



निर्यात के लिये नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. G45V6

Scale 1:50,000

Bánka BIHAR G45V1	G45V5	Sáhibganj JHÁRKHAND G45V9
G45V2	G45V6 (72-P/6)	G45V10 Páku JHÁRKHAND
G45V3	Dumka JHÁRKHAND G45V7	G45V11
1 Devghar, JHÁRKHAND.	2 Birbhum, WEST BENGAL.	

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009.

Price : Rs. 50 /-

CONVENTIONAL SYMBOLS

Express highway with toll, with bridge, with distance stone	20
Roads, metalled, according to importance	20
Roads, double cartway, according to importance	20
Unmetalled road, Cart-track, Pack-track with pass, Foot-path	20
Streams with track in bed, undefined, Canal	20
Dams: masonry or rock-filled, earthwork, Weir	20
River: dry with water channel; with island & rocks, Tidal river	20
Submerged rocks, Shoal, Swamp, Reeds	20
Wells: lined, unlined, Tube-well, Spring, Tanker, perennial; dry	20
Embankments: road or rail; tank, Broken ground	20
Railways, broad gauge: double, single with station; under constr.	20
Railways, other gauges: double, single with distance stone; do	20
Mineral line or tramway, Kin, Cutting with tunnel	20
Contours with sub-features, Rocky slopes, Cliffs	20
Sand features: (Tidal) (Island-hills) (perennial), (Shoal-shifting)	20
Towns or Villages: inhabited, deserted, Fort	20
Huts: permanent; temporary, Tower, Anticlimax	20
Temple, Chhatra, Church, Mosque, Igáhi, Tomb, Graves	20
Lighthouse, Lightship, Buoy: lighted, unlighted, Anchorage	20
Mine: Vene on trellis, Grass, Scrub, Bamboo, Other trees	20
Palms: palm-leaf, other, Plantain, Coconut, Bamboo, Other trees	20
Areas: cultivated; wooded, Surveyed tree	20
Boundary, international	20
State: demarcated; undemarcated	20
District: subdivided, taluk or taluk; forest	20
Boundary pillars: surveyed, uncoloured, village triplication	20
Height, triangulated, station, point, approximate	200 200 200
Bench-mark: geodetic, tertiary, canal	BM 63.3 BM 63.3
Post office, Telegraph office, Overhead tank, Police station	RF RF
Rest house or inspection bungalow, Circuit house, Police station	RF RF
Camping ground, Forest: reserved, protected	KIKRI NAGA
Spaced names: administrative, locality or tribal	KIKRI NAGA
Hospital, Dispensary, Veterinary hospital	KIKRI NAGA
Aerodrome: Halpied, Tourist site	KIKRI NAGA
Power line: with pylons surveyed; with poles unsurveyed	KIKRI NAGA
NRL's Proposed Paradip to Numaligarh Crude Oil Pipeline	

NOTES :-

A relative height, Br represents the approximate height, in meters, between the top and bottom of a steep slope.

COMPILATION INDEX

A. Surveyed during 1971-72. Updated for major details during 2003-2004.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/4° West in 2005.

1:50,000

Metres 1000 500 0 1 2 3 Kilometres

For further details about this map, please contact

Director

Jharkhand Geo-Spatial Data Centre

Survey of India, Dordanda,

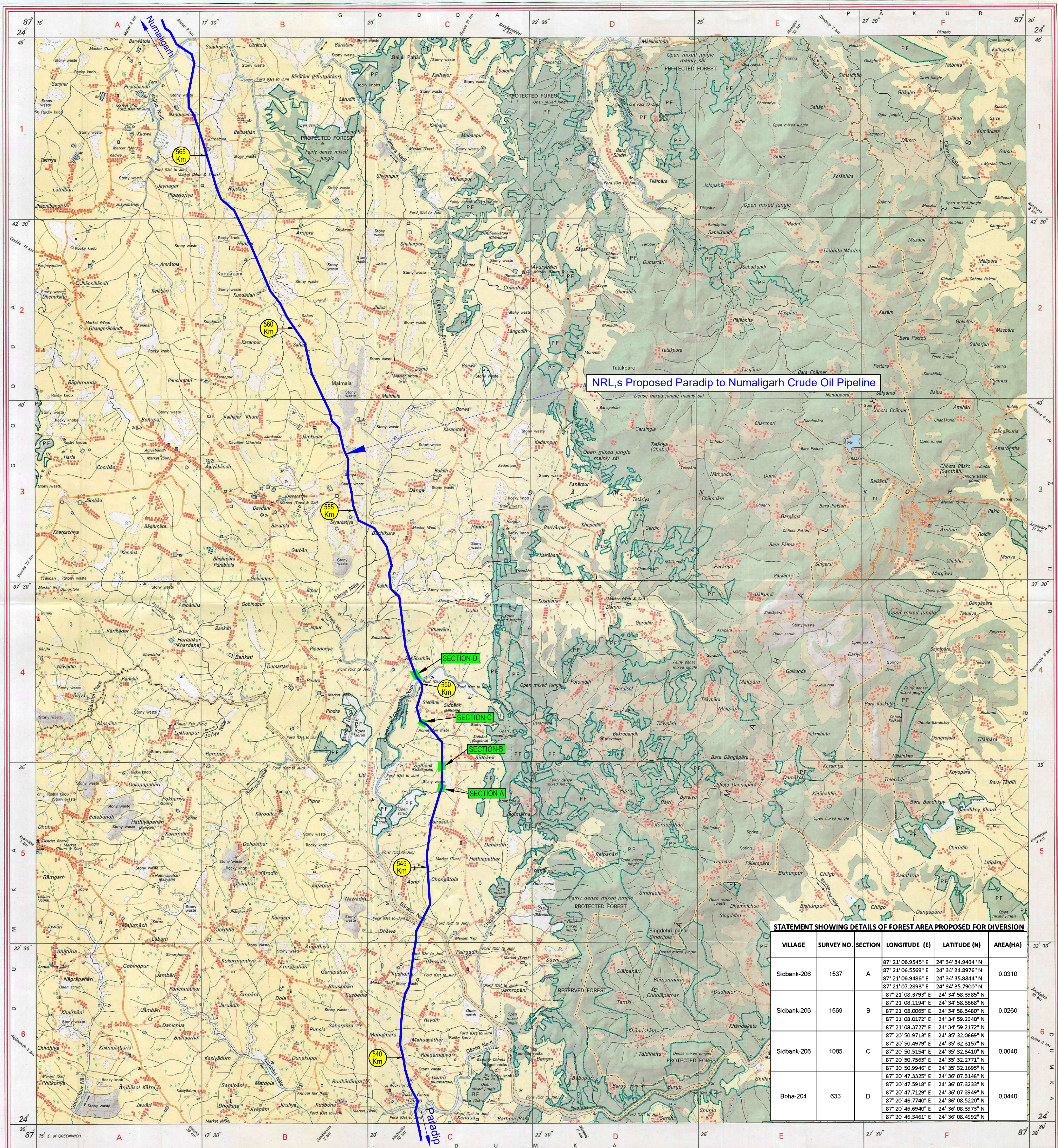
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STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

VILLAGE	SURVEY NO.	SECTION	LONGITUDE (E)	LATITUDE (N)	AREA(HA)
Sidbank-206	1537	A	87° 21' 06.954" E	24° 34' 34.946" N	0.0310
			87° 21' 06.569" E	24° 34' 34.876" N	
			87° 21' 06.948" E	24° 34' 35.884" N	
			87° 21' 07.289" E	24° 34' 35.790" N	
Sidbank-206	1569	B	87° 21' 08.379" E	24° 34' 58.398" N	0.0260
			87° 21' 08.119" E	24° 34' 58.388" N	
			87° 21' 08.006" E	24° 34' 58.348" N	
			87° 21' 08.017" E	24° 34' 59.234" N	
Sidbank-206	1085	C	87° 21' 08.372" E	24° 34' 59.217" N	0.0040
			87° 20' 50.971" E	24° 35' 32.066" N	
			87° 20' 50.497" E	24° 35' 32.315" N	
			87° 20' 50.515" E	24° 35' 32.340" N	
Boha-204	633	D	87° 20' 50.768" E	24° 35' 32.771" N	0.0440
			87° 20' 50.946" E	24° 35' 32.169" N	
			87° 20' 47.332" E	24° 36' 07.314" N	
			87° 20' 47.591" E	24° 36' 07.323" N	
			87° 20' 47.712" E	24° 36' 07.394" N	
			87° 20' 46.740" E	24° 36' 08.520" N	
			87° 20' 46.694" E	24° 36' 08.573" N	
			87° 20' 46.346" E	24° 36' 08.492" N	

REG. No. 8/55-SPG D/99 (Jharkhand GDC-1:50,000)-1015.

Indrajit Kaman
Chief Manager (Project-Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Christianbasti
Guwahati-781005

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No. G45V5

Scale 1:50,000

Bhāgalpur BIHAR G45P4	G45P8	G45P12
Bānka BIHAR G45V1	(2 P/5) G45V5 GODDA JHARKHAND	Sāhibganj JHARKHAND G45V9
G45V2 Dumka JHARKHAND	G45V6	Pākur JHARKHAND G45V10

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2008.

Price : Rs. 50 /-

CONVENTIONAL SYMBOLS

Express highway with toll; with bridge; with distance stone	...
Roads, metalled; according to importance	...
Roads, double carriageway; according to importance	...
Unmetalled road; Cart-track; Foot-track; with post; Foot-path	...
Stream; with track in both; underdrain; Canal	...
Dams; masonry or rock-filled; earthenwork; Weir	...
River; dry with water channel; with island & rocks; Tidal river	...
Submerged rocks; Shal; Swamp; Reed; ...	...
Wells; lined; unlined; Tube-well; Spring; Tanks; perennial; dry	...
Embankments; road or rail; tank; Broken ground	...
Railways; broad gauge; double; single with station; under constr.	...
Railways; other gauges; double; single with station; under constr.	...
Mineral line or tramway; Kiln; Cutting with tunnel	...
Contours with sub-features; Rocky slopes; Cliffs	...
Sand features; Tidal island; (permanent); Cladonchitong	...
Towns or Villages; inhabited; deserted	...
Huts; permanent; temporary; Tower; Antiquities	...
Temple; Chhatra; Church; Mosque; Jagah; Tomb; Graves	...
Lighthouses; Lightship; Buoy; lighted; unlighted; Anchorage	...
Mine; Vind on toll; Grass; Scrub	...
Palm; palm; other; Plantain; Conifer; Bamboo; Other trees	...
Areas; cultivated; wooded; Surveyed tree	...
Boundary; international	...
state; demarcated; undemarcated	...
district; subdivision; taluk or taluk; forest	...
Boundary pillars; surveyed; unlocated; village; junction	...
Height; triangulated; station; point; approximate	...
Bench-mark; geodetic; tertiary; canal	...
Post office; Telegraph office; Overhead tank	...
Rest house or inspection bungalow; Circuit house; Police station	...
Camping ground; Forest; reserved; protected	...
Spaced names; administrative; locality or tribal	...
Hospital; Dispensary; Veterinary hospital	...
Aerodrome; Helipad; Tourist site	...
Power line; with pylons surveyed; with poles unsurveyed	...
NRL's Proposed Paradip to Numaligarh Crude Oil Pipeline	...

NOTES

A relative height; dr. represents the approximate height in metres, between the top and bottom of a steep slope.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribands.

COMPILATION INDEX

A Surveyed during 1971-72. Updated for major details during 1999-01 and 2003-04.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.
(Annual changes negligible).

1:50,000

500 m to 1 cm 2 cm to 1 km
Metres 1000 500 0 1 2 3 Kilometres

For further details about this map, please contact

Director

Jharkhand Geo-Spatial Data Centre

Survey of India, Doria

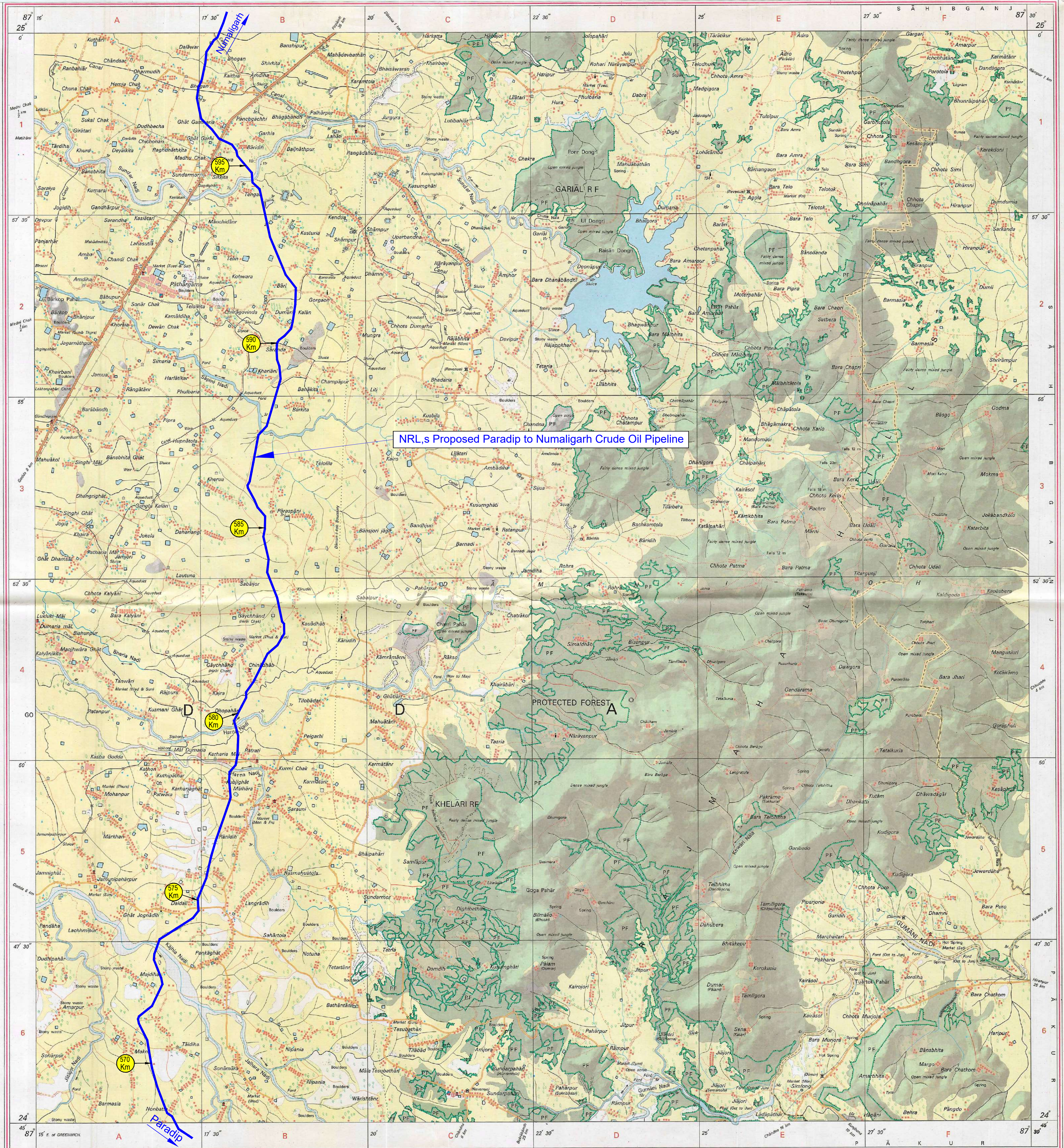
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Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Christianbasti
Guwahati-781005



No. G45P8

Scale 1:50,000

G45P3 (720/3)	G45P7 (720/7)	G45P11 (720/11)
G45P4 (720/4)	G45P8 (720/8)	G45P12 (720/12)
G45V1 (72P/1)	G45V5 (72P/5)	G45V9 (72P/9)

1 Madhepura, BIHAR.
2 Purnia, BIHAR.
3 Pakur, JHARKHAND.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010.

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CONVENTIONAL SYMBOLS

- Express highway, with toll, with bridge, with distance stone.
- Roads, metalled, according to importance.
- Roads, double carriageways, according to importance.
- Unmetalled road, Cart track, Post-track with pass, Foot-path.
- Streams, with track in bed, underlined, Canal.
- Dams, masonry or rock-filled, earthenwork, Weir.
- River, dry with water channel, with island & rocks, Tidal river.
- Submerged rocks, Shoal, Swamp, Reeds.
- Wells, lined, unlined, Tube-well, Spring, Tanks, perennial, dry.
- Embankments, road or rail, tank, Broken ground.
- Railways, broad gauge, double, single with station, under constr.
- Railways, other gauges, double, single with distance stone, do.
- Mineral line or tramway, Kite, Cutting with tunnel.
- Contours with sub-factors, Rocky slopes, Cliffs.
- Sand features (1) flat, (2) sand-hills (permanent), (3) dunes (shifting).
- Towns or Villages, inhabited, deserted, Fort.
- Huts, permanent, temporary, Tower, Antiquities.
- Temple, Chhatri, Church, Mosque, Ghat, Tomb, Graves.
- Lighthouses, Lightship, Buoy, Lighted, unlighted, Anchorage.
- Mine, Vene on walls, Grass, Scrub.
- Palms, palms, other, Plantain, Conifer, Bamboo, Other trees.
- Areas cultivated, wooded, Surveyed tree.
- Boundary, international.
- state, demarcated; undemarcated.
- district, subdivision, taluk or taluk, forest.
- Boundary pillars: surveyed, uncoloured.
- Heights, triangulated station, point, approximate.
- Bench-mark: geodetic, tertiary, canal.
- Post office, Telegraph office, Overhead tank.
- Rest house or inspection bungalow, Circuit house, Police station.
- Camping ground, Forest: reserved, protected.
- Spaced names: administrative, locality or tribal.
- Hospital, Dispensary, Veterinary, Hospital / Dispensary.
- Aerodrome: Heliport, Tourist site.
- Power line, with pylons surveyed, with poles unsurveyed.
- NRL's Proposed Paradip to Numaligarh Crude Oil Pipeline.

NOTES :-

- Heights are in metres and above Indian mean sea level.
- A relative height, e.g., 100 represents the appropriate height, in metres, between the top and bottom of a steep slope.
- All unmetalled roads in this sheet are motorable in dry season.
- Views are numerous throughout the sheet; only the important ones have been shown.

COMPILATION INDEX

- A. Modern Survey 1971-72. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.

1:50,000

500 m to 1 cm 2 cm to 1 km

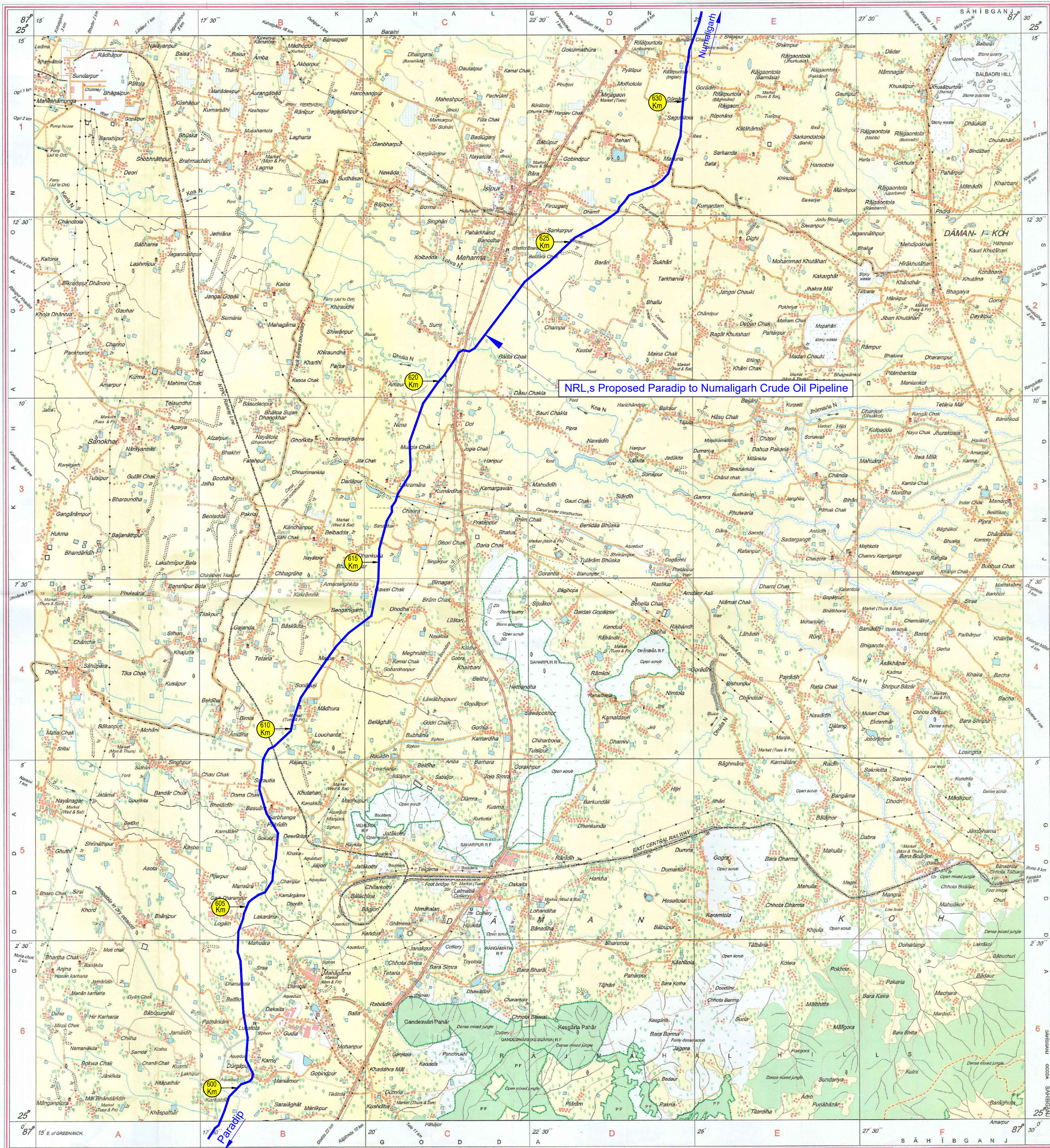
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Indrajit Kaman
Chief Manager (Project - Pipeline)
Numaligarh Refinery Ltd.
122A, G. S. Road, Chhatrabasti
Guwahati-781005

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