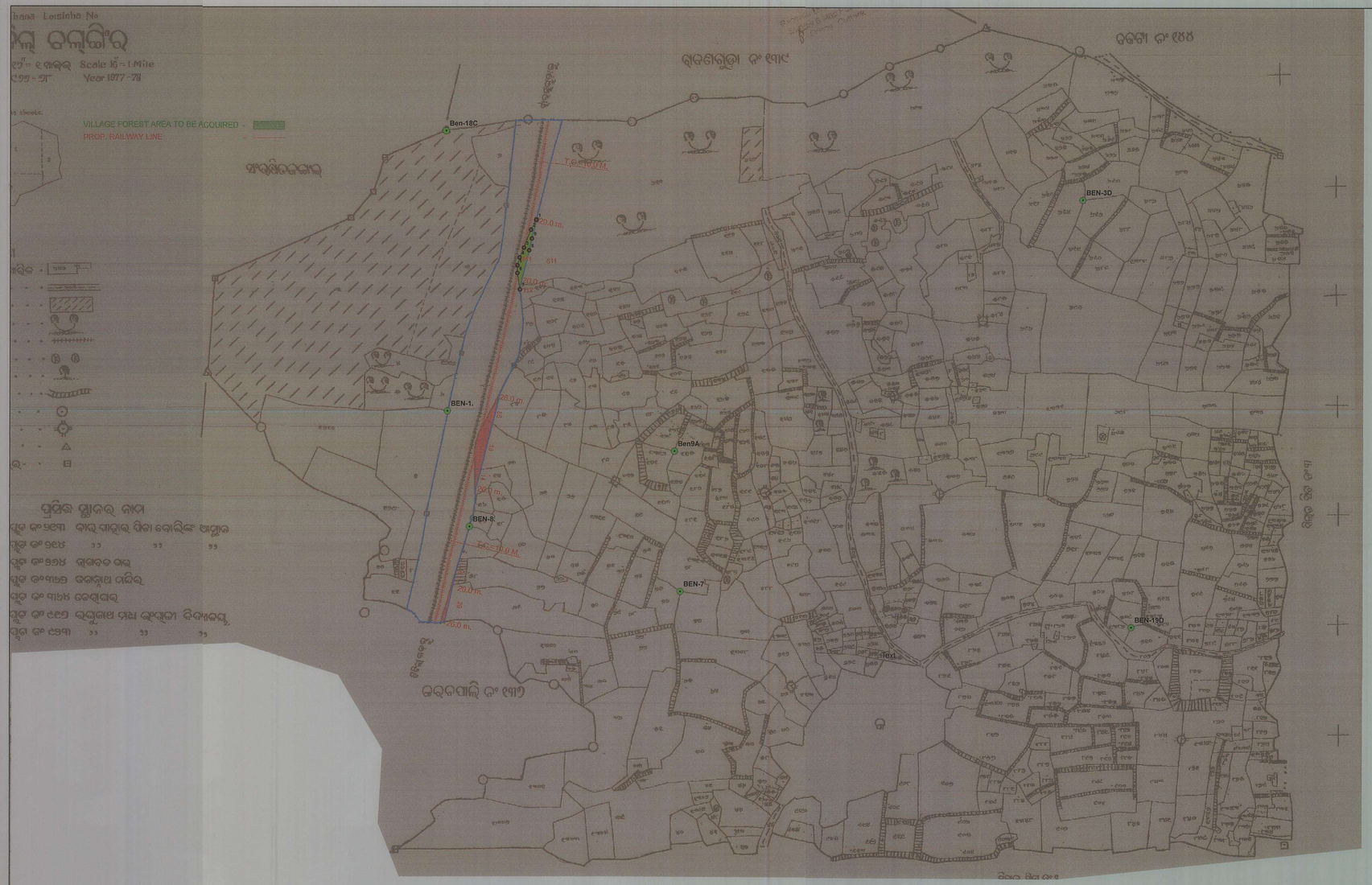
Rail Vikas Nigam Limited.
(A Goverment of India Enterprise)
Waltair

Name Of Work:-

Carrying out DGPS Survey, Preparation and Authentication of necessary documents, filling of requisitions and obtaining clearance from concerened authorities in connection with Forest Land Acquisition for Construction of SBP-TIG Doubling Railway Line

83°11'30"E 83°11'40"E 83°11'50"E 83°12'0"E

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE BENDRA SH-1



0 50 100 200 300 400 Meters

Scale- 1:4,000

DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	BEN-1.	763831.848	2316034.222	83°32'12.15780"	20°55'33.25548"
2	Ben-18C	763828.744	2316548.461	83°32'12.33204"	20°55'49.96812"
3	BEN-19D	765090.137	2315637.995	83°32'55.46148"	20°55'19.73100"
4	BEN-3D	764999.633	2316422.51	83°32'52.76256"	20°55'45.27156"
5	BEN-7	764261.064	2315702.812	83°32'26.82204"	20°55'22.26504"
6	BEN-8.	763872.756	2315822.609	83°32'13.45704"	20°55'26.35788"
7	Ben9A	764250.179	2315960.872	83°32'26.58696"	20°55'30.65664"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	1	763994.6673	2316384.669	83°32'17.98152"	20°55'44.56020"
2	2	763984.9354	2316366.548	83°32'17.63484"	20°55'43.97628"
3	3	763971.9708	2316333.607	83°32'17.16828"	20°55'42.91248"
4	4	763963.901	2316315.616	83°32'16.87956"	20°55'42.33180"
5	5	763959.9322	2316301.196	83°32'16.73412"	20°55'41.86524"
6	6	763959.9322	2316287.04	83°32'16.72656"	20°55'41.40552"
7	7	763964.6617	2316257.076	83°32'16.87380"	20°55'40.42920"
8	8	763981.6008	2316328.713	83°32'17.49876"	20°55'42.74832"
9	9	763986.7544	2316350.342	83°32'17.68884"	20°55'43.44852"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE BENDRA						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Bendra	611	Gramya Jungle	0.244	0.099	0.111
Total forest area =				0.244	0.099	0.111

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

AGM & Project Director
SBP-TIG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

Range Officer
Loisingha Range

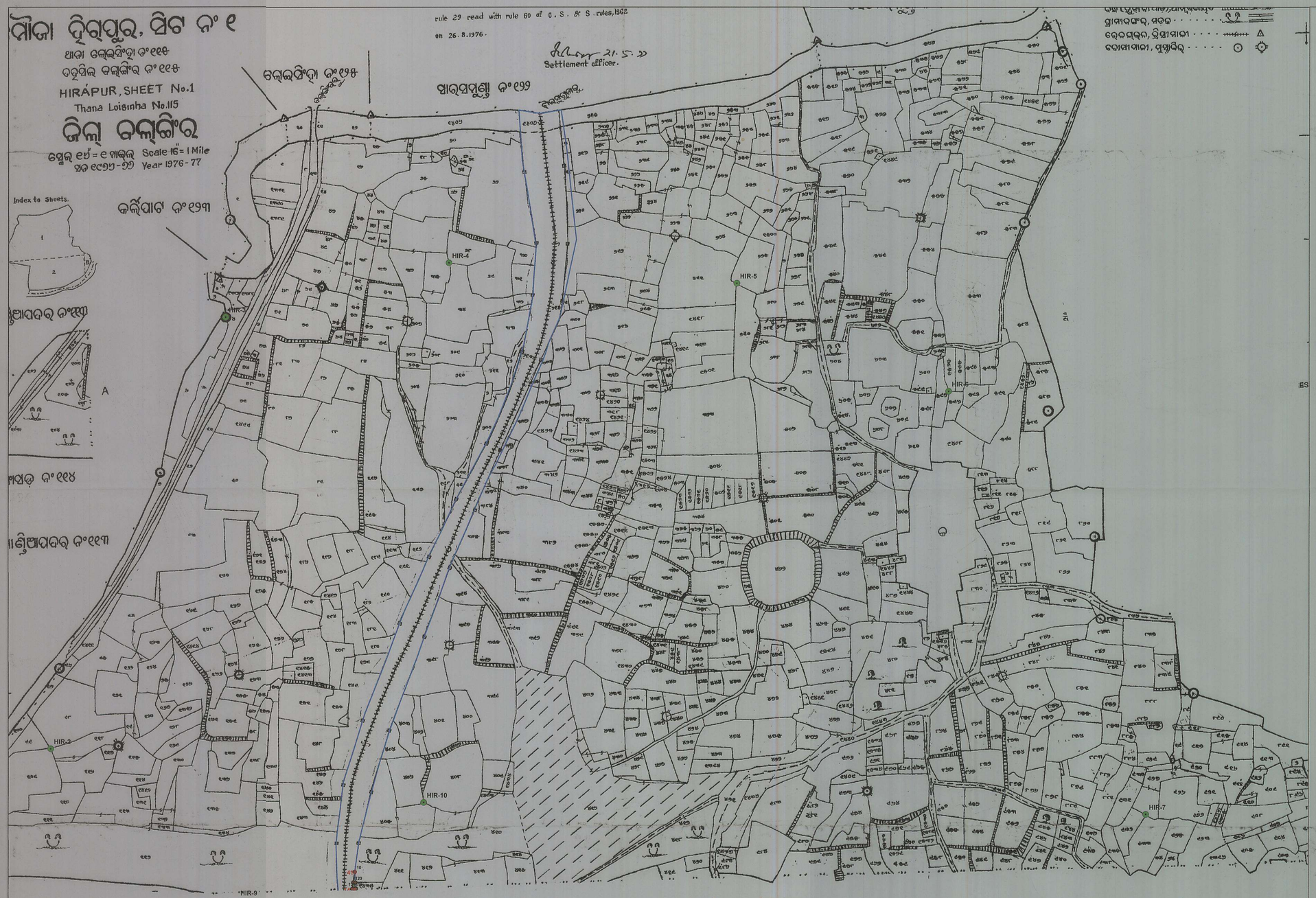
Tahasildar
Agalpur

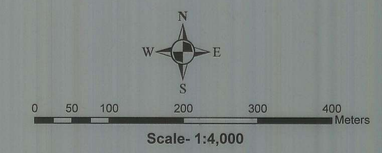
ORISSA SPACE APPLICATION AGENCY
Map No. FDC-5
Date 02/08/2018
Auth. Signatory
BHUBANESWAR

Surveyed and Prepared by-:

CONSULTANT :-
S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
E - MAIL : support@smcindia.com, Web : www.smcindia.com

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE HIRAPUR-SH1





DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	HIR-10	761550.304	2305322.194	83°30'47.44764"	20°49'46.31124"
2	HIR-3	761160.024	2306270.409	83°30'34.46784"	20°50'17.32380"
3	HIR-4	761599.154	2306377.37	83°30'49.70556"	20°50'20.57712"
4	HIR-5	762166.091	2306336.966	83°31'09.28200"	20°50'18.97620"
5	HIR-6	762580.889	2306126.473	83°31'23.50704"	20°50'11.92452"
6	HIR-7	762970.583	2305298.94	83°31'36.52860"	20°49'44.83344"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	10	761415.2079	2305185.346	83°30'42.70392"	20°49'41.93256"
2	11	761412.4033	2305164.636	83°30'42.59592"	20°49'41.26080"
3	12	761410.3396	2305152.412	83°30'42.51780"	20°49'40.86480"
4	13	761413.5146	2305152.571	83°30'42.62796"	20°49'40.86840"
5	19	761417.5714	2305152.848	83°30'42.76800"	20°49'40.87524"
6	20	761416.7296	2305164.422	83°30'42.74532"	20°49'41.25180"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE HIRAPUR-SH1						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Hirapur	410	Gramya Jungle	0.012	0.005	0.004
2	Hirapur	1435	Gramya Jungle	0.02	0.008	0.007
Total forest area =				0.032	0.013	0.011

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

AGM & Project Director
SBP-TIG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

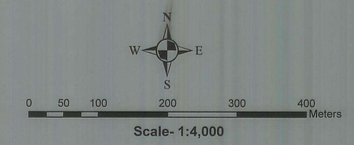
Range Officer
Loisingha Range

ORISSA SPACE APPLICATIONS CENTRE
Map No. FDC-50
Date 02/08/2018
Auth. Signatory
BHUBANESWAR

Surveyed and Prepared by-:

S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
E. MAIL : support@smcindia.com, Web : www.smcindia.com

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE HIRAPUR-SH2



DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	HIR-1	762068.474	2304497.334	83°31'04.91304"	20°49'19.24248"
2	HIR-11	761763.134	2304582.52	83°30'54.40500"	20°49'22.16568"
3	HIR-12	762448.465	2304702.673	83°31'18.15852"	20°49'25.72212"
4	HIR-13	762384.891	2305080.131	83°31'16.16520"	20°49'38.02080"
5	HIR-8	762999.27	2305104.278	83°31'37.41492"	20°49'38.49276"
6	HIR-9	761183.542	2305129.253	83°30'34.66584"	20°49'40.22724"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	14	761414.7766	2305133.882	83°30'42.66144"	20°49'40.26036"
2	15	761415.1021	2305123.202	83°30'42.66684"	20°49'39.91296"
3	16	761418.3485	2305106.497	83°30'42.77016"	20°49'39.36864"
4	17	761419.4635	2305095.09	83°30'42.80256"	20°49'38.99748"
5	18	761421.45	2305094.917	83°30'42.87096"	20°49'38.99064"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE HIRAPUR-SH2						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Hirapur	1398	Gramya Jungle	0.075	0.030	0.021
Total forest area =				0.075	0.030	0.021

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

Tahasildar
Agalpur
Balangir

Range Officer
Loisingha Range

AGM & Project Director
SBP-TTG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

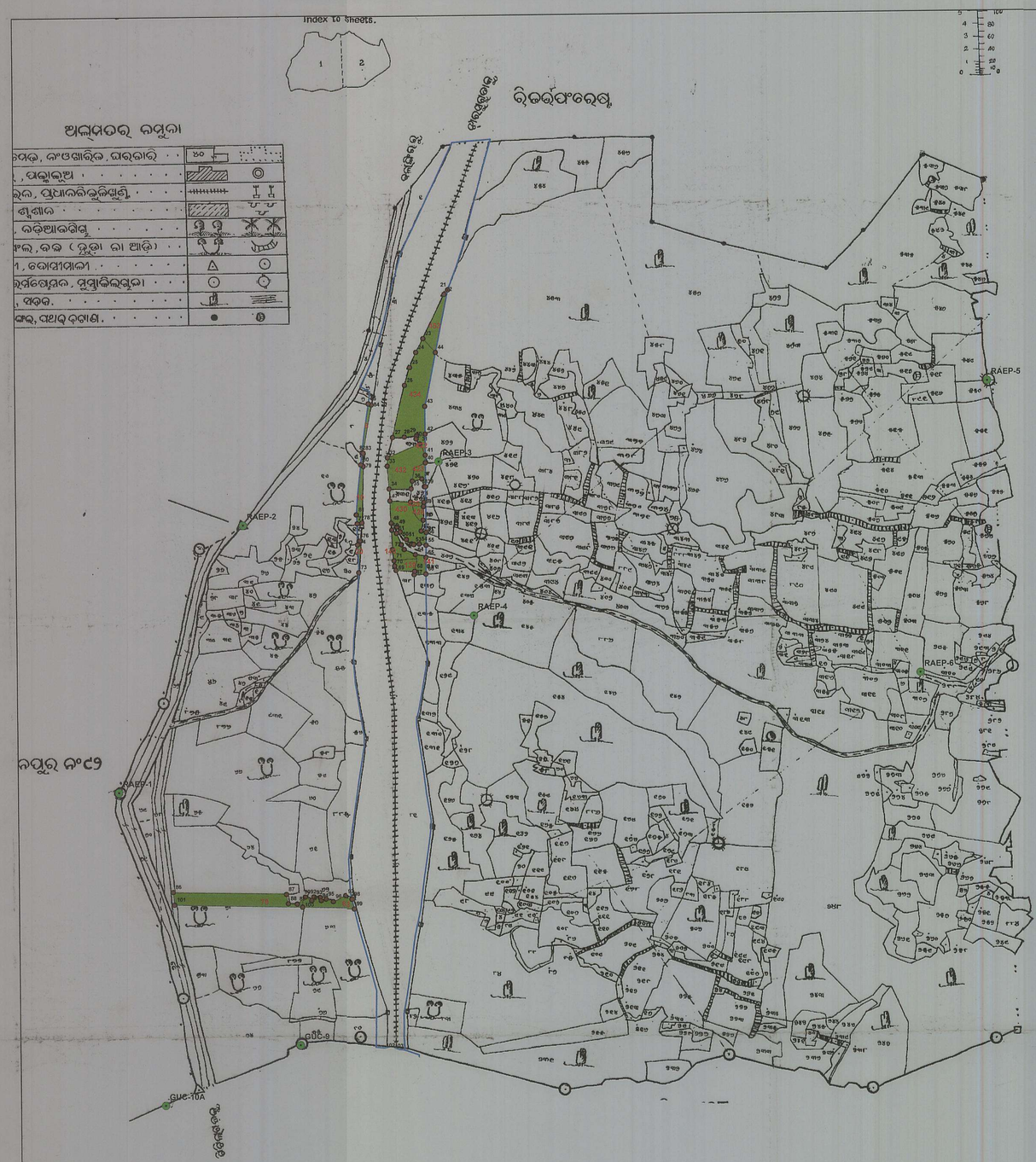
ORISSA SPACE APPLICATION CENTRE
Map No. F.D.C-SO/B
Date 03/08/2018
Auth. Signatory
BHUBANESWAR

Surveyed and Prepared by-:

S.M. CONSULTANTS
BHUBANESWAR

CONSULTANT :-
S.M.C.
S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / FORTBLIR / SECUNDERABAD
E MAIL : support@smcindia.com, Web : www.smcindia.com

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE RAEPALI



N
W E
S

0 50 100 200 300 400 Meters

Scale- 1:4,000

DGPS SURVEYED GEOOREFERENCED POINT CO-ORDINATES

Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	RAEP-1	752805.595	2278528.699	83°25'31.28916"	20°35'19.88160"
2	RAEP-2	753005.046	2278948.164	83°25'38.38872"	20°35'33.41760"
3	RAEP-3	753315.543	2279047.579	83°25'49.15668"	20°35'36.49812"
4	RAEP-4	753369.277	2278804.606	83°25'50.88612"	20°35'28.57524"
5	RAEP-5	754183.505	2279166.93	83°26'19.17636"	20°35'39.95520"
6	RAEP-6	754073.956	2278707.554	83°26'15.15768"	20°35'25.07892"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES

Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	21	753332.5294	2278317.526	83°25'49.88244"	20°35'45.26340"
2	22	753326.6441	2278310.392	83°25'49.67544"	20°35'45.03444"
3	23	753292.5381	2279241.239	83°25'48.46260"	20°35'42.80352"
4	24	753281.1081	2279219.649	83°25'48.05688"	20°35'42.10728"
5	25	753271.3714	2279196.154	83°25'47.70876"	20°35'41.34840"
6	26	753262.9047	2279168.003	83°25'47.40204"	20°35'40.43760"
7	27	753243.2197	2279096.087	83°25'46.68024"	20°35'37.7848"
8	28	753251.8464	2279036.722	83°25'47.32356"	20°35'37.79628"
9	29	753281.5315	2279089.051	83°25'48.00432"	20°35'37.86252"
10	30	753281.3671	2279083.389	83°25'47.99112"	20°35'37.67892"
11	31	753285.8706	2279075.61	83°25'48.14724"	20°35'37.42368"
12	32	753234.4234	2279053.994	83°25'46.36020"	20°35'36.74580"
13	33	753234.0266	2279040.882	83°25'46.33968"	20°35'36.32028"
14	34	753236.8047	2279005.168	83°25'46.41744"	20°35'35.15820"
15	35	753272.1266	2279005.168	83°25'47.68440"	20°35'35.14092"
16	36	753273.8746	2279017.113	83°25'47.70300"	20°35'35.52528"
17	37	753289.0805	2279020.245	83°25'48.22968"	20°35'35.62260"
18	38	753292.7377	2279008.26	83°25'48.34956"	20°35'35.23128"
19	39	753294.4989	2279008.18	83°25'48.41004"	20°35'35.22804"
20	40	753294.4989	2279045.649	83°25'48.42948"	20°35'36.44556"
21	41	753294.4989	2279057.774	83°25'48.43560"	20°35'36.83796"
22	42	753294.4989	2279091.061	83°25'48.45288"	20°35'37.92156"
23	43	753294.4989	2279134.632	83°25'48.47520"	20°35'39.33780"
24	44	753312.2502	2279219.346	83°25'49.13184"	20°35'42.08244"
25	45	753291.7588	2278893.283	83°25'48.30276"	20°35'34.42020"
26	46	753270.7243	2278904.341	83°25'47.57736"	20°35'34.66484"
27	47	753237.7837	2278935.929	83°25'46.44120"	20°35'35.68116"
28	48	753239.766	2278951.004	83°25'46.49160"	20°35'33.39636"
29	49	753248.8962	2278945.051	83°25'46.80372"	20°35'33.19836"
30	50	753253.9233	2278936.981	83°25'46.97292"	20°35'32.93376"
31	51	753263.5806	2278925.075	83°25'47.30016"	20°35'32.54208"
32	52	753272.0473	2278918.063	83°25'47.58888"	20°35'32.30988"
33	53	753275.2223	2278917.005	83°25'47.69796"	20°35'32.27388"
34	54	753283.689	2278917.799	83°25'47.99064"	20°35'32.29584"
35	55	753294.4925	2278915.808	83°25'48.36252"	20°35'32.22564"
36	56	753294.8296	2278935.853	83°25'48.38448"	20°35'32.87760"
37	57	753286.664	2278938.171	83°25'48.11052"	20°35'32.95644"
38	58	753290.3035	2278955.369	83°25'48.23832"	20°35'33.51372"
39	59	753290.8327	2278976.668	83°25'48.26748"	20°35'34.22664"
40	60	753240.4055	2278939.8	83°25'46.50816"	20°35'33.03492"
41	61	753247.8169	2278935.032	83°25'46.76124"	20°35'32.87328"
42	62	753255.6485	2278916.829	83°25'47.02224"	20°35'32.27784"
43	63	753260.0935	2278909.42	83°25'47.17164"	20°35'32.03484"
44	64	753277.4502	2278901.165	83°25'47.76672"	20°35'31.75800"
45	65	753294.1681	2278896.507	83°25'48.34128"	20°35'31.59852"
46	66	753294.0372	2278870.593	83°25'48.33228"	20°35'30.75648"
47	67	753275.4775	2278869.671	83°25'47.68212"	20°35'30.73560"
48	68	753276.3125	2278874.918	83°25'47.71380"	20°35'30.90552"
49	69	753246.8908	2278876.612	83°25'46.69932"	20°35'30.97500"
50	70	753244.5625	2278883.597	83°25'46.62228"	20°35'31.20324"
51	71	753243.7158	2278891.64	83°25'46.59744"	20°35'31.46496"
52	72	753241.4868	2278909.42	83°25'46.52904"	20°35'32.04384"
53	73	753187.391	2278873.682	83°25'44.64408"	20°35'30.90876"
54	74	753185.852	2278917.434	83°25'44.61348"	20°35'32.33148"
55	75	753188.3119	2278923.337	83°25'44.70132"	20°35'32.52192"
56	76	753190.6403	2278923.549	83°25'44.78196"	20°35'32.52768"
57	77	753185.5565	2278950.658	83°25'44.62032"	20°35'33.41112"
58	78	753192.9752	2278952.012	83°25'44.87700"	20°35'33.45180"
59	79	753196.1061	2279041.044	83°25'45.03108"	20°35'36.34368"
60	80	753191.9817	2279043.499	83°25'44.88996"	20°35'36.42540"
61	81	753184.2335	2278964.681	83°25'44.58180"	20°35'33.86760"
62	82	753194.1268	2279002.393	83°25'44.97384"	20°35'37.03548"
63	83	753196.1039	2279001.807	83°25'45.04152"	20°35'37.01868"
64	84	753209.439	2279137.69	83°25'45.54120"	20°35'39.47820"
65	85	753204.6065	2279139.306	83°25'45.37524"	20°35'39.53328"
66	86	752885.5665	2278371.276	83°25'34.10616"	20°35'14.72280"
67	87	753068.2135	2278366.358	83°25'40.26972"	20°35'14.47800"
68	88	753071.1768	2278351.753	83°25'40.36440"	20°35'14.00208"
69	89	753095.1469	2278351.118	83°25'40.84608"	20°35'13.97472"
70	90	753097.8469	2278361.913	83°25'41.28996"	20°35'14.31924"
71	91	753108.0069	2278356.198	83°25'41.63772"	20°35'14.12844"
72	92	753111.6053	2278362.124	83°25'41.76516"	20°35'14.31960"
73	93	753121.3419	2278361.066	83°25'42.10068"	20°35'14.29036"
74	94	753123.0353	2278355.986	83°25'42.15648"	20°35'14.13440"
75	95	753130.6533	2278358.314	83°25'42.42072"	20°35'14.16640"
76	96	753142.297	2278354.293	83°25'42.82032"	20°35'14.04996"
77	97	753161.7704	2278363.606	83°25'43.49712"	20°35'14.34336"
78	98	753171.394	2278359.126	83°25'43.82688"	20°35'14.19288"
79	99	753175.015	2278344.103	83°25'43.94424"	20°35'13.70292"
80	100	753093.6387	2278346.179	83°25'41.13660"	20°35'13.82928"
81	101	752891.6832	2278351.329	83°25'34.16916"	20°35'14.07516"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE RAEPALI

Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Raepali	78	Gramya Jungle	0.930	0.376	0.379
2	Raepali	63	Patra Jungal	0.346	0.140	0.110
3	Raepali	10	Bada Jangal	0.147	0.059	0.066
4	Raepali	8	Bada Jangal	0.059	0.024	0.030
5	Raepali	20	Bada Jangal	0.028	0.011	0.012
6	Raepali	139	Bada Jangal	0.143	0.058	0.059
7	Raepali	140	Bada Jangal	0.210	0.085	0.083
8	Raepali	141	Bada Jangal	0.124	0.050	0.048
9	Raepali	422	Bada Jangal	0.055	0.022	0.022
10	Raepali	434	Bada Jangal	1.405	0.569	0.568
11	Raepali	432	Bada Jangal	0.700	0.283	0.287
12	Raepali	453	Gramya Jungle	0.305	0.123	0.127
13	Raepali	423	Patra Jungal	0.117	0.047	0.047
14	Raepali	425	Patra Jungal	0.029	0.012	0.011
15	Raepali	426	Patra Jungal	0.073	0.030	0.030
16	Raepali	430	Patra Jungal	0.620	0.251	0.252
	Total forest area =			5.291	2.140	2.131

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

Surveyed and Prepared by-:

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(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
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AGM & Project Director
SBP-TIG Doubling Project
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Divisional Forest Officer
Balangir Forest Division

TAHASILDAR
DEOGAON

Forest Range Officer
Deogaon Range

ORISSA SPACE APPLICATIONS CENTRE
Map No. FDC-S.C.
Date 02.08.2018
Auth. Signatory
BHUBANESWAR

S.M. CONSULTANTS BHUBANESWAR

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE GUCHAPALI-SH1

N
W E
S

0 50 100 200 300 400 Meters

Scale- 1:4,000

DGPS SURVEYED GEO–REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	GUC-10A	752874.582	2278034.763	83°25'33.41604"	20°35'03.79500"
2	GUC-11	754661.53	2277468.742	83°26'34.79604"	20°34'44.53104"
3	GUC-12.	754786.616	2278223.142	83°26'39.50376"	20°35'08.98800"
4	GUC-7D	753569.76	2276864.441	83°25'56.80596"	20°34'25.42188"
5	GUC-8A	753516.979	2277585.724	83°25'55.35588"	20°34'48.88956"
6	GUC-9	753088.624	2278128.401	83°25'40.85148"	20°35'06.73440"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	102	753225.0096	2278119.74	83°25'45.55416"	20°35'06.38700"
2	103	753233.4916	2278118.817	83°25'45.84648"	20°35'06.35280"
3	104	753225.3953	2277988.325	83°25'45.49980"	20°35'02.11560"
4	105	753222.6437	2277982.817	83°25'45.40224"	20°35'01.93812"
5	106	753226.0833	2278005.042	83°25'45.53220"	20°35'02.65848"
6	108	753061.2475	2277795.756	83°25'39.73548"	20°34'55.93656"
7	109	753121.0329	2277763.663	83°25'41.78244"	20°34'54.86448"
8	110	753119.3492	2277785.436	83°25'41.73564"	20°34'55.57296"
9	111	753126.493	2277793.056	83°25'41.98584"	20°34'55.81704"
10	112	753163.7993	2277792.579	83°25'43.27320"	20°34'55.78356"
11	113	753136.9185	2277805.81	83°25'42.35232"	20°34'56.22672"
12	114	753072.0955	2277814.277	83°25'40.11960"	20°34'56.53344"
13	115	753152.3046	2277746.877	83°25'42.85308"	20°34'54.30396"
14	116	753175.0217	2277734.682	83°25'43.63068"	20°34'53.89644"
15	117	753174.4111	2277742.983	83°25'43.61412"	20°34'54.16644"
16	118	753196.8214	2277773.648	83°25'44.40324"	20°34'55.15248"
17	119	753198.5147	2277762.642	83°25'44.45616"	20°34'54.79392"
18	120	753210.1564	2277753.328	83°25'44.85288"	20°34'54.48540"
19	121	753213.5431	2277747.825	83°25'44.96700"	20°34'54.30504"
20	122	753229.8415	2277746.767	83°25'45.52896"	20°34'54.26256"
21	123	753209.5214	2277756.08	83°25'44.83236"	20°34'54.57540"
22	124	753168.0856	2277793.691	83°25'43.42188"	20°34'55.81776"
23	125	753262.3757	2277156.719	83°25'46.34832"	20°34'35.07024"
24	126	753271.8951	2277106.443	83°25'46.65072"	20°34'33.43152"
25	127	753270.5431	2277050.105	83°25'46.57512"	20°34'31.60128"
26	128	753279.0807	2276990.17	83°25'46.83900"	20°34'29.64900"
27	129	753285.1092	2276907.66	83°25'47.00400"	20°34'26.96448"
28	130	753295.8717	2276906.402	83°25'47.37540"	20°34'26.91840"
29	131	753283.3304	2276975.14	83°25'46.97796"	20°34'29.15868"
30	132	753285.3272	2276873.082	83°25'46.99416"	20°34'25.84056"
31	133	753292.7981	2276873.077	83°25'47.25192"	20°34'25.83696"
32	134	753283.7181	2276828.124	83°25'46.91568"	20°34'24.38004"
33	135	753284.3011	2276836.671	83°25'46.94016"	20°34'24.65760"
34	136	753273.6793	2276692.762	83°25'46.49952"	20°34'19.98588"
35	137	753275.5428	2276692.582	83°25'46.56360"	20°34'19.97904"
36	138	753274.7491	2276679.221	83°25'46.52940"	20°34'19.54524"
37	139	753275.0136	2276659.906	83°25'46.52868"	20°34'18.91740"
38	140	753273.0752	2276660.299	83°25'46.46208"	20°34'18.93108"
39	141	753272.8352	2276680.694	83°25'46.46424"	20°34'19.59384"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE GUCHIPALI-SH1						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Guchipali-Sh1	805	Patra Jungal	0.001	0	0.006
2	Guchipali-Sh2	802	Patra Jungal	0.04	0.016	0.017
3	Guchipali-Sh3	78	Gramya Jungle	0.15	0.061	0.052
4	Guchipali-Sh4	121	Patra Jungal	0.226	0.091	0.08
5	Guchipali-Sh5	88	Patra Jungal	0.595	0.241	0.243
6	Guchipali-Sh6	87	Patra Jungal	0.042	0.017	0.009
7	Guchipali-Sh7	82	Patra Jungal	0.05	0.02	0.026
Total forest area =				1.104	0.446	0.433

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

Surveyed and Prepared by-:

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E. MAIL : support@smcindia.com, Web : www.smcindia.com

AGM & Project Director
SRP-TIG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

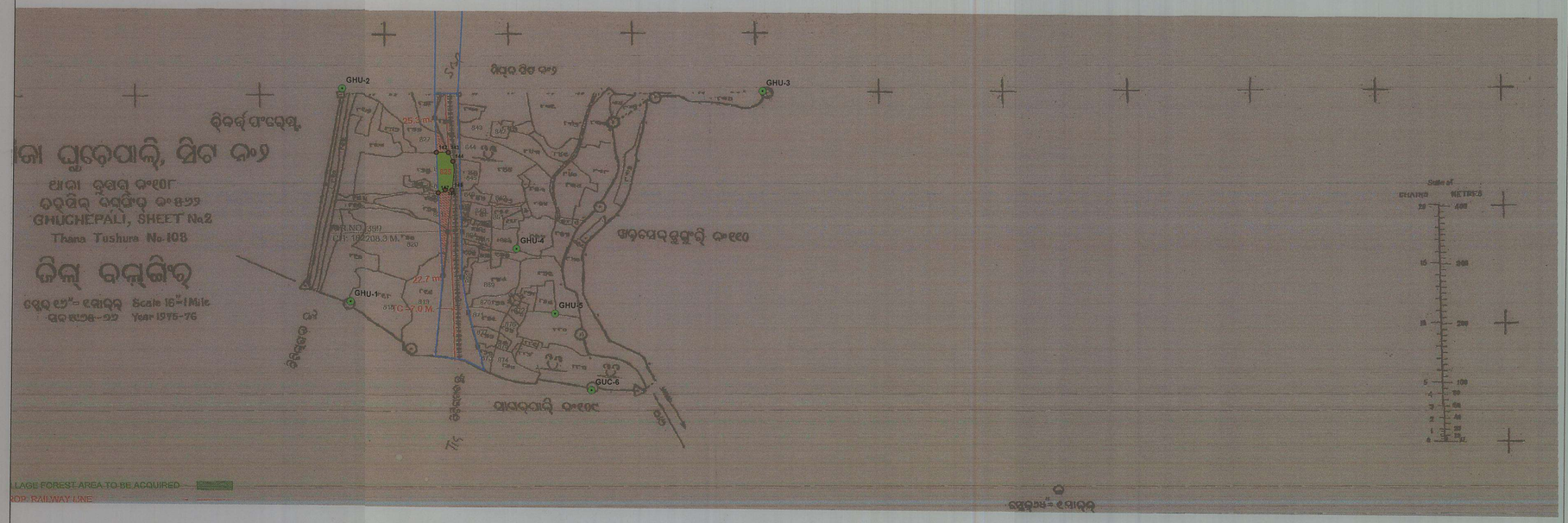
Sasha 16/3/18
TAHASILDAR
DEOGAON

Forest Range Officer
Deogaon Range

ORISSA SPACE APPLICATION CENTRE
Map No. FDC 5084
Date 03/08/2018
Auth. Signatory
BHUBANESWAR

S.M. CONSULTANTS BHUBANESWAR

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE GUCHAPALI-SH2



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Scale- 1:4,000

DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	GHU-1	753139.006	2276154.93	83°25'41.57544"	20°34'02.57124"
2	GHU-2	753121.701	2276504.204	83°25'41.15784"	20°34'13.93104"
3	GHU-3	753814.419	2276506.318	83°26'05.06436"	20°34'13.66392"
4	GHU-4	753411.364	2276244.444	83°25'51.02040"	20°34'05.34828"
5	GHU-5	753476.148	2276139.097	83°25'53.20164"	20°34'01.89336"
6	GUC-6	753537.277	2276014.051	83°25'55.24680"	20°33'57.79944"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	142	753278.1473	2276401.621	83°25'46.50384"	20°34'10.52148"
2	143	753297.7987	2276401.558	83°25'47.18208"	20°34'10.50960"
3	144	753305.26	2276387.27	83°25'47.43228"	20°34'10.04196"
4	145	753304.3075	2276340.201	83°25'47.37504"	20°34'08.51232"
5	146	753293.195	2276340.518	83°25'46.99164"	20°34'08.52816"
6	147	753281.8217	2276335.358	83°25'46.59672"	20°34'08.36580"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE GUCHIPALI-SH2						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Guchipali	825	Patra Jungal	0.376	0.152	0.158
Total forest area =				0.376	0.152	0.158

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

AGM & Project Director
SEP-TIG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

Forest Range Officer
Deogaon Range

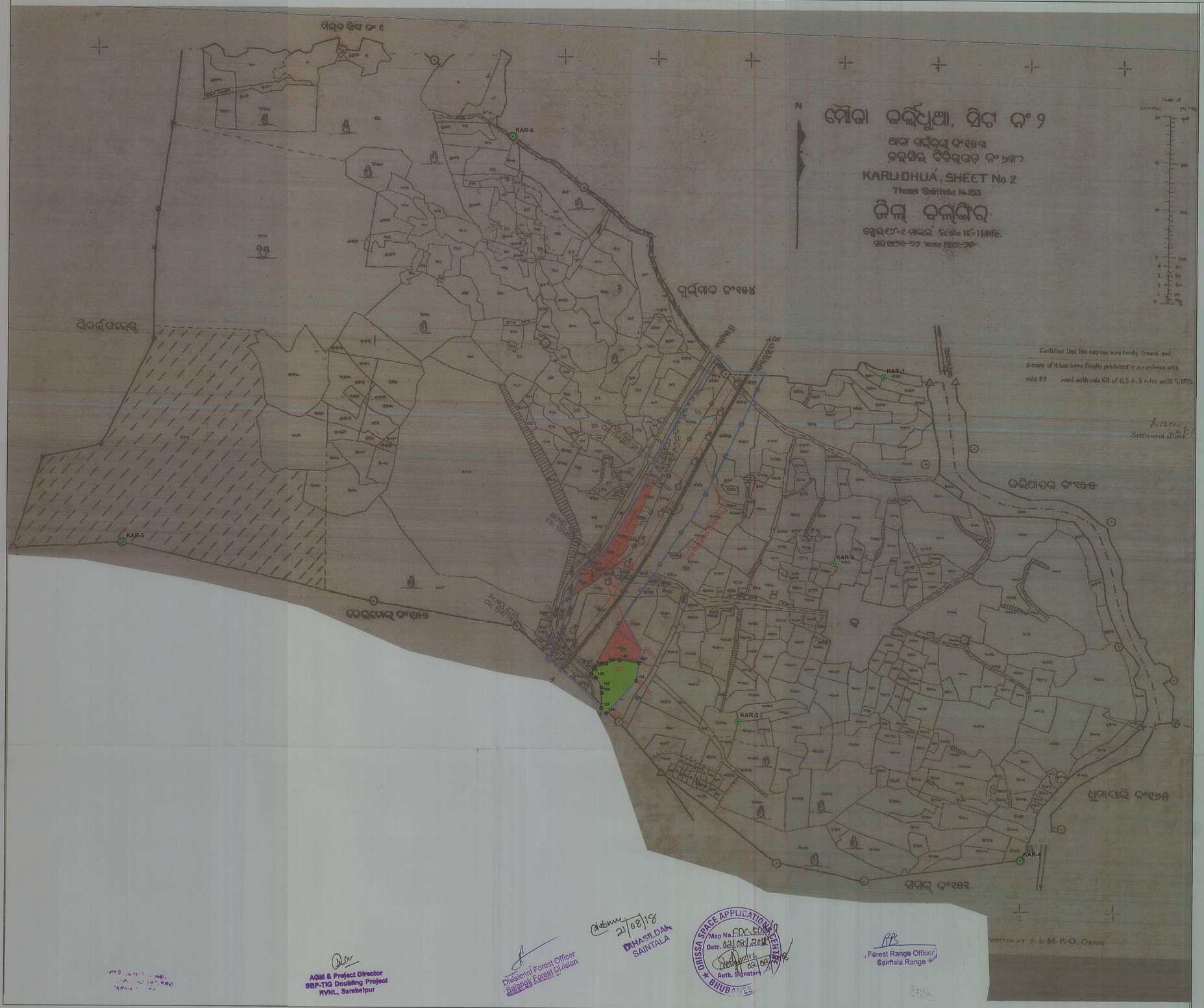
ORISSA SPACE APPLICATIONS CENTRE
Map No. FDX 50/2012
Date 02/08/2012
Auth. Signatory
BHUBANESWAR

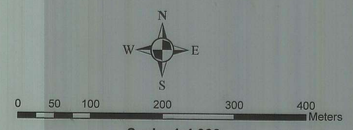
Surveyed and Prepared by-:

S.M. CONSULTANTS
BHUBANESWAR

CERTIFICATE :-
S.M.C.
S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
E. MAIL : support@smcindia.com, Web : www.smcindia.com

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE KARLIDHUA-SH2





Scale- 1:4,000

DGPS SURVEYED GEO–REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	KAR-1	748855.007	2266236.035	83°23'08.73456"	20°28'42.24612"
2	KAR-2	748749.516	2265835.93	83°23'04.89516"	20°28'29.29188"
3	KAR-3	748546.885	2265496.38	83°22'57.73620"	20°28'18.35184"
4	KAR-4	749156.334	2265202.396	83°23'18.60756"	20°28'08.50800"
5	KAR-5	747221.306	2265872.164	83°22'12.20556"	20°28'31.19088"
6	KAR-6	748053.183	2266745.783	83°22'41.33460"	20°28'59.19312"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	148	748231.5023	2265596.346	83°22'46.90884"	20°28'21.74988"
2	149	748239.9689	2265610.951	83°22'47.20836"	20°28'22.22076"
3	150	748264.099	2265618.359	83°22'48.04428"	20°28'22.45008"
4	151	748292.8857	2265625.556	83°22'49.04076"	20°28'22.67040"
5	152	748333.8996	2265620.06	83°22'50.45232"	20°28'22.47240"
6	153	748328.4193	2265581.926	83°22'50.24424"	20°28'21.23544"
7	154	748264.9192	2265511.679	83°22'48.01908"	20°28'18.98220"
8	155	748253.6582	2265522.818	83°22'47.63604"	20°28'19.34976"
9	156	748254.7856	2265555.071	83°22'47.69112"	20°28'20.39736"
10	157	748254.3623	2265566.713	83°22'47.68248"	20°28'20.77608"
11	158	748241.6623	2265588.091	83°22'47.25516"	20°28'21.47664"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE KARLIDHUA						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Karalidhua	321	Village Forest	1.616	0.654	0.652
Total forest area =				1.616	0.654	0.652

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

Surveyed and Prepare

CONSULTANT :

S.M.C.

DEL:

E.MAIL

AGM & Project Director
SBP-TIG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

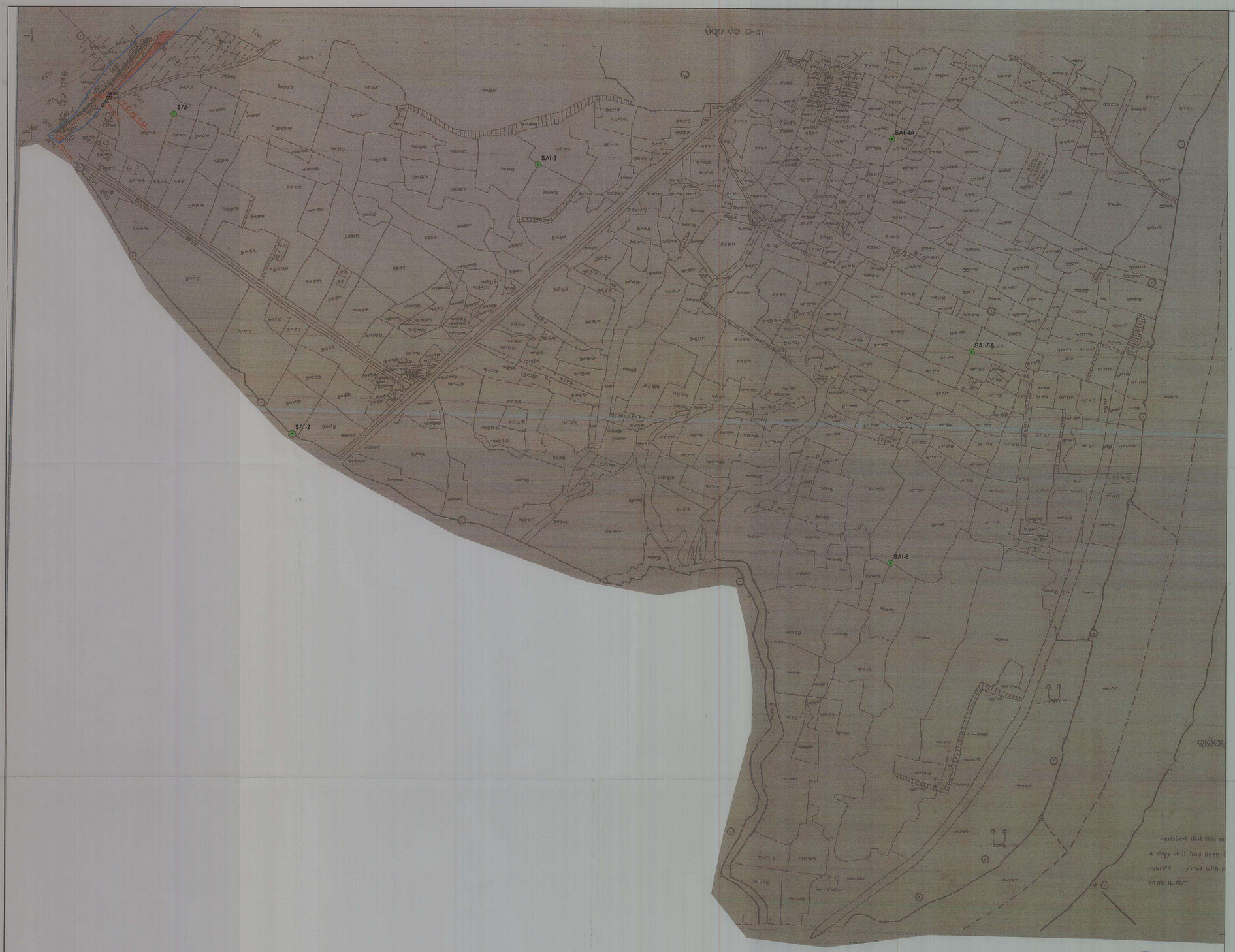
21/08/18
TAHASILDAR
SAINTALA

ORISSA SPACE APPLICATIONS CENTRE
Map No. EDC-6069
Date 02/08/2018
Auth. Signatory
BHUBANESWAR

Forest Range Officer
Saintala Range

PRINTED AT S. & M. P. O., ORISSA.

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE SAINTALA SH-6



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Scale- 1:4,000

DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	SAI-1	744877.815	2262249.908	83°20'49.58736"	20°26'34.55448"
2	SAI-2	745128.549	2261585.576	83°20'57.90516"	20°26'12.84504"
3	SAI-3	745642.402	2262147.211	83°21'15.90192"	20°26'30.86016"
4	SAI-4A	746382.001	2262203.956	83°21'41.43384"	20°26'32.35884"
5	SAI-5A	746551.288	2261760.402	83°21'47.05092"	20°26'17.86308"
6	SAI-6	746382.654	2261318.004	83°21'41.01624"	20°26'03.56280"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	159	744739.512	2262283.386	83°20'44.83464"	20°26'35.70684"
2	160	744744.2673	2262283.106	83°20'44.99844"	20°26'35.69568"
3	161	744728.7358	2262267.298	83°20'44.45484"	20°26'35.18916"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE SAGADAGHATA						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Saintala	2133	Village Forest	0.009	0.004	0.004
Total forest area =				0.009	0.004	0.004

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

AGM & Project Director
SBP-TIG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

21/08/18
TAHASILDAR
SAINTALA

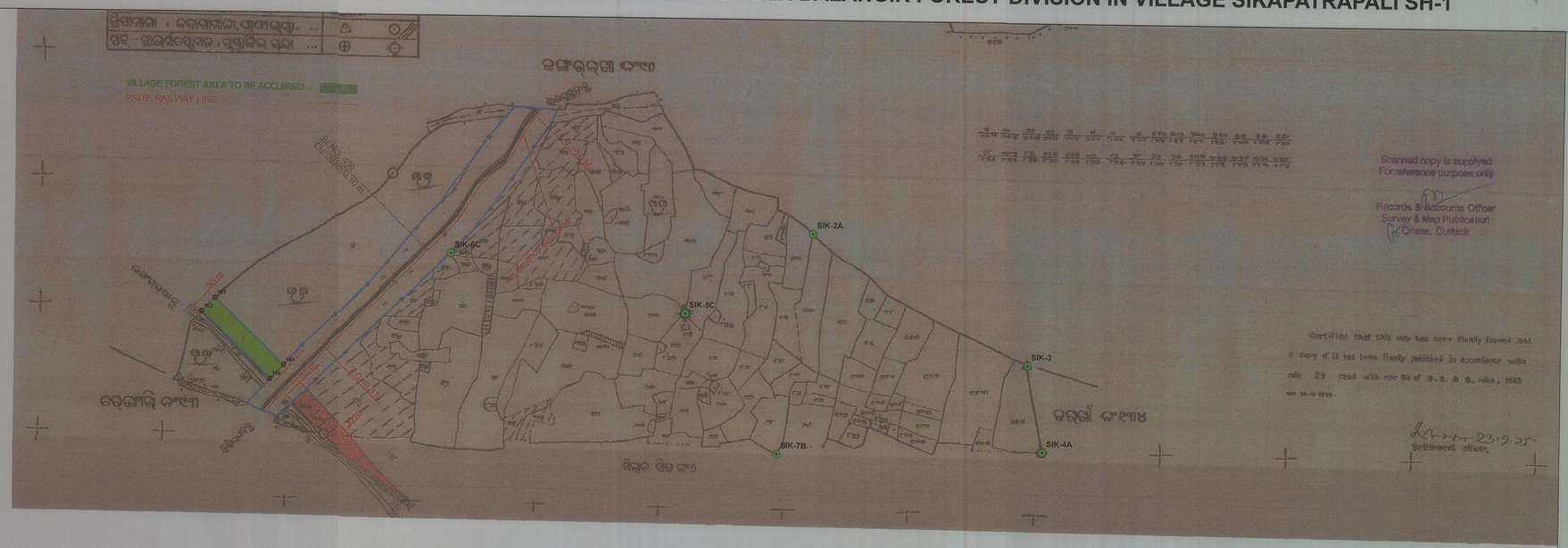
Forest Range Officer
Saintala Range

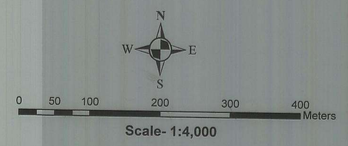
ORISSA SPACE APPLICATIONS CENTRE
Map No. FDC-50/2010
Date 09/08/2018
Auth. Signatory
BHUBANESWAR

Surveyed and Prepared by-:

S.M. CONSULTANTS
BHUBANESWAR
CONSULTANT :-
S.M.C.
S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
E. MAIL : support@smcindia.com, Web : www.smcindia.com

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE SIKAPATRAPALI SH-1





DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	SIK-2A	742195.024	2259344.216	83°19'15.65652"	20°25'01.35048"
2	SIK-3	742540.22	2259138.914	83°19'27.45804"	20°24'54.51876"
3	SIK-4A	742566.143	2259001.334	83°19'28.28460"	20°24'50.03496"
4	SIK-5C	741991.985	2259214.545	83°19'08.59260"	20°24'57.22884"
5	SIK-6C	741614.367	2259306.251	83°18'55.61784"	20°25'00.38280"
6	SIK-7B	742141.437	2258992.721	83°19'13.63764"	20°24'49.95000"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	162	741216.5627	2259207.058	83°18'41.85396"	20°24'57.34116"
2	163	741237.6841	2259228.791	83°18'42.59268"	20°24'58.03776"
3	164	741349.4708	2259122.627	83°18'46.39536"	20°24'54.53568"
4	165	741327.6426	2259100.468	83°18'45.63180"	20°24'53.82576"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE SIKAPATRAPALI						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Sikapatrapali	2	Village Forest	1.135	0.459	0.471
Total forest area =				1.135	0.459	0.471

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

AGM & Project Director
SBP-TTG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

21/08/18
TAHASILDAR
SAINTALA

Range Officer
Titilagarh Forest Range

ORISSA SPACE APPLICATION CENTRE
Map No. FDC-5027
Date 02/08/2018
Auth. Signatory
BHUBANESWAR

Surveyed and Prepared by-:

EXPERTISE :-
S.M.C.

S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
E. MAIL : support@smcindia.com, Web : www.smcindia.com

S.M. CONSULTANTS BHUBANESWAR

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE SAGADAGHATA SH-2

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Scale- 1:4,000

DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	SAG-1	727461.239	2248840.39	83°10'42.83400"	20°19'26.46804"
2	SAG-11D	728711.623	2250071.54	83°11'26.48760"	20°20'05.95032"
3	SAG-2	728462.803	2250302.889	83°11'18.01824"	20°20'13.57836"
4	SAG-3	728839.587	2249760.999	83°11'30.75504"	20°19'55.80048"
5	SAG-5	727674.871	2250261.616	83°10'50.84400"	20°20'12.57612"
6	SAG-6	728110.38	2248921.825	83°11'05.24148"	20°19'28.83612"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	166	729097.2856	2250017.475	83°11'39.75396"	20°20'04.02612"
2	167	728993.4365	2249975.37	83°11'36.15576"	20°20'02.70240"
3	168	729000.6516	2249967.707	83°11'36.40056"	20°20'02.45004"
4	169	728432.5124	2249599.297	83°11'16.65240"	20°19'50.71980"
5	170	728350.9168	2249566.515	83°11'13.82532"	20°19'49.68912"
6	171	728297.7354	2249528.68	83°11'11.97528"	20°19'48.48240"
7	172	728304.9992	2249526.289	83°11'12.22440"	20°19'48.40140"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE SAGADAGHATA						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Sagadaghat	1519	Village Forest	0.12	0.049	0.056
2	Sagadaghat	1458	Bada Jangal	0.195	0.079	0.121
Total forest area =				0.315	0.128	0.177

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

Surveyed and Prepared by-:

CONSULTANT :-
S.M.C.
S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
E. MAIL : support@smcindia.com, Web : www.smcindia.com

S.M. CONSULTANTS BHUBANESWAR

ORISSA SPACE APPLICATIONS CENTRE
Map No. F.D.C-60/14
Date 02/08/2018
Auth. Signatory
BHUBANESWAR

Addl. & Project Director
SE R-TIG Doubling Project
RVNL, Sambalpur

Divisional Forest Officer
Balangir Forest Division

23/8/18
TAHASILDAR
TITLAGARH

Range Officer
Titilagarh Forest Range

MAP SHOWING DGPS SURVEYED FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE UNDER BALANGIR FOREST DIVISION IN VILLAGE MANIGAON SH-4

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Scale- 1:4,000

DGPS SURVEYED GEO-REFERENCED POINT CO-ORDINATES					
Sl_No	Point_Id	Easting	Northing	Longitude	Latitude
1	MAN-10	726767.578	2248984.382	83°10'18.99516"	20°19'31.44612"
2	MAN-11D	726633.569	2248315.888	83°10'14.07360"	20°19'09.77268"
3	MAN-12D	726750.268	2248085.241	83°10'17.99040"	20°19'02.22492"
4	MAN-13	727158.79	2248779.436	83°10'32.38356"	20°19'24.61620"
5	MAN-14C	727269.665	2249062.227	83°10'36.33312"	20°19'33.76164"
6	MAN-8	726919.349	2249371.763	83°10'24.40128"	20°19'43.97412"
7	MAN-9	726830.703	2249132.155	83°10'21.23760"	20°19'36.22296"

DERIVE FOREST BOUNDARY PILLAR CO-ORDINATES					
Sl_No	Pillar_Id	Easting	Northing	Longitude	Latitude
1	173	726717.1777	2248326.082	83°10'16.95936"	20°19'10.06824"
2	174	726711.3833	2248322.66	83°10'16.75812"	20°19'09.95952"
3	175	726655.5032	2248273.976	83°10'14.81052"	20°19'08.40072"
4	176	726658.0157	2248263.383	83°10'14.89224"	20°19'08.05548"

STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SAMBALPUR-TITILAGARH DOUBLING RAILWAY LINE IN VILLAGE MANIGAON						
Sl_No	Village_Name	Plot_No	Kisam	Allotted Area_Ac.	Allotted Area_Ha.	Map Area_Ha.
1	Manigaon	1182	Patra Jungal	0.084	0.034	0.043
Total forest area =				0.084	0.034	0.043

Legend

- Geo-reference Points
- Derive Forest boundary Pillars
- Railway Corridor
- Forest Plots

Divisional Forest Officer
Balangir Forest Division

23/7/18
TAHASILDAR
TITILAGARH

Range Officer
Titilagarh Forest Range

ORISSA SPACE APPLICATIONS CENTRE
Map No. FDL-5
Date 02/08/2018
Auth. Signatory
BHUBANESWAR

Surveyed and Prepared by-:

S.M. CONSULTANTS
BHUBANESWAR

CONFIDENT »
S.M.C.

S.M. CONSULTANTS
(An ISO 9001 : 2008 Certified Organisation)
DELHI / BHUBANESWAR / BALASORE / PORTBLAIR / SECUNDERABAD
E. MAIL : support@smcindia.com, Web : www.smcindia.com