



1 Purba Medinipur, WEST BENGAL.

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**CONVENTIONAL SYMBOLS**

- Express Highway: with lat, with bridge with distance stone
- Roads, metalled: according to importance
- Roads, double carriageway: according to importance
- Unmetalled road, Cart-track, Peak-track with pass, Foot-path.
- Streams: with track in bed; unforded; Canal.
- Dam: masonry or rock-filled; earthwork. Weir.
- River: dry with water channels with island & rocks. Tidal river.
- Submerged rocks: Shoal, Swamp, Island.
- Wells: lined; unlined. Tube-well. Spring. Tank; permanent; dry.
- Embankment: road or rail; tank. Broken ground.
- Railways, broad gauge: double, single with station; under construction.
- Railways, other gauges: double, single with station.
- Mine: shaft or tunnel. Kiln. Cooling with funnel.
- Contours with sub-heights. Rocky slopes. Cliff.
- Sand features: (Dune, Sand-dune, Sandbar, Sandstone, Sandstone, Sandstone).
- Towns or Villages: inhabited; deserted. Fort.
- Islet: permanent; temporary. Tower. Antenna.
- Temple, Church, Mosque, Ligia, Tomb, Grave.
- Lighthouse. Lightship. Buoy; lighted; unlighted. Anchorage.
- Mine: View on traffic. Grass. Scrub.
- Palms: palmyra; other. Plantain. Coconut. Bamboo. Other trees.
- Areas cultivated; wooded. Surveyed tree.
- Boundary, international.
- State: demarcated; undemarcated.
- State: subdivision, taluk or taluk; forest.
- Boundary pillars: surveyed; uncoloured; village junction.
- Height, triangulation: station points; approximate.
- Bench-mark: geodetic; tertiary; canal.
- Post office. Telegraph office. Overhead tank.
- Rest house or inspection bungalow. Court house. Police station.
- Camping ground. Forest: reserved; protected.
- Special names: administrative; locality or tribal.
- Hospital. Dispensary. Veterinary hospital.
- Aerodrome. Helipad. Tourist site.
- Power line: with pylons surveyed; with poles unsurveyed.

Route of proposed pipeline  
 Forest Boundary  
 Affected Forest

**REFERENCES**

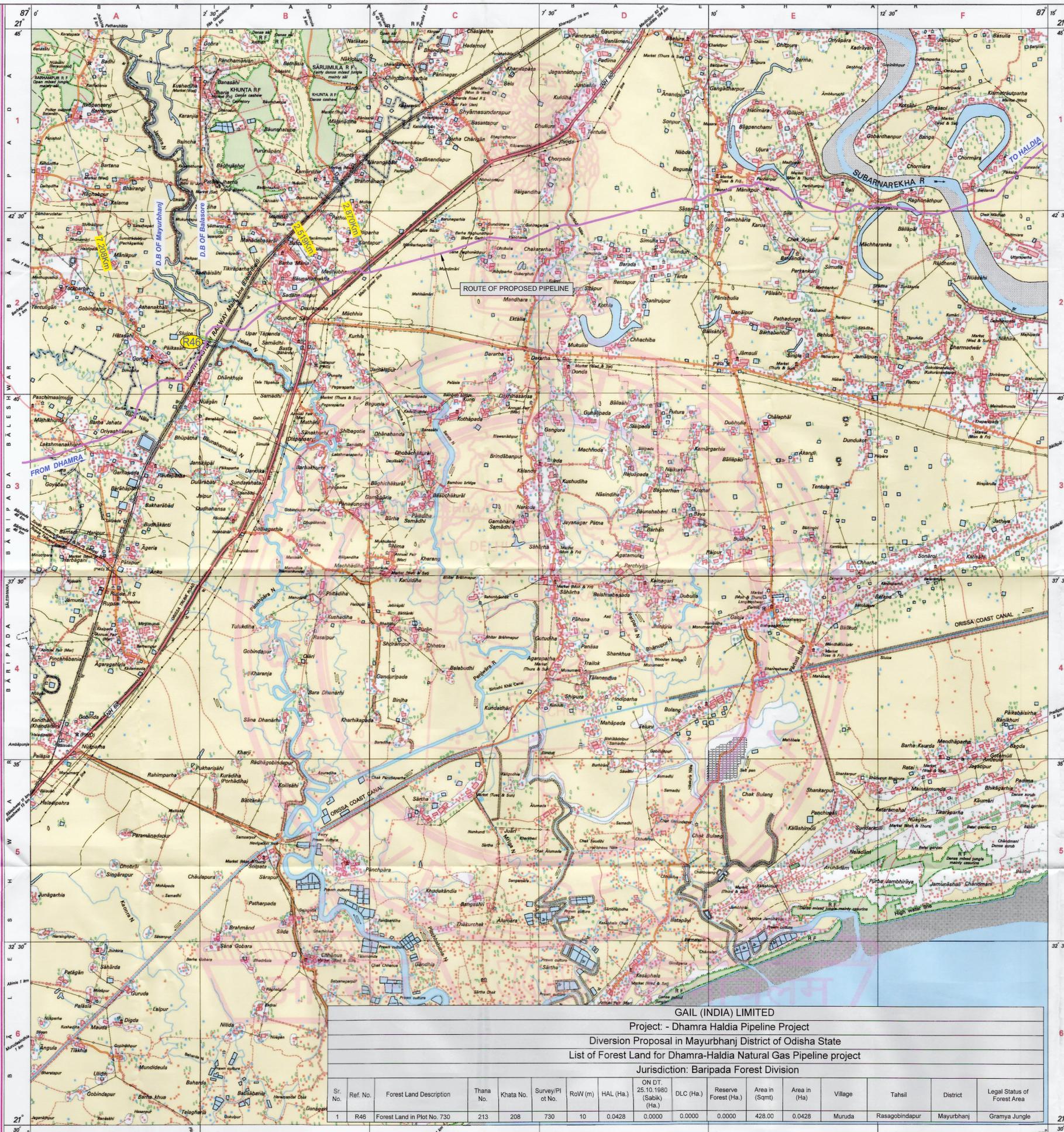
- MV 60 National Highway No. 60. PWD Public Works Department.
- Notes: A relative height, *h*, represents the approximate height, in metres, between the top and bottom of a steep slope. Forests take possession traffic only by country roads. The vertical scale of this map is to a distance of twelve nautical miles measured from the appropriate base line. The district boundary between Baleswar and Mayurbhanj Districts has been surveyed as pointed out by the local officials on the ground, but has not been verified by the District authorities. The asterisk boundaries of areas of Reserved or Protected Forests are shown by green ribbons. Head Pump is shown thus.

**COMPILATION INDEX**

A. Compiled from 1:25,000 survey, 1988-89.

Projection - UTM Datum - WGS 84  
 Magnetic Variation from True North about 1/2° West in 2005.  
 (Annual change negligible).  
 Scale 1:50,000  
 500 m to 1 km  
 2 cm to 1 km  
 Metres 1000 500 0 500 1000

For further details about this map, please contact  
 Director  
 Orissa Geo-Spatial Data Centre  
 Survey of India  
 Survey Bhawan, PO - R H Laboratory  
 Bhubaneswar.  
 Fax : 0674 - 2301418



Distance of RF from Proposed Route

Sr. No.	Reserved Forest	Approx. Distance from Pipeline (Km)
13	Barhampur RF	7.208
14	Khurta RF	2.519
15	Sarumula RF	2.870

**GAIL (INDIA) LIMITED**  
 Project - Dhamra Haldia Pipeline Project  
 Diversion Proposal in Mayurbhanj District of Odisha State  
 List of Forest Land for Dhamra-Haldia Natural Gas Pipeline project  
 Jurisdiction: Baripada Forest Division

Sr. No.	Ref. No.	Forest Land Description	Thana No.	Khata No.	Survey/PI No.	Ro (w)	HAL (Ha.)	ON DT. 25.10.1980 (Sabki) (Ha.)	DLC (Ha.)	Reserve Forest (Ha.)	Area in (Sgmt)	Area in (Ha)	Village	Tahsil	District	Legal Status of Forest Area
1	R46	Forest Land in Plot No. 730	213	208	730	10	0.0428	0.0000	0.0000	0.0000	428.00	0.0428	Muruda	Rasagobindapur	Mayurbhanj	Gramya Jungle

Signature of Santanu Kumar Panda  
 General Manager (G.S.)  
 GAIL (India) Limited  
 612, Utkal Signature, Patna, NH-5  
 Contact: 752101/Bhubaneswar-752101

**GAIL (INDIA) LIMITED.**  
 (A Govt. of India Undertaking)  
 JUBILEE TOWER, 8 & 9th FLOOR, 8TH FLOOR,  
 B-35, 36 SECTOR-1, NOIDA 201301, G.B. NAGAR (U.P.), India

PROJECT: **DHAMRA - HALDIA PIPELINE PROJECT**  
 SECTION: **DHAMRA - HALDIA GAS PIPELINE (DHPL)**  
 TITLE: **Details of Revenue Forest to be Diverted District Mayurbhanj**

SOI MAP  
**THE ODESH CONSULTANTS**  
 DHPL  
 Scale 1:50,000 Job No. TDC/GAIL/19-20 Drawing / Document No. TDC-GAIL-DHPL-20-Pig-RF-MAYURBHANJ-RM-01 Sheet 01-01 Rev. 0A



**CONVENTIONAL SYMBOLS**

Express Highway, with cut with bridge, with distance above  
 Road, metalled according to importance  
 Road, double carriageway according to importance  
 Unimproved road, Carriageway, Road-metred with pavement, Road-metred  
 Stream with bank in both directions, Canal  
 Dam, masonry or rock-filled, with water, Weir  
 River dry with water channel with bank & rocks, Tidal flow  
 Submerged rocks, Short Swampy roads  
 Well, hand-dug, Tilted, well, Spring, Tank, perennial city  
 Embankment, road or rail, bank, Broken ground  
 Railway, broad gauge, double single with station, under construction  
 Railway, meter gauge, double single with station, under construction  
 Mine, line or survey, Km. Cutting with tunnel  
 Contour with sub-features, Rocky slopes, Cliff  
 Tidal feature, (1) Red, (2) sand lake, (3) dense jutting  
 Islets or Wharves, Wharves, Isolated, Fort  
 Fort, Isolated, Wharves, Isolated, Fort  
 Temple, Church, Mosque, Ghat, Tomb, Crematorium  
 Lighthouse, Lightship, Survey, Light, unlighted, Anchorage  
 Mine, Van on India, Cross, Scarb  
 Place, primary, other, Pleban, Centre, Bamboo, Other tree  
 Area, cultivated, wooded, Sown, tree  
 Boundary, International  
 State demarcation, undemarcated  
 dike, subdivision, water or silic, forest  
 Boundary pillar, survey, unlocated  
 Height, triangulation, station, prism, approximate, 0 200 200  
 Bench-mark, geodetic, tertiary, same, BM 62-3, 0 100 100  
 Post office, Telegraph office, Checkpost, tank  
 Fuel house or inspection barge, Circuit house, Public station  
 Camping ground, Forest, reserved, isolated, 0 100 100  
 Social center, administrative, local or other, 0 100 100  
 Hospital, Dispensary, Veterinary Hospital / Dispensary  
 Airfield, Isolated, Tower, etc.  
 Power line, with pylons, surveyed, with pylons, unsurveyed

Route of proposed pipeline  
 Forest Boundary  
 Affected Forest

**REFERENCES**  
 N/S National Highway No. 5. PWD Public Works Department.

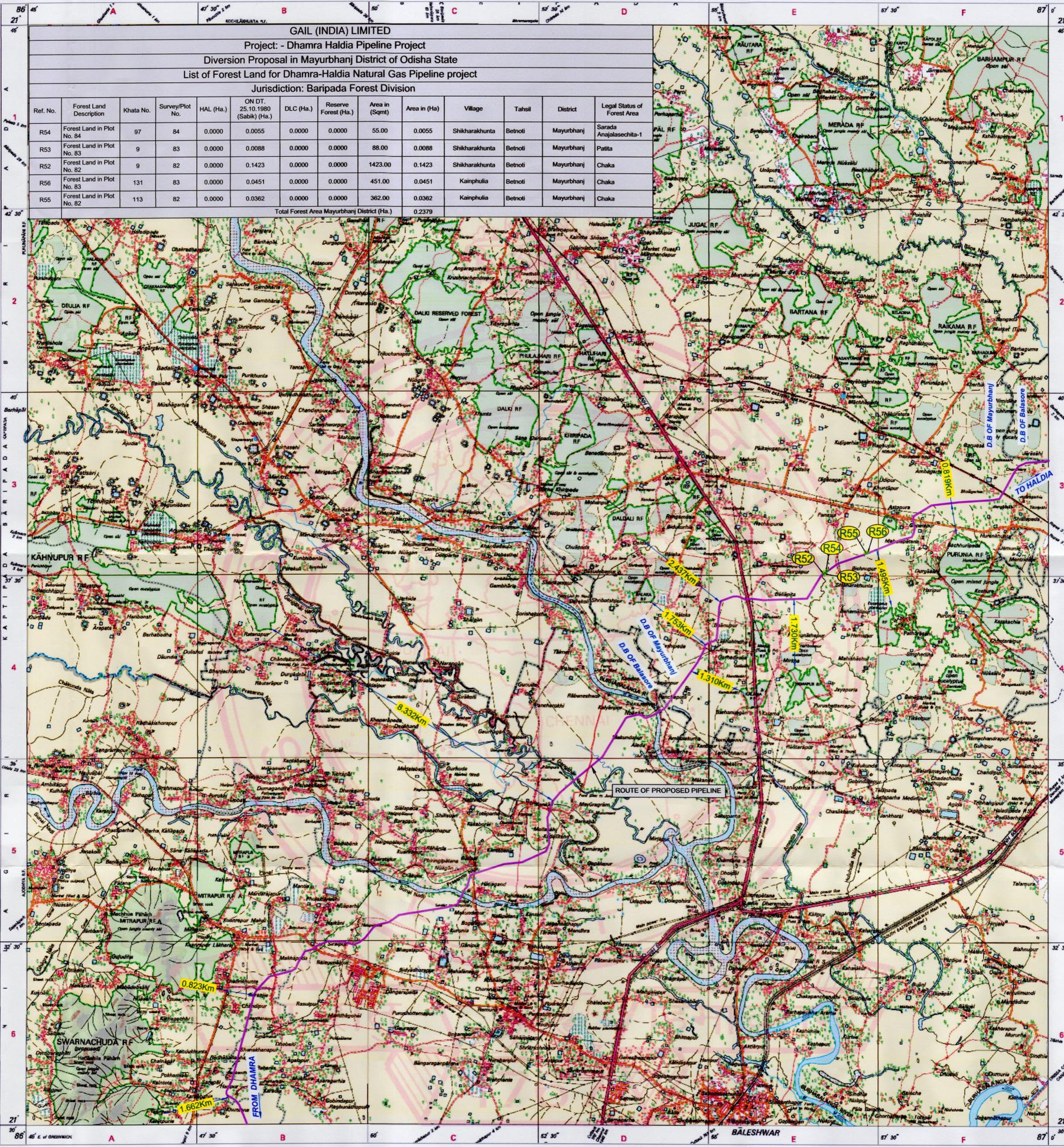
**NOTES :-**  
 Heights and Contours have not been shown.  
 Isolated buildings are shown in black with names.  
 The subdivision boundary between Kaptipada and Baripada Subdivisions of Mayurbhanj District is shown in squares A 24 & B 24 in this sheet has been retained as communicated by the authorities concerned to be in the field.  
 A relative height, in square, represents the approximate height in metres, between the top and bottom of a steep slope.  
 The exterior boundaries of areas of Reserved Forests are shown by green bands.  
 Hand Pump is shown thus: .....

**COMPILED INDEX**

A	Compiled from 1:25,000 survey 1962-63. Updated for major roads during 2008-09.
B	Compiled from 1:50,000 survey 1962-63. Updated for major roads during 1988-89.

Projection - UTM Datum - WGS 84  
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Ref. No.	Forest Land Description	Khata No.	Survey/Plot No.	HAL (Ha.)	ON DT. 25.10.1980 (Sabki) (Ha.)	DLC (Ha.)	Reserve Forest (Ha.)	Area in (Sqm)	Area in (Ha)	Village	Tahsil	District	Legal Status of Forest Area
R54	Forest Land in Plot No. 84	97	84	0.0000	0.0055	0.0000	0.0000	55.00	0.0055	Shikharakhunta	Betnoti	Mayurbhanj	Sarada Anajalasechita-1
R53	Forest Land in Plot No. 83	9	83	0.0000	0.0088	0.0000	0.0000	88.00	0.0088	Shikharakhunta	Betnoti	Mayurbhanj	Patita
R52	Forest Land in Plot No. 82	9	82	0.0000	0.1423	0.0000	0.0000	1423.00	0.1423	Shikharakhunta	Betnoti	Mayurbhanj	Chaka
R56	Forest Land in Plot No. 83	131	83	0.0000	0.0451	0.0000	0.0000	451.00	0.0451	Kainphulia	Betnoti	Mayurbhanj	Chaka
R55	Forest Land in Plot No. 82	113	82	0.0000	0.0362	0.0000	0.0000	362.00	0.0362	Kainphulia	Betnoti	Mayurbhanj	Chaka
				Total Forest Area Mayurbhanj District (Ha.)									
				0.2379									

Distance of RF from Proposed Route

Sr. No.	Reserved Forest	Approx. Distance from Pipeline (Km)
2	Swarnachuda RF	1.662
3	Mitrapur RF	0.823
4	Kahunupur RF	8.332
5	Balaka RF	1.753
6	Daldali RF	2.437
7	Kalama RF	1.310
8	Hemapur RF	1.730
9	Patharasahi	1.495
10	Purunia RF	0.819

Sanjay Kumar Panda  
 General Manager (EIS)  
 (A Govt. of India Undertaking)  
**GAIL (India) LIMITED.**  
 JUBILEE TOWER, 8 & 9 DEPARTMENT 8TH FLOOR,  
 B-35,36 SECTOR-1, NOIDA 201301, G.B. NAGAR(U.P.) India

**PROJECT:** DHAMRA - HALDIA PIPELINE PROJECT  
**SECTION:** DHAMRA - HALDIA GAS PIPELINE (DHPL)  
**DETAILS:** Details of Revenue Forest to be Diverted District Mayurbhanj  
**TITLE:** SOI MAP

**THEODESH CONSULTANTS** DHPL

Scale 1:50,000 Job No. TDC/GAIL/19-20 Drawing / Document No. TDC-GAIL-DHPL-20-19-RF-MAYURBHANJ-RM-02 Sheet 02-02 Rev. 01