



CA LAND PATCHES on SoI TOPOSHEETS

FOREST DIVERSION PROPOSAL

FP/JH/MIN/139492/2021

for

GONDULPARA COAL MINE

M/s Adani Enterprises Limited



AFROZ
VICE PRESIDENT
GONDARA COAL PROJECT
ADANI ENTERPRISES LIMITED

TOPO LOCATION MAP OF NON-FOREST LAND OVER AN AREA OF 24.91AC. (10.081 Ha.) PROVIDED FOR
COMPENSATORY AFFORESTATION (C.A) FOR DIVERSION OF FOREST LAND FOR **ADANI ENTERPRISES LTD.**
GONDULPARA COAL BLOCK, ANCHAL-BARKAGAON, DIST-HAZARIBAGH, JHARKHAND



No. F45H1

Scale 1:50,000

F45A16 (25E-1)	F45B4 (25E-2)	F45B8 (25E-3)
F45G13 (25E-4)	F45H1 (25E-5)	F45H5 (25E-6)
F45G14 (25E-7)	F45H2 (25E-8)	F45H6 (25E-9)

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2015. File No. 82/-

CONVENTIONAL SYMBOLS

Major highway with 4 or more lanes with median strip	...
Minor highway with 2 or 4 lanes with median strip	...
Track railway	...
...	...

NOTES

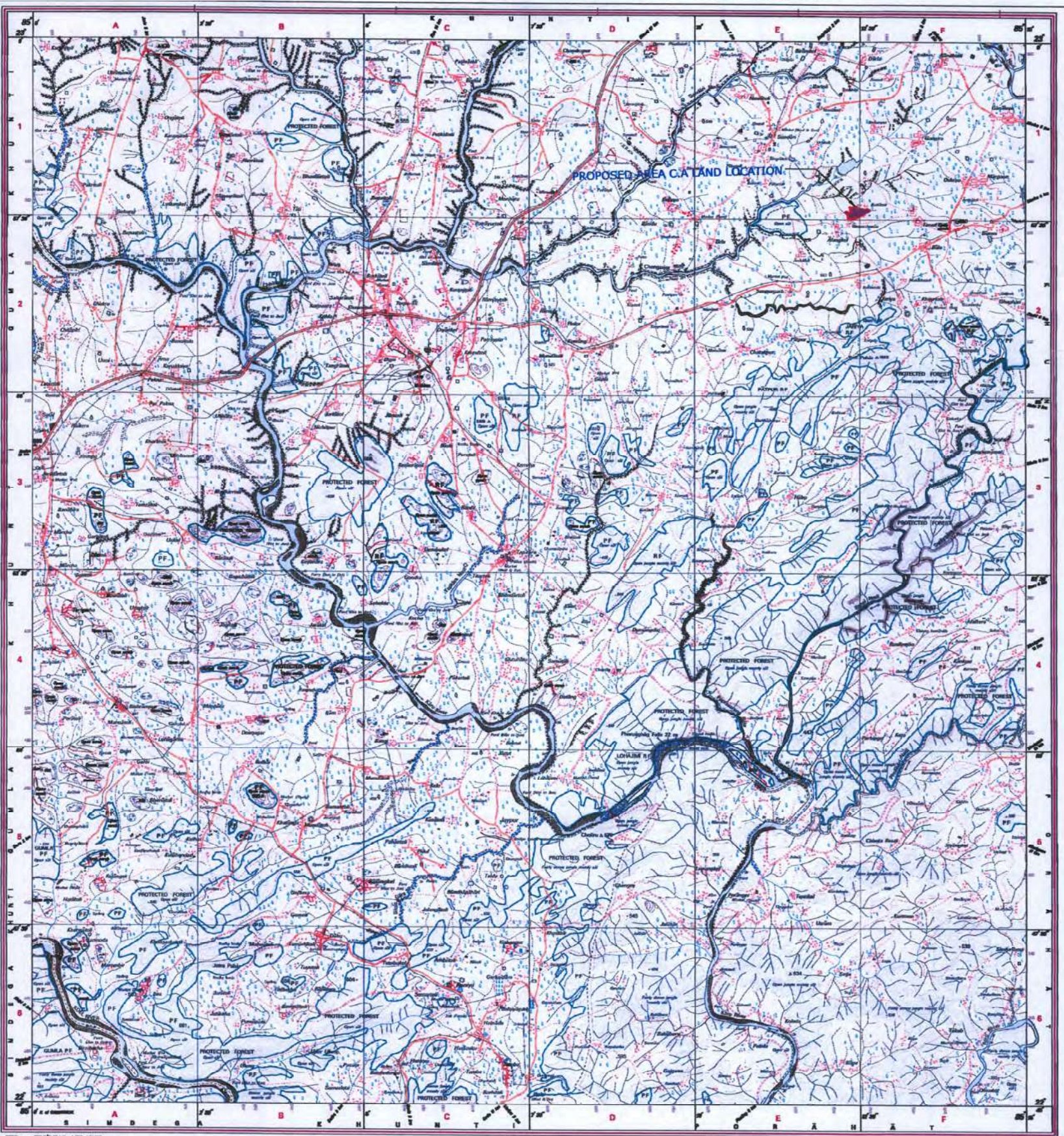
1. Rights are to surface and above surface are shown.
2. Boundaries are shown as they are in the field.
3. The boundary between the State of Jharkhand and the State of Bihar is shown as it is in the field.
4. The boundary between the State of Jharkhand and the State of West Bengal is shown as it is in the field.

COMPILED BY: A. Ghoshal, Survey of India, Hazaribagh, Jharkhand.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 11° West in 2015.
Scale 1:50,000

For further details about this map, please contact
Director, Jharkhand State-Spatial Data Centre
Survey of India, Hazaribagh, Jharkhand.
File No. 82/-

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Published under the authority of the Survey of India.
Survey of India, Hazaribagh, Jharkhand, File No. 82/- 2015 (Hazaribagh)
Department of Survey & Mapping, Government of India.

Divisional Forest Officer
Khunti Forest Division, Khunti

Range Forest Officer
Girga Forest Range, Ranchi

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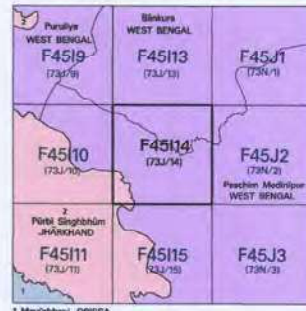
MAP SHOWING THE NON FOREST PRIVATE LAND FOR COMPENSATORY AFFORESTATION IN RAGHUNATHPUR VILLAGE (THANA NO-267) UNDER CHAKULIA CIRCLE IN EAST SINGHBHUM DISTRICT, JHARKHAND OVER 14.39 HA.(35.56 AC.) OF 220 HA. LAND FOR FOREST DIVERSION PROPOSAL IN FAVOUR OF M/S ADANI ENTERPRISES LTD. ANCHAL BARKAGAON, DIST- HAZARIBAGH, JHARKHAND



OPEN SERIES
MAP

No. F45I14

Scale 1:50,000



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CONVENTIONAL SYMBOLS



REFERENCE

850 West Development Office.

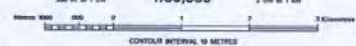
NOTES :-
 Heights are in meters and above Indian Mean Sea Level.
 Contours are approximate.
 The unimproved heights and contours in this sheet have not been adjusted to the heights of the well-measured benchmarks and may not be accurate with them.
 The state boundary between Jharkhand and West Bengal State has been surveyed or printed out for the first time on the ground but has not been verified by the Government concerned.
 A station height, if in parentheses, is approximate height, in meters, between the top and bottom of a stone or other object.
 Forest boundaries in this sheet have been surveyed and printed out by the forest officials on the ground but have not been verified by the District Forest Officer.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/2° West in 2025.

1:50,000



For further details about this map, please contact:

Director

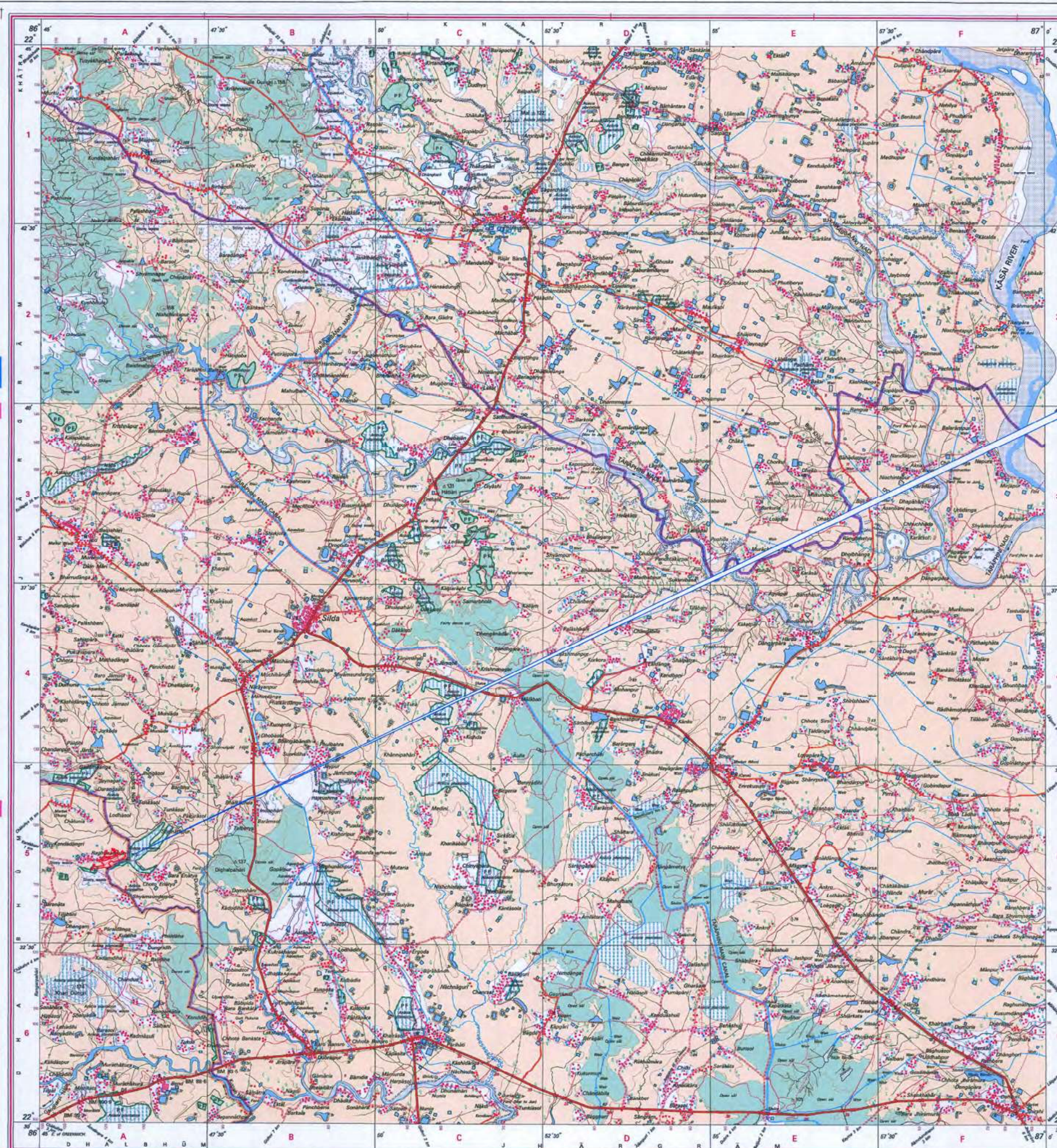
WG & Sikkim Geo-Spatial Data Centre

Survey of India, 11, Wood Street

Kolkata

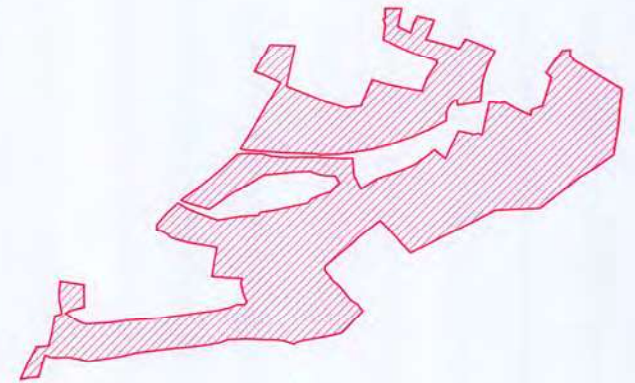
WGS84 - www.surveyofindia.gov.in

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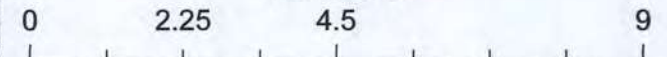


1:50,000

Raghunathpur Proposed Area



Kilometers



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VICE PRESIDENT
GONDUPARA COAL PROJECT
ADANI ENTERPRISES LIMITED

Georeferenced Map showing the proposed Compensatory Afforestation (CA) Land for Gondulpara Coal Block (AEL)
 Village - Durup, Block - Mahuadani, District - Latchar, State - Jharkhand
 Suitability & CA Scheme based on letter No-1342
 Dated - 21/12/2012

उप निदेशक
 जल संसाधन विभाग
 जल संसाधन विभाग
 जल संसाधन विभाग
 जल संसाधन विभाग

NOTES :-
 Heights are in meters and shown below mean sea level.
 Contour are approximate.
 The state boundary between Jharkhand and Chhattisgarh has been surveyed as per the latest survey and is shown in red color.
 The common boundary between the Forest and Reserved Forests of same place has been shown in red color.

COMPILED INDEX
 A. Forward during 1979-80. Updated for minor details from satellite imagery of 2007 during 2008-09.

Projection - UTM Datum - WGS 84
 Magnetic Variation from True North about 1° West in 2005.
 Showing by about 1° north.
 Scale 1:50,000
 Contour Interval 20 METRES

For further details about this map, please contact
 Director
 Jharkhand Geo-Spatial Data Centre
 Survey of India, Durgam
 Ranchi - 834002

OPEN SERIES
 MAP
 No. F45A3
 Scale 1:50,000

F44F14 (73A2)	F45A2 (73A2)	F45A6 (73A5)
F44F15 (73A1)	F45A3 (73A3)	F45A7 (73A7)
F44F16 (73A1)	F45A4 (73A4)	F45A8 (73A8)

भारतीय सर्वेक्षण विभाग
 SURVEY OF INDIA
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CONVENTIONAL SYMBOLS

Express highway with toll with bridge with distance shown	
Roads, metalled, according to importance	
Roads, metalled, according to importance	
Unmetalled road, Cart track, Path track with gate, Path track	
Stream with bank to bank, unmetalled, Canal	
Stream, metalled or metalled, unmetalled, Canal	
River dry with water channel, with sand & silt, Tidal river	
Water body, natural, Tidal river, Spring, Tidal river, Tidal river	
Railways, broad gauge, double, single with electric, under construction	
Railways, other gauge, double, single with electric, under construction	
Metalled line or railway, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th, 101st, 102nd, 103rd, 104th, 105th, 106th, 107th, 108th, 109th, 110th, 111st, 112nd, 113th, 114th, 115th, 116th, 117th, 118th, 119th, 120th, 121st, 122nd, 123rd, 124th, 125th, 126th, 127th, 128th, 129th, 130th, 131st, 132nd, 133rd, 134th, 135th, 136th, 137th, 138th, 139th, 140th, 141st, 142nd, 143rd, 144th, 145th, 146th, 147th, 148th, 149th, 150th, 151st, 152nd, 153rd, 154th, 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VICE PRESIDENT
GONDUPARA COAL PROJECT
ADANI ENTERPRISES LIMITED

86°45'0"E 86°48'0"E 86°51'0"E 86°54'0"E 86°57'0"E 87°0'0"E

बिहार, पश्चिमी बंगाल
BIHAR, WEST BENGAL

FIRST EDITION

INDIA
1:50,000
SHEET 73 1/15 FIRST EDITION

SINGHBHUM DISTRICT,
MEDINIPUR DISTRICT.

Surveyed 1976-77.

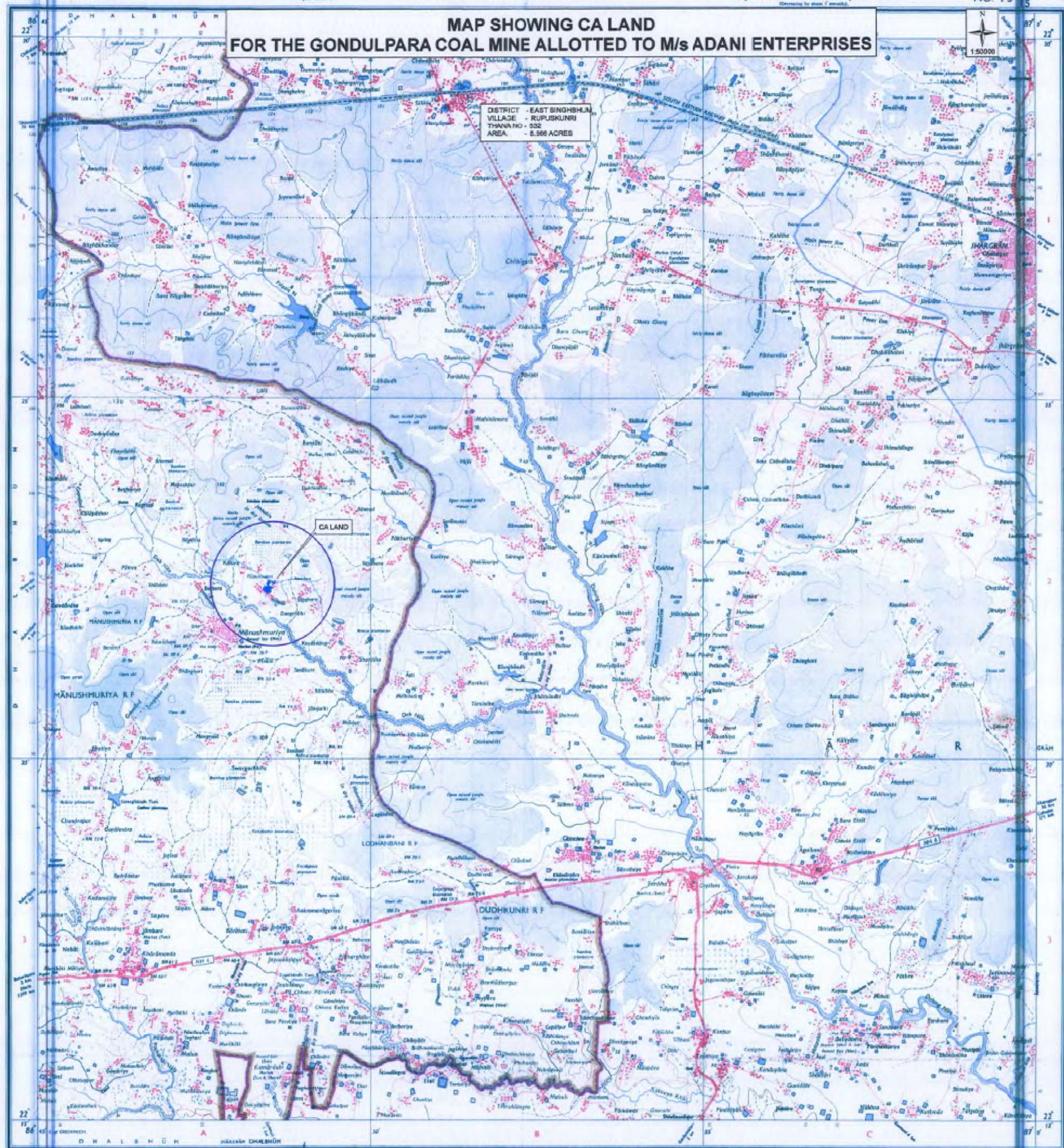
Magnetic Variation from True North about 1° West in 1975,
Changing by about 1° annually.

NO. 73

MAP SHOWING CA LAND
FOR THE GONDULPARA COAL MINE ALLOTTED TO M/s ADANI ENTERPRISES

DISTRICT - EAST SINGHBHUM
VILLAGE - RUPUSKUNRI
THANA NO - 532
AREA - 8.566 ACRES

1:50,000



Scale 1:50,000
Horizontal scale: 1 cm = 500 m
Vertical scale: 1 cm = 500 m
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.

Index to Sheet

HEIGHTS & CONTOURS IN METRES
CONTOUR INTERVAL: 10 METRES
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.

Administrative Index

Scale 1:50,000
Horizontal scale: 1 cm = 500 m
Vertical scale: 1 cm = 500 m
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.
The map is based on the Survey of India map No. 73 1/15, First Edition, 1975.

REFER TO THIS MAP AS:
SHEET 73 1/15 FIRST EDITION

INDEX
CA LAND

Range Forest Officer
Chakulia Forest Range

Divisional Forest Officer
Jambhampur Forest Division
Jambhampur

REVIEWED BY	CHECKED BY	SUBMITTED BY

AFROZ
VICE PRESIDENT
GONDULPARA COAL PROJECT
ADANI ENTERPRISES LIMITED

TOPO LOCATION MAP OF CA LAND SUPPER IMPOSED ON SURVEY OF INDIA OSM SHEET NO.- F45A10
VILLAGE - RORAD, THANA NO.- 36, DISTRICT - LOHARDAGA, JHARKHAND



निर्वात के लिए नहीं NGT FOR EXPORT

OPEN SERIES
MAP

No. F45A10

Scale 1:50,000



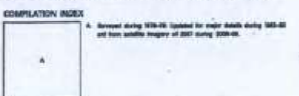
सर्वेक्षण विभाग, भारत सरकार
सर्वेक्षण विभाग, भारत सरकार

CONVENTIONAL SYMBOLS



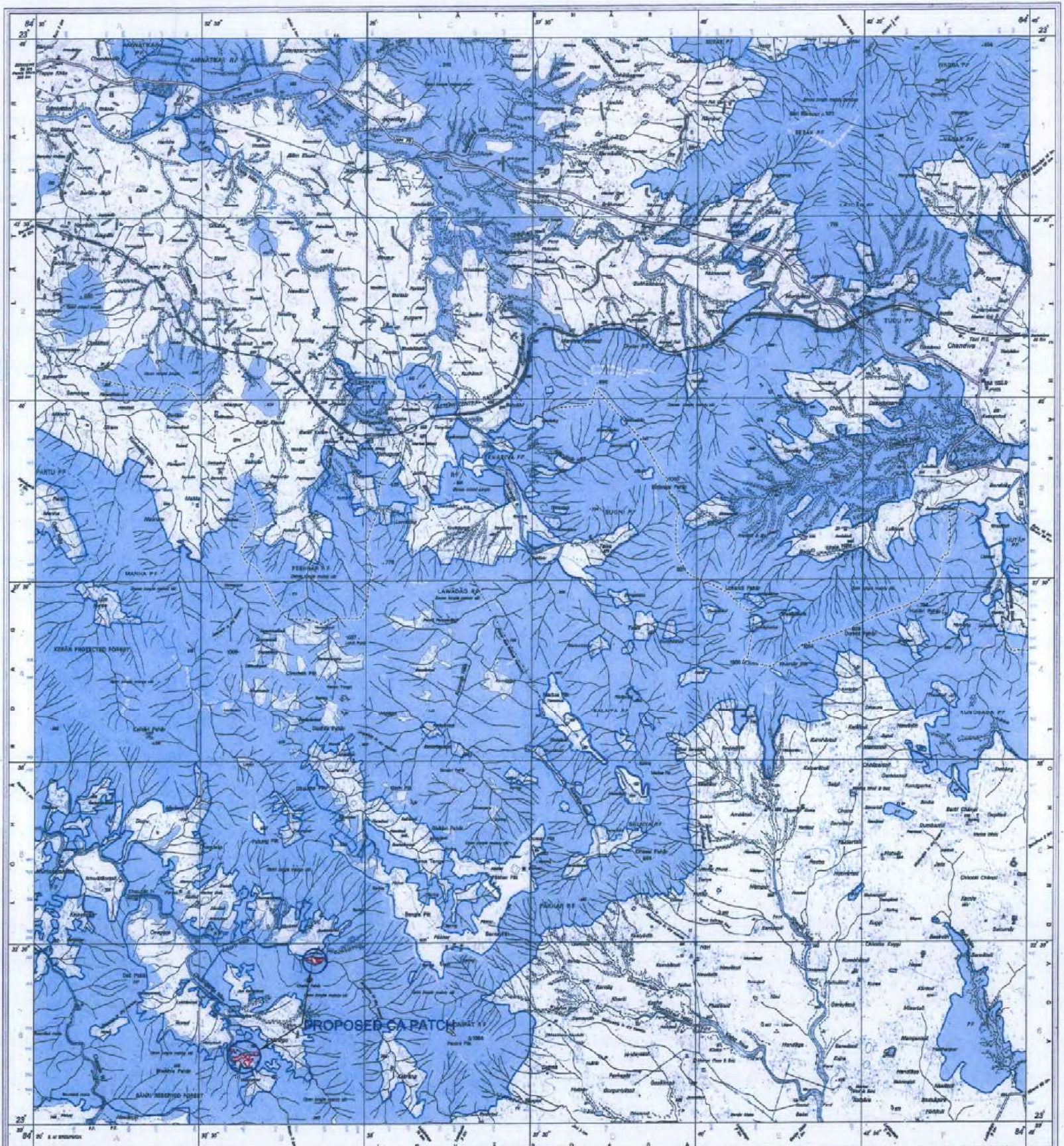
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1. The map is a reproduction of the original map and is not a survey map.
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Projection - UTM Station - WGS 84
Magnetic Variation from True North about 1° West in 2005.
Declining to about 1° annually.
Scale 1:50,000
Director
Jointed Civil-Engineer, Data Centre
Survey of India, Dehra Dun
Uttarakhand - 248001
Fax : 0513 - 2427100
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Department of Science & Technology, Government of India.

Divisional Forest Officer
Lohardaga Forest Division
Lohardaga



PROPOSED CA PATCH

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GONDARMA COAL PROJECT
ADAM ENTERPRISES LIMITED

Proposed CA Land for Gondulpara Coal Mine in Village Bardauni Kalan, Lurgumi khurd, Medhari M/s Adani Enterprises Limited

OPEN SERIES MAP
No. F45A3
Scale 1:50,000

CONVENTIONAL SYMBOLS

REFERENCE
PMT Public Works Department

NOTES

COMPILED BY
A. Compiled from 1:25,000 survey 1979-80. Updated for major details from satellite imagery of 2007 during 2008-09.

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

Scale 1:50,000
1 cm to 1 km
1 inch to 1 mile

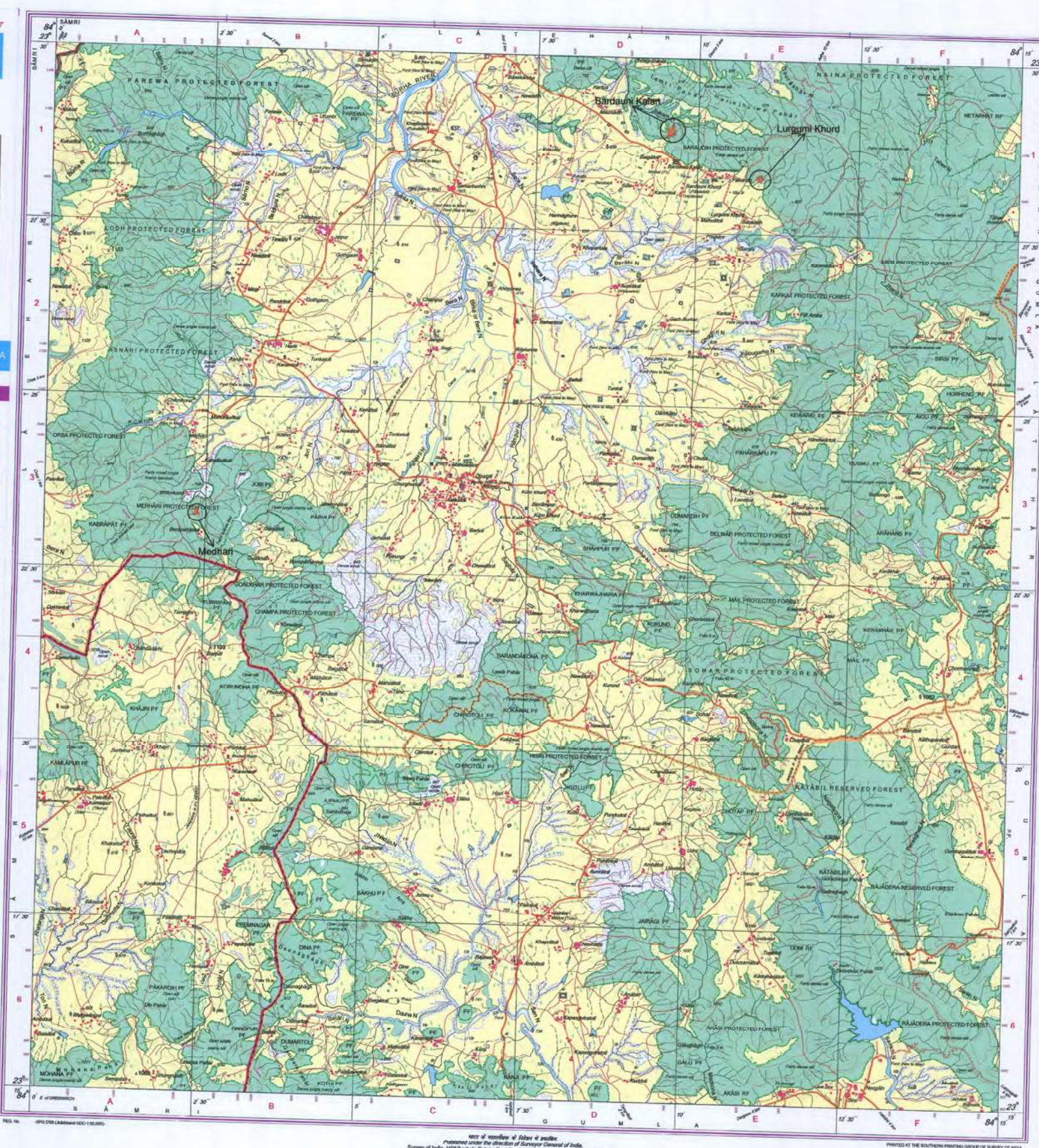
CONTOUR INTERVAL, 20 METRES

Director
Jharkhand Geo-Spatial Data Centre
Survey of India, Dehra Dun
Ranchi 834002

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No. F45G2
Scale 1:50,000

F44L13 (84N/13)	F45G1 (73B/1)	F45G5 (73B/5)
Jashpur CHHATTISGARH F44L14 (84N/14)	F45G2 (73B/2)	F45G6 (73B/6)
F44L15 (84N/15)	F45G3 (73B/3)	F45G7 (73B/7)

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1st Edition 2008.

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CONVENTIONAL SYMBOLS

Express highway with toll; with bridge, with distance stone	
Roads marked according to importance	
Unimproved road, Can-track, Path-track with post, Post-path	
Stream: with track in bed, unbridged, Canal	
Dam: masonry or rock-fall, with lock, Weir	
River: dry with water channel, with lock & weir, Tide-gate, Water	
Submerged river, Canal, Reservoir, Reservoir	
Water: broad, unbridged, Tidal, with lock, Tidal, with lock, Tidal, with lock	
Underground: road or rail track, Broken ground	
Railway, broad gauge, double, single with station, under construction	
Railway, other gauge, double, single with station, under construction	
Telegraph line or railway line, Cables with tower	
Customs with sub-stations, Railway station, City	
Road station: International, State, District, Sub-district, Town or Village: inhabited, deserted, Post	
Water: permanent, temporary, Tidal, Artificial	
Temple, Church, Mosque, Light, Tomb, Shrine	
Lighthouse, Lightship, Buoy, Lighted, unlighted, Anchorage	
Mine: Iron, Coal, Copper, Lead, Zinc, Silver, Gold, Uranium, Other	
Power: hydroelectric, windmill, Solar, Other	
Boundary: International, National, District, Sub-district, Village, Hamlet, Hamlet, Hamlet	
Height, triangulation station, point, approximate, BM 67.2, BM 67.2, BM 67.2	
Post office, Telegraph office, Check post, Post station, Police station, Police station	
Rest house or inspection bungalow, Check house, Police station	
Camping ground, Forest: reserved, protected, Reserved, Protected, Reserved, Protected	
Quarry, mine, stone, brick, sand, gravel, Lignite, Coal, Iron, Copper, Lead, Zinc, Silver, Gold, Uranium, Other	
Hospital, Dispensary, Veterinary Hospital / Dispensary	
Airfield, Helipad, Tented site	
Power line with poles, unbridged, with poles, unbridged	

REFERENCE

1:50,000 National Highway No. 76

NOTES

Height in feet and above Indian mean sea level.
Contours are approximate.
A station height, in feet, represents the approximate height, in metres, between the top and bottom of a station.
The station boundaries of reserved or protected forests are shown by green rhombs.
The station boundaries between Chhattisgarh & Orissa, between Jharkhand & Orissa and between Chhattisgarh & Jharkhand States have been surveyed by ground but have not been verified by the Government of Orissa.
Cart-towns in this sheet are generally located in dry season.

COMPILED INDEX

A. Surveyed during 1970-75. Updated for major details from satellite imagery of 2007 dated 2008-09.

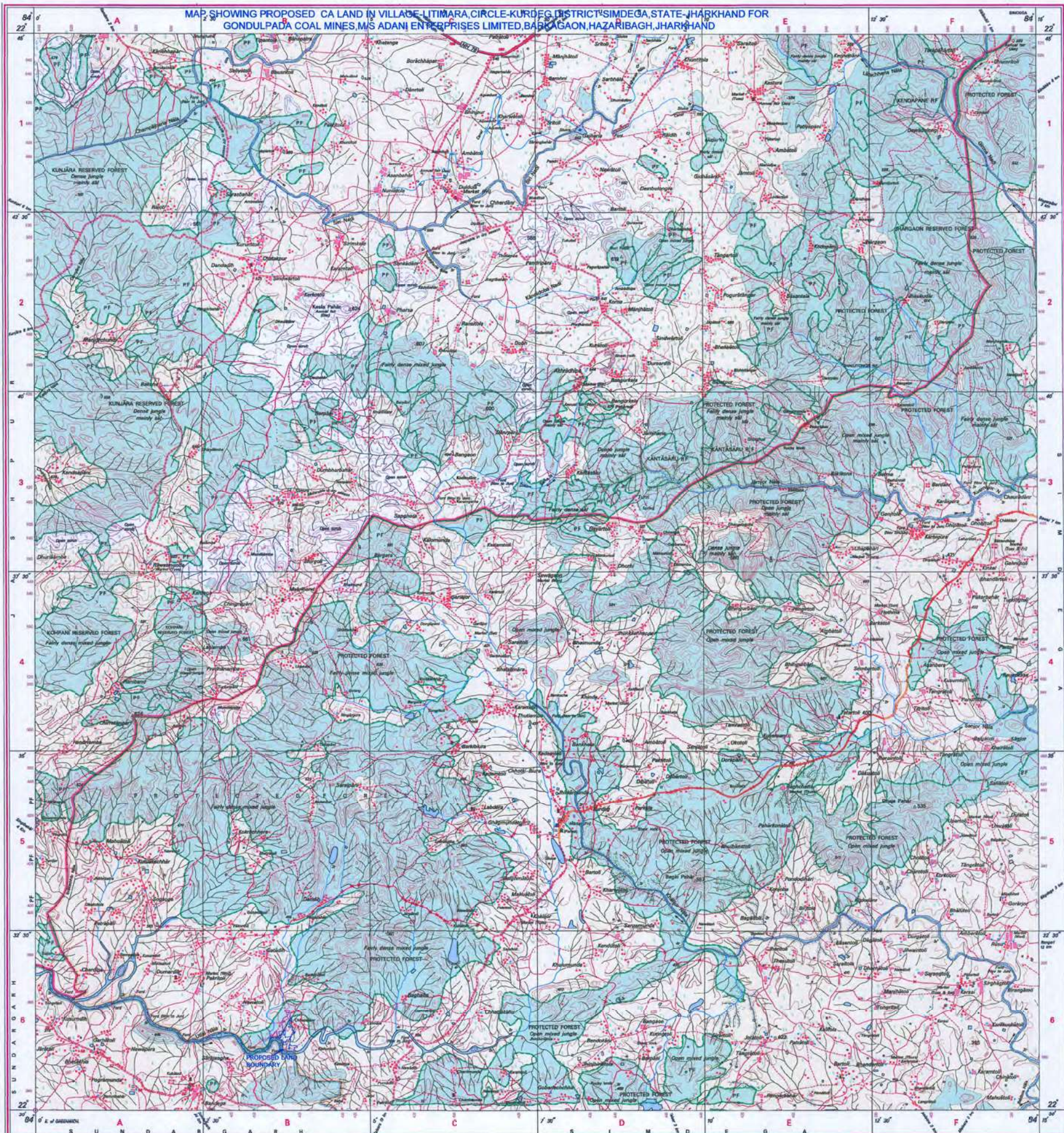
Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1° West in 2008.
Declination for about 1° annual.
Scale 1:50,000
CONTOUR INTERVAL: 20 METRES

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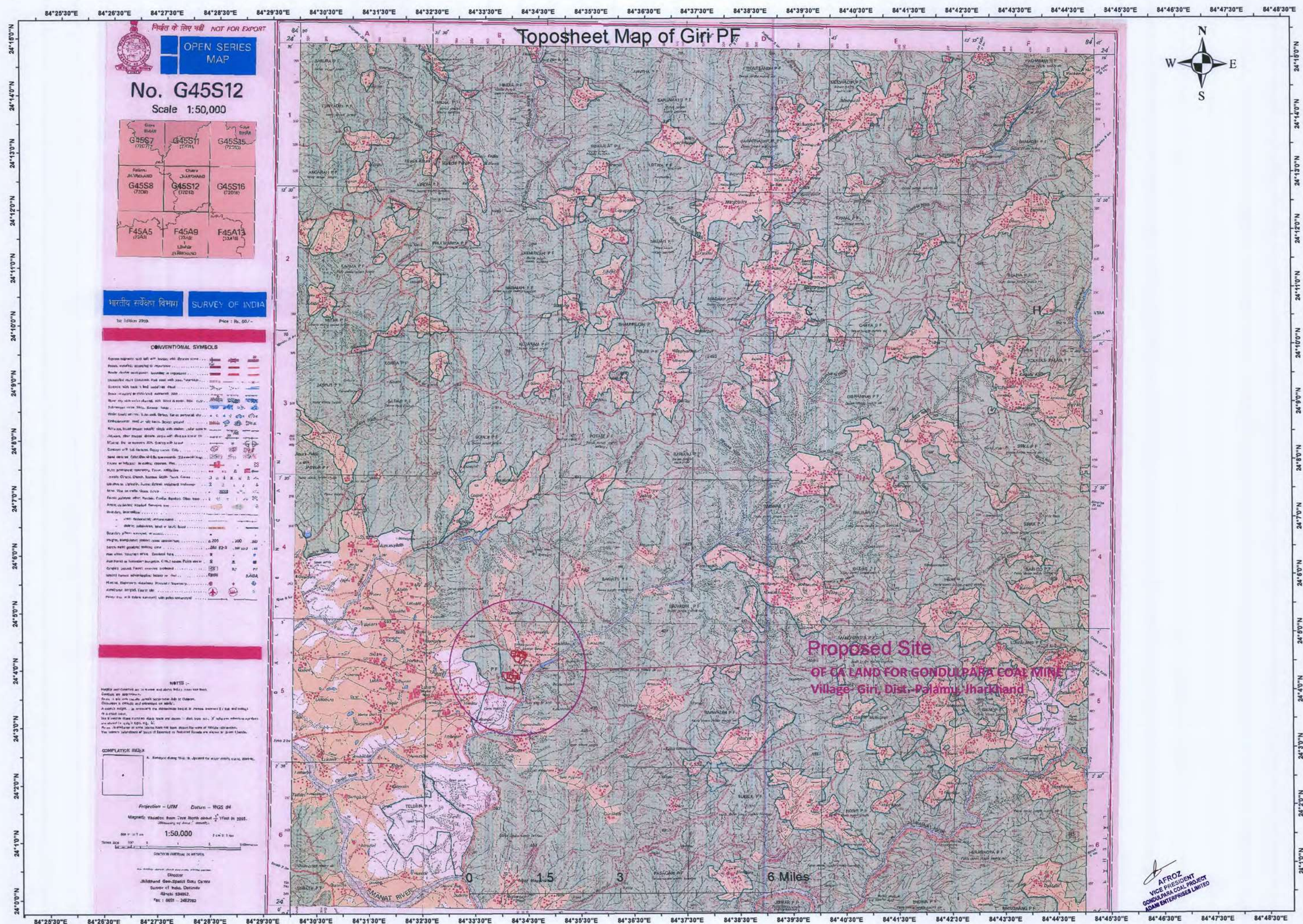
Scale: 1:50,000

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Department of Science & Technology, Government of India.

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Legend
PROPOSED CA LAND

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VICE PRESIDENT
GONDULPARA COAL PROJECT
ADANI ENTERPRISES LIMITED



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OPEN SERIES
MAP

No. F45B12

Scale 1:50,000

The map displays the study area with the following sampling stations and coordinates:

- F45B7** (73°E/7)
- F45B11** (73°E/10)
- F45B15** (73°E/15)
- F45B8** (73°E/8)
- F45B12** (73°E/12)
- F45B16** (73°E/16)
- F45H5** (73°E/5)
- F45H9** (73°E/9)
- F45H13** (73°E/13)

Geographical labels include Haridwar, Jarukhand, Parulva, West Bengal, Bolkov, Jarukhand, and Panchikot Southkhim, Jarukhand.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

Net Ecosystem Exchange

Page 186

CONVENTIONAL SYMBOLS

[illegible]

REFERENCES

REFERENCES

RH 23 National Highway No. 23. PWD Public Works Department.

BDG Black Development Office.

NOTES :-

NOTES :-
Height may increase and above height same level.
Common tree appearance.
A relative height, e.g., represents the approximate height. In trees, between the top and bottom of a same tree.
A relative height, e.g., - the market along a road, indicates the height of the top of the road and the bottom of the adjacent road.
The elongated height and width in this sheet have not been adjusted to the height of the spot - height - results and may not be widely in accordance with them.
The ability to identify of areas (Forest or Protected Forest) are shown by green sheets.

COMPLIATION INDEX

A. Compiled from 1:10,000 K&P maps 1925-25. Updated for major details from satellite imagery of 2001 (during 2005-05).

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2008

1:50,000

For further details about this event, please contact:

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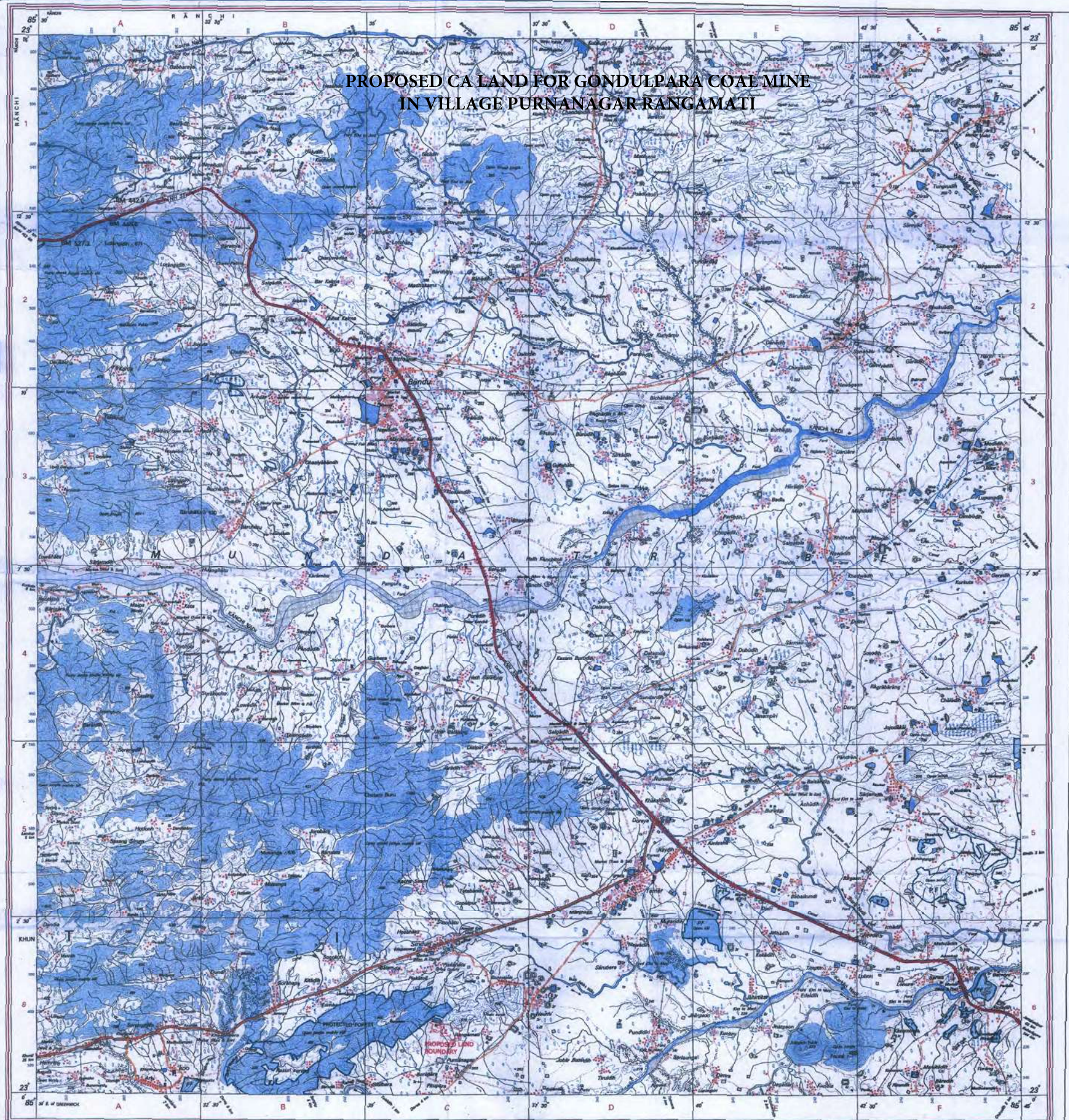
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**PROPOSED CA LAND FOR GONDULPARA COAL MINE
IN VILLAGE PURNANAGAR RANGAMATI**



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Department of Science & Technology, Government of India.



Range Forest Officer
Tamar Forest Range, Tamar

Divisional Forest Officer
Khunti Forest Division, Khunti

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ADANI ENTERPRISES LIMITED

TOPO MAP SHOWING CA LAND (AREA- 43.36 ACRES) AT VILLAGE - BAGDIHA, THANA NO.-530, ANCHAL- CHAKULIA, DISTRICT - EAST SINGHBHUM, (JHARKHAND) FOR GONDULPARA COAL MINES OF ADANI ENTERPRISES .



No. F45115
Scale 1:50,000



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CONVENTIONAL SYMBOLS

Express highway with 4+4, with bridge, with distance stone	Express highway with 4+4, with bridge, with distance stone
State highway with 4+4, with bridge, with distance stone	State highway with 4+4, with bridge, with distance stone
Dist. boundary	Dist. boundary
Block boundary	Block boundary
...	...

REFERENCES

1. Survey of India, 1:50,000 scale, 1963-64. 2. Survey of India, 1:50,000 scale, 1963-64. 3. Survey of India, 1:50,000 scale, 1963-64.

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Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2000.

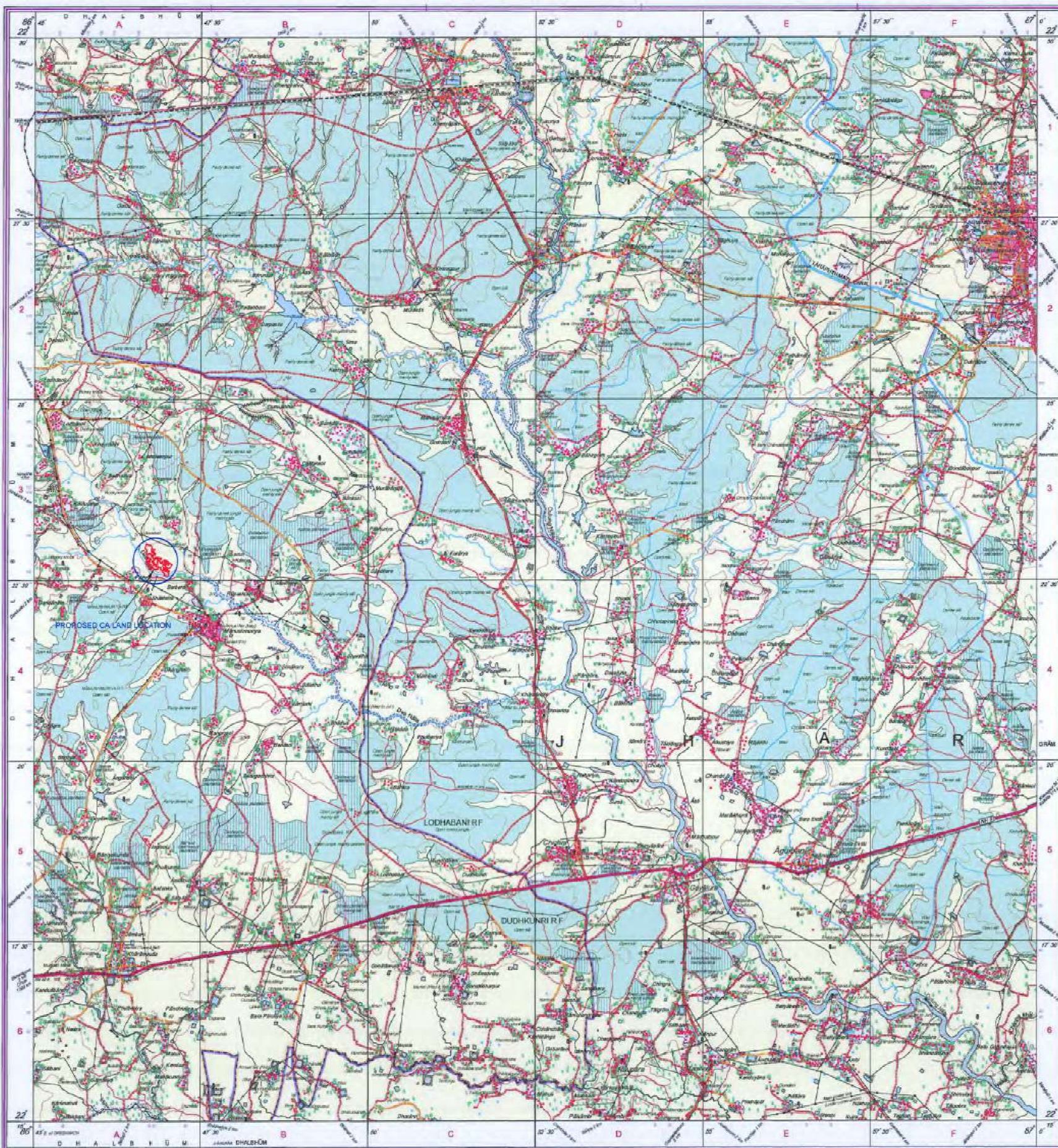
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