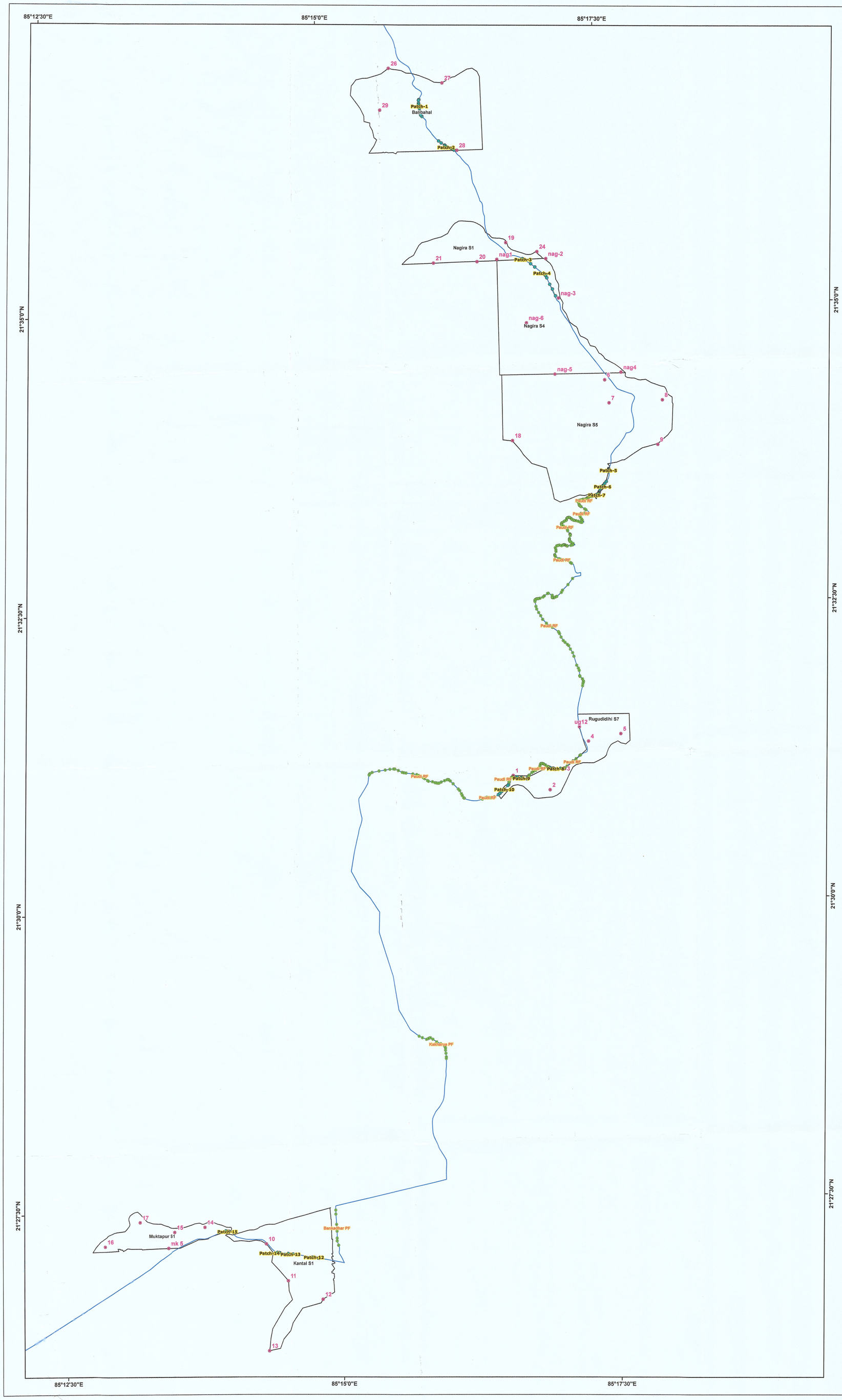

INDEX MAP

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for JSPL Slurry Pipeline, Deogarh Forest Division, Odisha

N S W E

0 0.5 1 2 3 4 5 Km

Scale - 1:25,000

- Revenue Forest Pillar
- RF Pillar
- DGPS Observation Point
- P-1 Forest Patch
- RF Boundary
- Village Boundary
- Slurry Pipeline

CO-ORDINATES OF SCP/DGPS OBSERVATION POINT

Village Name	Observation ID	Easting	Northing	Longitude	Latitude
Balibahal S1	28	321008.897	2390156.233	E85°16'15.15054"	N21°36'19.77205"
	29	319832.918	2390818.373	E85°15'34.00973"	N21°36'40.87244"
	27	320812.471	2391206.059	E85°16'07.91549"	N21°36'53.83199"
	26	319987.435	2391461.169	E85°15'39.13184"	N21°37'01.82654"
Kantal S1	13	317476.158	2371700.822	E85°14'19.57232"	N21°26'18.48150"
	12	318337.206	2372463.125	E85°14'49.17620"	N21°26'43.57884"
	10	317481.655	2373353.938	E85°14'19.11778"	N21°27'12.22822"
	11	317801.937	2372769.331	E85°14'30.46864"	N21°26'53.33898"
Muktapur S1	16	314962.402	2373408.286	E85°12'51.60679"	N21°27'13.06759"
	14	316534.492	2373649.689	E85°13'46.10811"	N21°27'21.49617"
	15	316062.21	2373588.745	E85°13'29.73020"	N21°27'19.34098"
	17	315519.454	2373762.863	E85°13'10.81222"	N21°27'24.80136"
	mk 5	315949.12	2373345.589	E85°13'25.89850"	N21°27'11.39407"
Nagira S1	20	321267.786	2388424.112	E85°16'24.81905"	N21°35'23.55223"
	24	322202.578	2388545.954	E85°16'57.26735"	N21°35'27.84968"
	19	321723.891	2388701.89	E85°16'40.56721"	N21°35'32.74742"
	21	320589.568	2388426.724	E85°16'01.24205"	N21°35'23.39215"
Nagira S4	nag1	321577.784	2388448.31	E85°16'35.58579"	N21°35'24.45064"
	nag-2	322338.157	2388431.953	E85°17'02.02405"	N21°35'24.19195"
	nag-5	322421.668	2386640.197	E85°17'05.61307"	N21°34'25.96932"
	nag4	323451.374	2386635.099	E85°17'41.40575"	N21°34'26.17108"
	nag-3	322515.515	2387815.442	E85°17'08.42538"	N21°35'04.21184"
	nag-6	322004.78	2387451.691	E85°16'50.81151"	N21°34'52.20270"
Nagira S5	18	321729.673	2385636.232	E85°16'41.94633"	N21°33'53.08085"
	6	323193.794	2386524.538	E85°17'32.49485"	N21°34'22.48486"
	8	324082.768	2386183.93	E85°18'03.52299"	N21°34'11.72708"
	7	323250.091	2386165.53	E85°17'34.58834"	N21°34'10.83298"
	9	323988.369	2385497.502	E85°18'00.50220"	N21°33'49.37665"

Area Statement of Revenue Forest:-

Sl No	Village Name	Patch No	Plot No	Proposed Forest Area for Diversion		DGPS Surveyed Area		Kisam
				in Acre	in Hectare	in Acre	in Hectare	
1	Balibahal S1	Patch-1	60	0.060	0.024	0.061	0.025	Abad Ajogya Anabadi
2			79	0.019	0.008	0.021	0.008	Abad Ajogya Anabadi
3		Patch-2	131	0.082	0.033	0.085	0.034	Abad Ajogya Anabadi
4	Nagira S1	Patch-3	149	0.012	0.005	0.007	0.003	Rakhita
5	Nagira S4	Patch-4	152	0.123	0.050	0.137	0.056	Abad Ajogya Anabadi
6			155	0.03	0.012	0.033	0.013	Rakhita
7			157	0.025	0.010	0.025	0.010	Forest-2
8			159	0.019	0.008	0.026	0.010	Abad Ajogya Anabadi
9			160	0.009	0.004	0.010	0.004	Forest-2
10	Nagira S5	Patch-5	579	0.01	0.004	0.010	0.004	Abad Ajogya Anabadi
11		Patch-6	587	0.055	0.022	0.054	0.022	Abad Ajogya Anabadi
12		Patch-7	588	0.030	0.012	0.031	0.012	Abad Ajogya Anabadi
13	Rugudidiha S7	Patch-8	395	0.258	0.104	0.233	0.094	Abad Ajogya Anabadi
14		Patch-9						
15		Patch-10						
16	Kantal S1	Patch-11	198	0.013	0.005	0.017	0.007	Abad Ajogya Anabadi
17		Patch-12						
18		Patch-13	71	0.023	0.009	0.023	0.009	Abad Ajogya Anabadi
19		Patch-14	43	0.008	0.003	0.011	0.004	Abad Ajogya Anabadi
	Muktapur S1	Patch-15	25	0.013	0.005	0.015	0.006	Abad Ajogya Anabadi
			Total Area	**0.789**	**0.319**	**0.798**	**0.323**	

RF Name	Patch id	DGPS Surveyed Area	
		in Acre	in Hectare
Paudi RF	Patch-1	0.156	0.054
	Patch-2	0.057	0.023
	Patch-3	0.231	0.094
	Patch-4	0.212	0.086
	Patch-5	0.706	0.286
Paudi RF	Patch-6	0.100	0.041
	Patch-7	0.119	0.048
	Patch-8	0.029	0.012
	Patch-9	0.059	0.024
	Patch-10	0.503	0.204
Kakharua PF	Patch-11	0.192	0.078
Bankadhar PF	Patch-12	0.163	0.066
	Total Area	**2.529**	**1.015**

- DGPS survey of forest areas proposed for diversion by the Barbil-Angul Slurry pipeline project of M/s. Jindal Steel & Power Ltd. coming under Deogarh Forest Division has been carried out by the user agency through M/s. SPARC Pvt. Ltd., Bhubaneswar.
- The surveyed co-ordinates are verified by OSSAC. Also the maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets and compared with ortho-rectified Cartosat Satellite image (for revenue forest areas) and with survey points (for R.F. areas) and found that the maps are correct at a confidence level of 95%.
- All the forest areas proposed for diversion by the slurry pipe line corridor comes in seven cadastral sheets of five revenue villages and twelve patches of R.F.. Total forest areas proposed for diversion works out to 1.337 Ha. from the submitted ship files include 0.323 Ha. revenue forest area and 1.015 Ha. R.F. area against the mentioned 0.319 Ha. revenue forest area mentioned in the submitted land schedule.
- Additional 11 map sheets are attached here with showing cadastral sheet wise revenue forest areas and patch wise R.F. areas proposed for diversion.

28/12/2015
(Ashok Kr. Paramanik)
Scientist 'SE'

ORISSA SPACE APPLICATIONS CENTRE
Map No. FDL-247
Date 28/12/2015
Auth. Signatory
BHUBANESWAR

Forest Range Officer
Pallahara Range

Spatial Planning & Analysis Research Centre Pvt. Ltd.
E/11, INFOCITY, Chandaka Industrial Estate
Chandrasekharpur, Bhubaneswar-751024 (INDIA)
Ph.: 0674-6629 301, 302, 303, Fax: 0674-6629 304

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt, Ltd.,
E/11,Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.