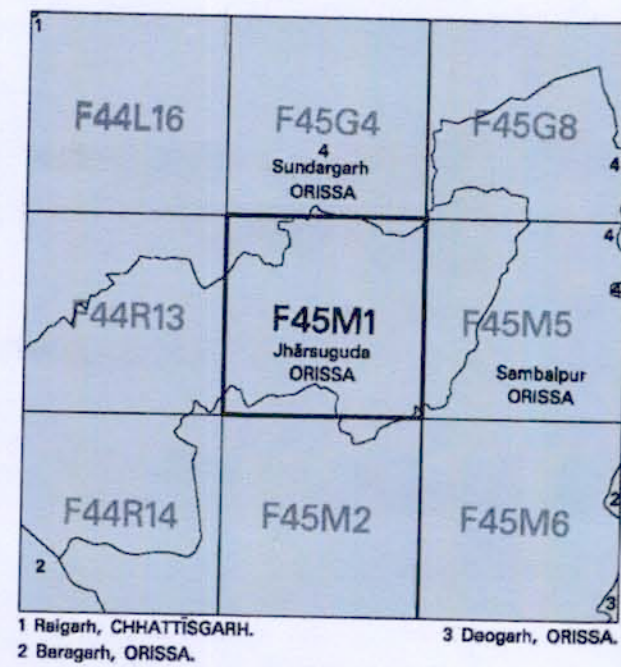




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MAP

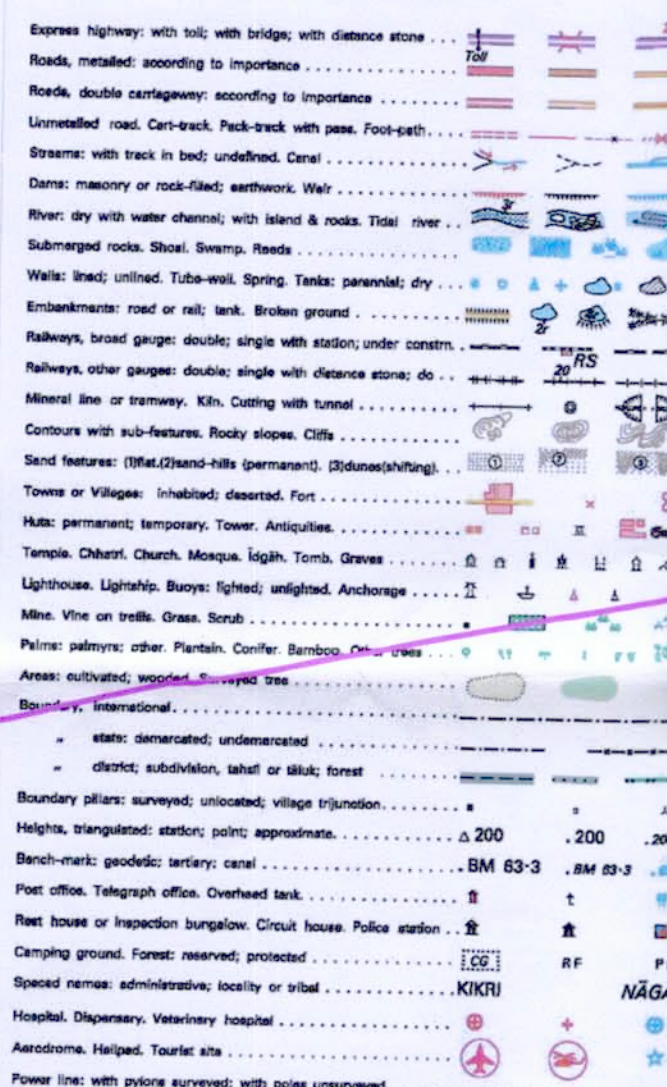
No. F45M1

Scale 1:50,000



भारतीय सर्वेक्षण विभाग
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CONVENTIONAL SYMBOLS



Route of proposed ABPL pipeline
Route of proposed TRL pipeline

REFERENCES
HY 200 National Highway No. 200, PWD Public Works Department, P.W. Primary Health Centre.

NOTES :-
1. Heights are in metres and above Indian mean sea level.
2. Contours are approximate.
3. A relative height, 'h', represents the approximate height, in metres, between the top and bottom of the object shown.
4. The subdivision boundary between Jharsuguda and Sambalpur Subdivisions has been assigned to district boundary as per the information provided in the Gazette Notification, 1982 of Government of Orissa.
5. The triangulated heights and contours in this sheet have not been adjusted to the heights of the 1984-1985 bench-marks and may not be strictly in accordance with them.
6. The heights shown in this sheet are usually correct water level in dry season.
7. Remotely located roads and cart-roads in this sheet are generally indicated in dry season.
8. Ponds are shown thus.

COMPILED INDEX
A. Compiled from 1:50,000 survey 1961-62.
B. Updated for major details during 2003-04.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1° West in 2005.
(Decreasing by about 1' annually)

Scale 1:50,000
1 cm to 1 km

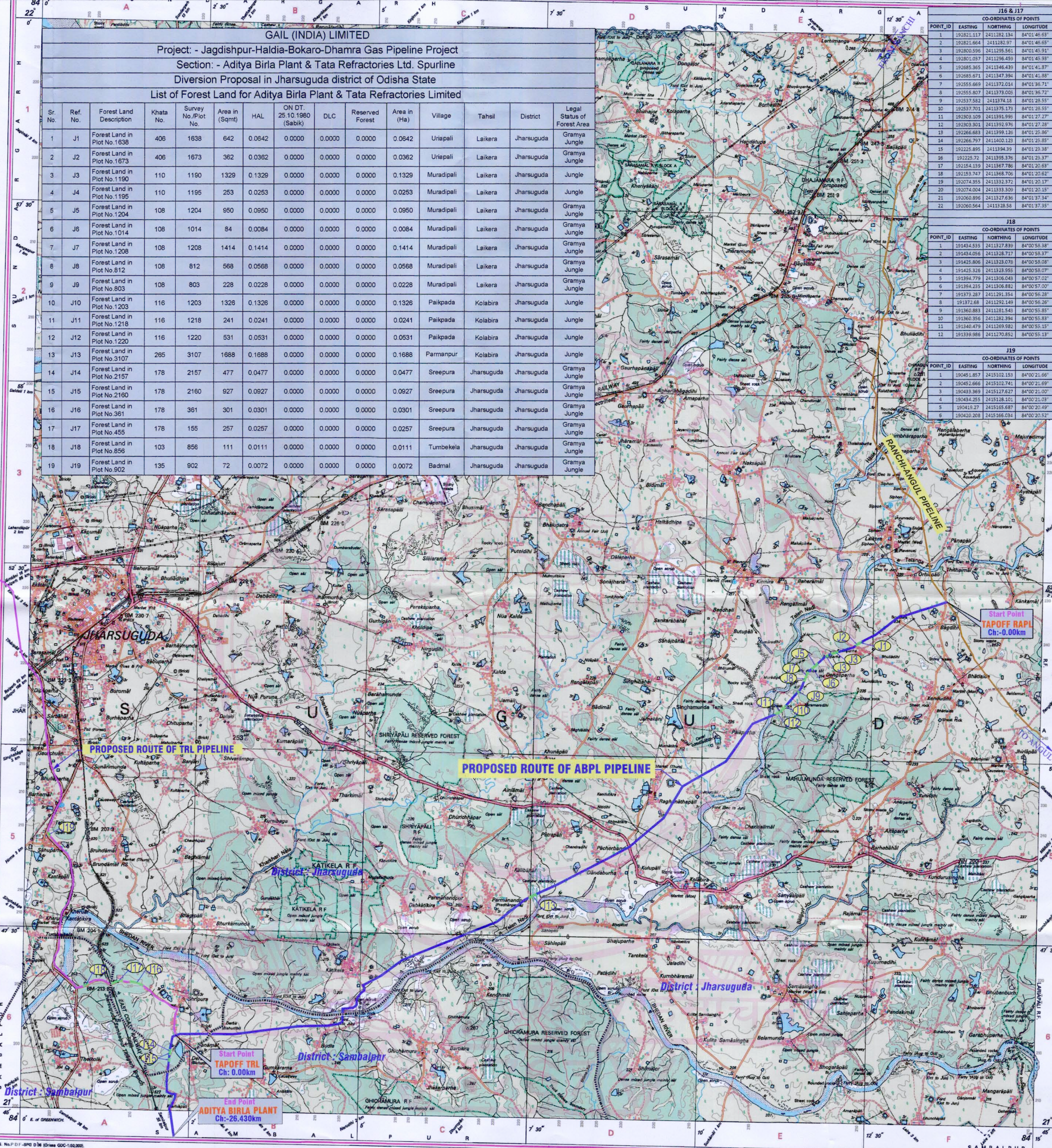
CONTOUR INTERVAL 20 METRES

For further details about this map, please contact:
Director
Orissa Geo-Spatial Data Centre
Survey of India
Survey Bhawan, P.O. - R.R. Laboratory
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J1 & J2			
POINT-ID	EASTING	NORTHING	LONGITUDE
1	211168.248	240006.236	84°01'46.63"
2	211164.878	241999.489	84°01'46.63"
3	211110.845	241967.819	84°01'46.63"
4	211102.034	241974.01	84°01'46.63"
5	211092.429	241969.724	84°01'46.63"
6	211080.603	241965.024	84°01'46.63"
7	211078.872	241959.722	84°01'46.63"
8	211068.315	241951.626	84°01'46.63"
9	211074.649	241947.181	84°01'46.63"
10	211068.651	241936.547	84°01'46.63"
J3, J4, J5, J6 & J7			
POINT-ID	EASTING	NORTHING	LONGITUDE
1	210600.087	241976.544	84°01'46.63"
2	210577.512	241976.367	84°01'46.63"
3	210439.672	241975.580	84°01'46.63"
4	210442.820	241971.815	84°01'46.63"
5	210317.558	241967.267	84°01'46.63"
6	210292.000	241964.314	84°01'46.63"
7	210286.541	241961.783	84°01'46.63"
8	210316.438	241967.806	84°01'46.63"
9	210048.796	241946.159	84°01'46.63"
10	210058.638	241946.446	84°01'46.63"
11	210045.963	241944.775	84°01'46.63"
12	210039.992	241945.772	84°01'46.63"
13	210019.175	241943.092	84°01'46.63"
14	210023.475	241941.326	84°01'46.63"
15	210004.465	241941.311	84°01'46.63"
16	209996.335	241941.369	84°01'46.63"
17	209942.361	241934.821	84°01'46.63"
18	209942.777	241936.487	84°01'46.63"
19	209932.045	241936.177	84°01'46.63"
20	209936.221	241935.763	84°01'46.63"
21	209913.717	241935.841	84°01'46.63"
22	209903.365	241935.325	84°01'46.63"
23	209752.707	241908.818	84°01'46.63"
24	209752.412	241811.507	84°01'46.63"
J8 & J9			
POINT-ID	EASTING	NORTHING	LONGITUDE
1	208851.498	240426.734	84°01'46.63"
2	208738.293	240004.428	84°01'46.63"
3	208934.244	241954.973	84°01'46.63"
4	208789.692	241905.132	84°01'46.63"
5	208557.453	241907.806	84°01'46.63"
6	208235.612	242014.892	84°01'46.63"
J10, J11 & J12			
POINT-ID	EASTING	NORTHING	LONGITUDE
1	209234.594	2418391.599	84°01'46.63"
2	209247.570	2418390.412	84°01'46.63"
3	209209.577	241834.179	84°01'46.63"
4	209197.361	241834.495	84°01'46.63"
5	209201.623	241836.620	84°01'46.63"
6	209188.568	241834.725	84°01'46.63"
7	209182.888	241836.615	84°01'46.63"
8	209178.060	241835.530	84°01'46.63"
9	209168.916	241835.467	84°01'46.63"
10	209170.460	241830.751	84°01'46.63"
11	209150.076	241828.185	84°01'46.63"
12	209149.956	241826.406	84°01'46.63"
13	209144.316	241829.306	84°01'46.63"
14	209120.014	241824.350	84°01'46.63"
15	209116.567	241825.066	84°01'46.63"
16	209106.121	241824.865	84°01'46.63"
17	209099.462	241824.507	84°01'46.63"
18	209095.318	241823.493	84°01'46.63"
19	209105.014	241823.759	84°01'46.63"
20	209111.624	241823.759	84°01'46.63"
21	209074.047	241822.400	84°01'46.63"
22	209066.712	241823.550	84°01'46.63"
23	209014.915	241823.721	84°01'46.63"
24	209030.754	241820.417	84°01'46.63"
J13			
POINT-ID	EASTING	NORTHING	LONGITUDE
1	202866.673	241360.364	84°01'46.63"
2	202862.439	2413601.429	84°01'46.63"
3	202800.838	2413607.528	84°01'46.63"
4	202723.29	2413625.378	84°01'46.63"
5	202723.599	2413636.859	84°01'46.63"
J14 & J15			
POINT-ID	EASTING	NORTHING	LONGITUDE
1	193535.429	240931.329	84°01'46.63"
2	193546.033	240928.686	84°01'46.63"
3	193541.410	240958.778	84°01'46.63"
4	193530.910	2409561.999	84°01'46.63"
5	193527.428	2409552.070	84°01'46.63"
6	193532.581	2409506.216	84°01'46.63"
7	193524.072	2409426.736	84°01'46.63"
8	193518.063	2409390.077	84°01'46.63"
9	193511.860	2409380.355	84°01'46.63"
10	193509.752	2409381.440	84°01'46.63"
11	193512.949	2409386.284	84°01'46.63"



GAIL (India) LIMITED.
(A Govt. of India Undertaking)
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B-35, 36 SECTOR-1, NOIDA 201301, G.B. NAGAR(U.P.) India

Jagdishpur-Haldia-Bokaro-Dhamra Gas Pipeline Project

Aditya Birla Plant (Bokaro-Angul Pipeline - 3A Main-pipeline)
Tata Refractories Ltd (IP 30/1) of ABPL Spur Line)

Details of Revenue Forest
to be Diverted in Jharsuguda District

SOI MAP



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ABPL - TRL

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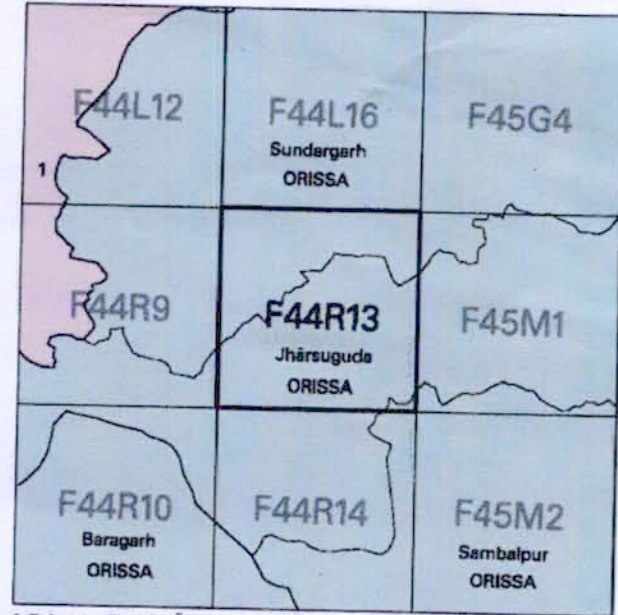
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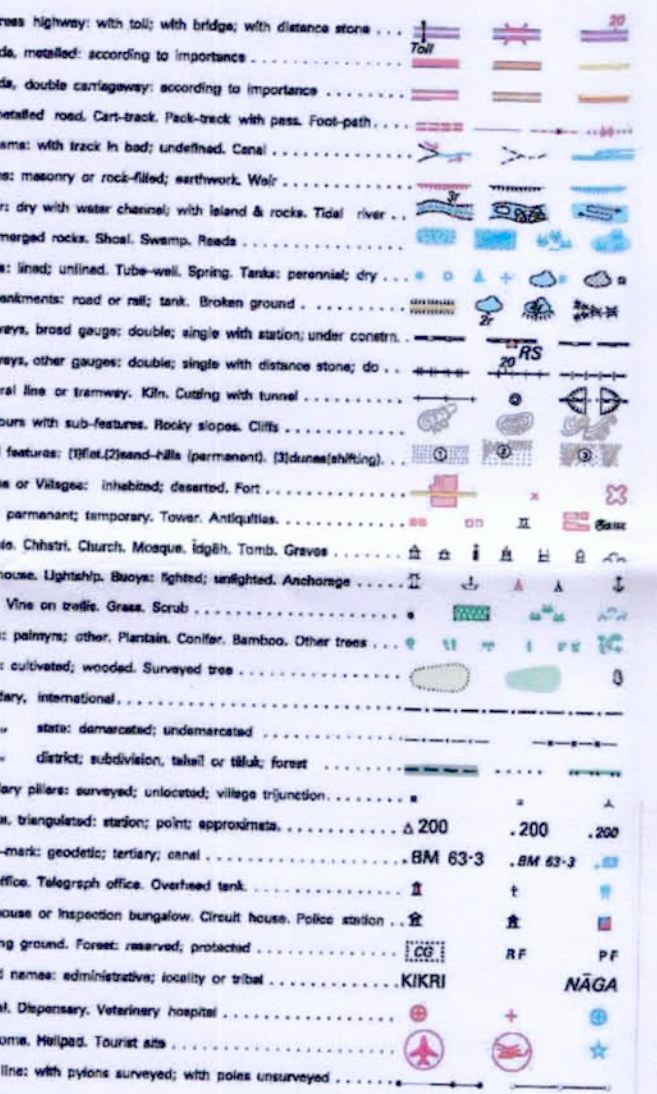


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CONVENTIONAL SYMBOLS



Route of proposed TRL pipeline

REFERENCES

1. Survey of India, 1:50,000 Survey 1975-80. Updated for major details during 2004-05.

NOTES

1. In this map, the contour interval is 20 m. The contour interval is 20 m. The contour interval is 20 m.

PROJECTION INDEX

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1° West in 2005.

For further details about this map, please contact
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GAIL (INDIA) LIMITED														
Project: - Jagdishpur-Haldia-Bokaro-Dhamra Gas Pipeline Project														
Section: - ABPL & TRL Spurline														
Diversion Proposal in Jharsuguda district of Odisha State														
List of Forest Land for Aditya Birla Plant &Tata Refractories Limited Spur line														
Sr. No.	Ref. No.	Forest Land Description	Khata No.	Survey No./Plot No.	Area in (Sqm)	HAL	ON DT. 26.10.1980 (Sabit)	DLC	Reserved Forest	Area in (Ha)	Village	Tahsil	District	Legal Status of Forest Area
20	J20	Forest Land in Plot No.1812	173	1812	441	0.0441	0.0000	0.0000	0.0000	0.0441	Lahandabuda	Jharsuguda	Jharsuguda	Gramya Jungle
21	J21	Forest Land in Plot No.5683	462	5683	63	0.0063	0.0000	0.0000	0.0000	0.0063	Hansamura Katapali	Jharsuguda	Jharsuguda	Gramya Jungle
22	J22	Forest Land in Plot No.4962	462	4962	381	0.0381	0.0000	0.0000	0.0000	0.0381	Hansamura Katapali	Jharsuguda	Jharsuguda	Gramya Jungle
23	J23	Forest Land in Plot No.2108	633	2108	23	0.0023	0.0000	0.0000	0.0000	0.0023	Brajarajnagar town Unit No-2	Jharsuguda	Jharsuguda	Bada Jungle
24	J24	Forest Land in Plot No.2110	633	2110	23	0.0023	0.0000	0.0000	0.0000	0.0023	Brajarajnagar town Unit No-2	Jharsuguda	Jharsuguda	Bada Jungle
25	J25	Forest Land in Plot No.2112	633	2112	14	0.0014	0.0000	0.0000	0.0000	0.0014	Brajarajnagar town Unit No-2	Jharsuguda	Jharsuguda	Bada Jungle
26	J26	Forest Land in Plot No.728	311	728	186	0.0186	0.0000	0.0000	0.0000	0.0186	Brajarajnagar town Unit No-3	Jharsuguda	Jharsuguda	Jungle
27	J27	Forest Land in Plot No.540	309	540	78	0.0078	0.0000	0.0000	0.0000	0.0078	Brajarajnagar town Unit No-3	Jharsuguda	Jharsuguda	Gramya Jungle
28	J28	Forest Land in Plot No.9120	13	9120	310	0.0310	0.0000	0.0000	0.0000	0.0310	Junanimunda	Jharsuguda	Jharsuguda	Gramya Jungle
29	J29	Forest Land in Plot No.9	13	9	394	0.0394	0.0000	0.0000	0.0000	0.0394	Junanimunda	Jharsuguda	Jharsuguda	Bada Jungle
30	J30	Forest Land in Plot No.8	13	8	90	0.0090	0.0000	0.0000	0.0000	0.0090	Junanimunda	Jharsuguda	Jharsuguda	Bada Jungle
31	J31	Forest Land in Plot No.8110	15	8110	62	0.0000	0.0062	0.0000	0.0000	0.0062	Junanimunda	Jharsuguda	Jharsuguda	Ata Sadharana
32	J32	Forest Land in Plot No.1	13	1	207	0.0207	0.0000	0.0000	0.0000	0.0207	Junanimunda	Jharsuguda	Jharsuguda	Bada Jungle
33	J33	Forest Land in Plot No.98439	59	98439	90	0.0090	0.0000	0.0000	0.0000	0.0090	Amdaha	Jharsuguda	Jharsuguda	Bada Jungle
34	J34	Forest Land in Plot No.98	59	98	24	0.0024	0.0000	0.0000	0.0000	0.0024	Amdaha	Jharsuguda	Jharsuguda	Bada Jungle
35	J35	Forest Land in Plot No.98	59	98	415	0.0415	0.0000	0.0000	0.0000	0.0415	Amdaha	Jharsuguda	Jharsuguda	Bada Jungle
36	J36	Forest Land in Plot No.342	59	342	146	0.0146	0.0000	0.0000	0.0000	0.0146	Amdaha	Jharsuguda	Jharsuguda	Bada Jungle
37	J37	Forest Land in Plot No.341	59	341	363	0.0363	0.0000	0.0000	0.0000	0.0363	Amdaha	Jharsuguda	Jharsuguda	Bada Jungle
38	J38	Forest Land in Plot No.343	1	343	424	0.0000	0.0424	0.0000	0.0000	0.0424	Amdaha	Jharsuguda	Jharsuguda	Road
39	J39	Forest Land in Plot No.343/438	1	343/438	242	0.0000	0.0242	0.0000	0.0000	0.0242	Amdaha	Jharsuguda	Jharsuguda	Road
40	J40	Forest Land in Plot No.141	112	141	24	0.0024	0.0000	0.0000	0.0000	0.0024	Chualberma	Lakhanpur	Jharsuguda	Patra Jungle
41	J41	Forest Land in Plot No.142	1	142	53	0.0000	0.0053	0.0000	0.0000	0.0053	Chualberma	Lakhanpur	Jharsuguda	Sadak
42	J42	Forest Land in Plot No.144	1	144	66	0.0000	0.0066	0.0000	0.0000	0.0066	Chualberma	Lakhanpur	Jharsuguda	Sadak
43	J43	Forest Land in Plot No.145	112	145	15	0.0015	0.0000	0.0000	0.0000	0.0015	Chualberma	Lakhanpur	Jharsuguda	Patra Jungle
44	J44	Forest Land in Plot No.149	112	149	121	0.0121	0.0000	0.0000	0.0000	0.0121	Chualberma	Lakhanpur	Jharsuguda	Patra Jungle
45	J45	Forest Land in Plot No.173	111	173	56	0.0000	0.0056	0.0000	0.0000	0.0056	Chualberma	Lakhanpur	Jharsuguda	Sadak
46	J46	Forest Land in Plot No.2269	1267	2269	203	0.0203	0.0000	0.0000	0.0000	0.0203	Belphar	Lakhanpur	Jharsuguda	Bada Jungle
47	J47	Forest Land in Plot No.2303	1267	2303	70	0.0070	0.0000	0.0000	0.0000	0.0070	Belphar	Lakhanpur	Jharsuguda	Bada Jungle
48	J48	Forest Land in Plot No.2304	1267	2304	82	0.0082	0.0000	0.0000	0.0000	0.0082	Belphar	Lakhanpur	Jharsuguda	Bada Jungle
49	J49	Forest Land in Plot No.2305	1267	2305	90	0.0090	0.0000	0.0000	0.0000	0.0090	Belphar	Lakhanpur	Jharsuguda	Bada Jungle
50	J50	Forest Land in Plot No.2086	1267	2086	61	0.0061	0.0000	0.0000	0.0000	0.0061	Belphar	Lakhanpur	Jharsuguda	Bada Jungle



J20				
CO-ORDINATES OF POINTS				
POINT_ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	808746.936	2421588.750	83°59'14.84"	21°52'16.89"
2	808746.743	2421589.732	83°59'14.83"	21°52'16.92"
3	808439.781	2421526.375	83°59'04.11"	21°52'15.06"
4	808439.777	2421527.358	83°59'04.10"	21°52'15.09"
5	808387.140	2421515.494	83°59'02.27"	21°52'14.74"
6	808386.947	2421516.475	83°59'02.26"	21°52'14.77"
7	808261.814	2421490.878	83°58'57.89"	21°52'14.02"
8	808261.621	2421491.859	83°58'57.89"	21°52'14.05"
9	808609.465	2421561.757	83°59'10.04"	21°52'16.10"
10	808609.264	2421562.736	83°59'10.03"	21°52'16.13"

J21 & J22				
CO-ORDINATES OF POINTS				
POINT_ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	807942.254	2421428.207	83°58'46.79"	21°52'12.18"
2	807942.022	2421429.180	83°58'46.72"	21°52'12.21"
3	807881.381	2421413.653	83°58'44.60"	21°52'11.75"
4	807881.149	2421414.625	83°58'44.60"	21°52'11.78"
5	806781.173	2421167.085	83°58'06.15"	21°52'04.43"
6	806780.954	2421168.061	83°58'06.14"	21°52'04.46"
7	806505.546	2421105.089	83°57'56.52"	21°52'02.59"
8	806505.326	2421106.065	83°57'56.51"	21°52'02.62"
9	806425.422	2421085.727	83°57'53.72"	21°52'02.01"
10	806425.213	2421086.704	83°57'53.71"	21°52'02.04"
11	806329.392	2421065.166	83°57'50.36"	21°52'01.40"
12	806329.182	2421066.144	83°57'50.36"	21°52'01.43"

J23, J24, J25, J26 & J27				
CO-ORDINATES OF POINTS				
POINT_ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	796027.000	2415182.987	83°51'48.04"	21°48'56.67"
2	796027.954	2415182.687	83°51'48.07"	21°48'56.66"
3	796042.783	2415233.329	83°51'48.62"	21°48'58.30"
4	796043.737	2415233.030	83°51'48.65"	21°48'58.29"
5	796065.091	2415306.308	83°51'49.44"	21°49'00.65"
6	796066.048	2415306.019	83°51'49.48"	21°49'00.64"
7	796075.848	2415341.937	83°51'49.84"	21°49'01.79"
8	796076.805	2415341.648	83°51'49.87"	21°49'01.79"
9	796097.232	2415420.910	83°51'50.64"	21°49'04.36"
10	796098.205	2415420.681	83°51'50.67"	21°49'04.35"
11	796102.417	2415446.829	83°51'50.83"	21°49'05.20"
12	796103.398	2415446.636	83°51'50.87"	21°49'05.19"
13	796104.515	2415489.655	83°51'51.14"	21°49'06.58"
14	796111.398	2415489.468	83°51'51.17"	21°49'06.58"
15	796114.519	2415510.998	83°51'51.29"	21°49'07.27"
16	796115.502	2415510.814	83°51'51.33"	21°49'07.27"
17	796127.252	2415580.981	83°51'51.78"	21°49'09.54"
18	796128.233	2415580.786	83°51'51.82"	21°49'09.53"
19	796143.363	2415645.409	83°51'52.39"	21°49'11.62"
20	796144.316	2415645.098	83°51'52.42"	21°49'11.61"
21	796164.759	2415683.166	83°51'53.15"	21°49'12.84"
22	796165.628	2415682.673	83°51'53.18"	21°49'12.83"
1	799301.164	2420006.473	83°54'35.10"	21°51'31.37"
2	799301.114	2420007.471	83°54'35.09"	21°51'31.40"
3	799223.925	2420002.534	83°54'32.38"	21°51'31.29"
4	799223.274	2420003.532	83°54'32.38"	21°51'31.32"
1	800996.302	2420117.747	83°54'44.16"	21°51'33.94"
2	800996.051	2420118.715	83°54'44.15"	21°51'33.97"
3	800929.406	2420100.436	83°54'41.82"	21°51'33.42"
4	800929.289	2420101.431	83°54'41.81"	21°51'33.45"
5	800812.561	2420092.103	83°54'37.74"	21°51'33.22"
6	800812.490	2420093.101	83°54'37.74"	21°51'33.25"

J28, J29, J30, J31 & J32				
CO-ORDINATES OF POINTS				
POINT_ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	800358.489	2420062.921	83°54'21.92"	21°51'32.55"
2	800358.543	2420061.922	83°54'21.93"	21°51'32.52"
3	800048.934	2420045.265	83°54'11.14"	21°51'32.17"
4	800048.884	2420046.263	83°54'11.14"	21°51'32.20"
5	799655.825	2420025.283	83°53'57.45"	21°51'31.76"
6	799655.763	2420026.281	83°53'57.45"	21°51'31.79"
7	799655.588	2420019.357	83°53'54.31"	21°51'31.62"
8	799655.528	2420020.355	83°53'54.30"	21°51'31.65"
9	799503.272	2420016.282	83°53'53.15"	21°51'31.56"
10	799503.519	2420017.281	83°53'53.14"	21°51'31.59"
11	799445.869	2420012.996	83°53'50.14"	21°51'31.49"
12	799445.830	2420013.995	83°53'50.13"	21°51'31.52"
13	799296.564	2420007.999	83°53'44.94"	21°51'31.42"
14	799296.531	2420008.998	83°53'44.94"	21°51'31.45"
15	799888.255	2420097.962	83°54'05.55"	21°51'32.03"
16	799888.205	2420098.961	83°54'05.54"	21°51'32.06"

GAIL (India) LIMITED.
(A Govt. of India Undertaking)
JUBILEE TOWER, 8 & 9 LA DEPARTMENT 8TH FLOOR
B-36, 38 SECTOR-1, NOIDA 201301, G.S. NAGAR(U.P.) India

Jagdishpur-Haldia-Bokaro-Dhamra Gas Pipeline Project

Aditya Birla Plant (Bokaro-Angul Pipeline - 3A Main-pipeline)
Tata Refractories Ltd (IP 30/1) of ABPL Spur Line

Details of Revenue Forest
to be Diverted in Jharsuguda District

SOI MAP

THE ODESH CONSULTANTS

ABPL - TRL

Scale: 1:50,000
Job No.: TDC/GAIL/ABPL/19-20
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अध्यक्ष/General Manager (Const.)