

# GEOREFENCED MAP OF COMPENSATORY AFFORESTATION FOR FOREST DIVERSION PROPOSAL OF BANHARDIH COAL BLOCK OF PVUNL (PROPOSAL NO- FFP/JH/14316)



No. F45A13

Scale 1:50,000

G45S12	G45S16	G45T4
Chitra JHARKHAND		
F45A9	F45A13	F45B1
Latehar JHARKHAND		
F45A10	F45A14	F45B2
Lohardaga JHARKHAND		
1 Palamu, JHARKHAND		

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		
Roads, double cartrippers, according to importance		
Unmetalled road, Cart-track, Path-track with pass, Foot-path		
Stream: with track in bed, unfordable, Canal		
Ditch: masonry or rock-lined, earthen, Wall		
Well: dry with water channel, with hand & press, Tidal river		
Submerged rock, Sand, Shallow water		
Shaly, loam, yellow, Tide-mill, Spring, Trench, permanent dry		
Embankment: road or rail, rock, Broken ground		
Railways: broad gauge: double single with station, under construction		
Railways, other gauges: double single with distance stone: di-		
Mineral: iron or manganese, Kila, Clutter with tunnel		
Culture with sub-features, Rocky slopes, Cliff		
Sea features: (Off-shore) (Inshore) (Submerged) (Submerged)		
Thorn or Village: (shaded) (dotted) (dark) (light)		
Place: (shaded) (dotted) (dark) (light)		
Temple, Church, Mosque, High, Tanka, Ghat, Well		
Lighthouse, Lightship, Beacon, Lighted, unlighted, Jacklight		
Mine: shaft on hillside, Open, Sink		
Forest: primary, other, Plantation, Conifer, Bamboo, Other trees		
Area: cultivated, wooded, Surveyed tree		
Boundary: international		
Area: demarcated, undemarcated		
Water: subterranean, tank or sluic, forest		
Boundary: international, national, state, village		
Height: triangulation station, aneroid, stage, (height) (2000) (200)		
Barometrical height: aneroid, aneroid, (BM) BM 33 (BM) BM 34		
Post office, Telegraph office, Overhead tank		
Rest house or inspection bungalow, Circuit house, Police station		
Camping ground, Forest: (reserved) (protected) (C) (P) (M) (G) (S) (D) (E) (F) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)		
Sanitary: (reserved) (protected) (C) (P) (M) (G) (S) (D) (E) (F) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)		
Mineral: (reserved) (protected) (C) (P) (M) (G) (S) (D) (E) (F) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)		
Power line: with poles, surveyed, with poles, unsurveyed		

REFERENCE  
No. 29 National Highway No. 30

**NOTES**

Height: in metres and above Indian mean sea level.  
Contours are approximate.  
Tide shown only in this area usually occurs from July to December.  
Unmetalled track and cart-track in this sheet are generally unmetalled in dry season.  
The common boundaries of the Protected Forests at some places in this sheet have not been shown for want of reliable information.  
A relative height, H.C. represents the approximate height, in metres, between the top and bottom of these dunes.  
The extent of incidence of areas of Reserved or Protected Forests are shown by green blocks.  
The boundary stone numbers along roads are shown in short type, A.B.C. whereas milestone numbers are shown in upright type, e.g. 10.

**COMPLETION INDEX**

A. Surveyed during 1970-75. Updated for major details during 2008-09.

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

**1:50,000**  
2 cm to 1 km  
CONTOUR INTERVAL: 20 METRES

For further details about the map, please contact  
Director  
Jharkhand Geo-Spatial Data Centre  
Survey of India, Dorenda  
Ranchi - 834002.  
Fax : 0661 - 2482789

Village : Tasatwar

Division	Range	Thana	Plot No.	Area in Ha.
Latehar	Balumath	70	463 P	13.20
			462 P	7.92
			461 P	19.84
			456 P	7.49
<b>Total Area =</b>				<b>48.45</b>



PROJECT AREA

SUDIP KUMAR PURTI  
Survey of India  
Ranchi

Printed under the direction of Surveyor General of India,  
Survey of India, Himalayaloka Estate, Post Box No. 37, Dehra Dun 248001 (Uttarakhand)  
Department of Science & Technology, Government of India.

Divisional Forest Officer  
Latehar Forest Division

न क्षेत्र पदाधिकारी  
बादामथ वन क्षेत्र

**Legend**  
 PROJECT AREA

84°42'0"E 84°43'0"E 84°44'0"E 84°45'0"E 84°46'0"E 84°47'0"E 84°48'0"E 84°49'0"E 84°50'0"E 84°51'0"E 84°52'0"E 84°53'0"E 84°54'0"E 84°55'0"E 84°56'0"E 84°57'0"E 84°58'0"E 84°59'0"E 85°0'0"E 85°1'0"E 85°2'0"E 85°3'0"E 85°4'0"E 85°5'0"E



OPEN SERIES MAP

No. F45A13

Scale 1:50,000

G45S12	G45S16	G45T4
F45A9	F45A13	F45B1
F45A10	F45A14	F45B2

सर्वेक्षण विभाग SURVEY OF INDIA

CONVENTIONAL SYMBOLS

Water	...
Forest	...
...	...

REFERENCE

NOTES

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Projection - UTM Datum - WGS 84

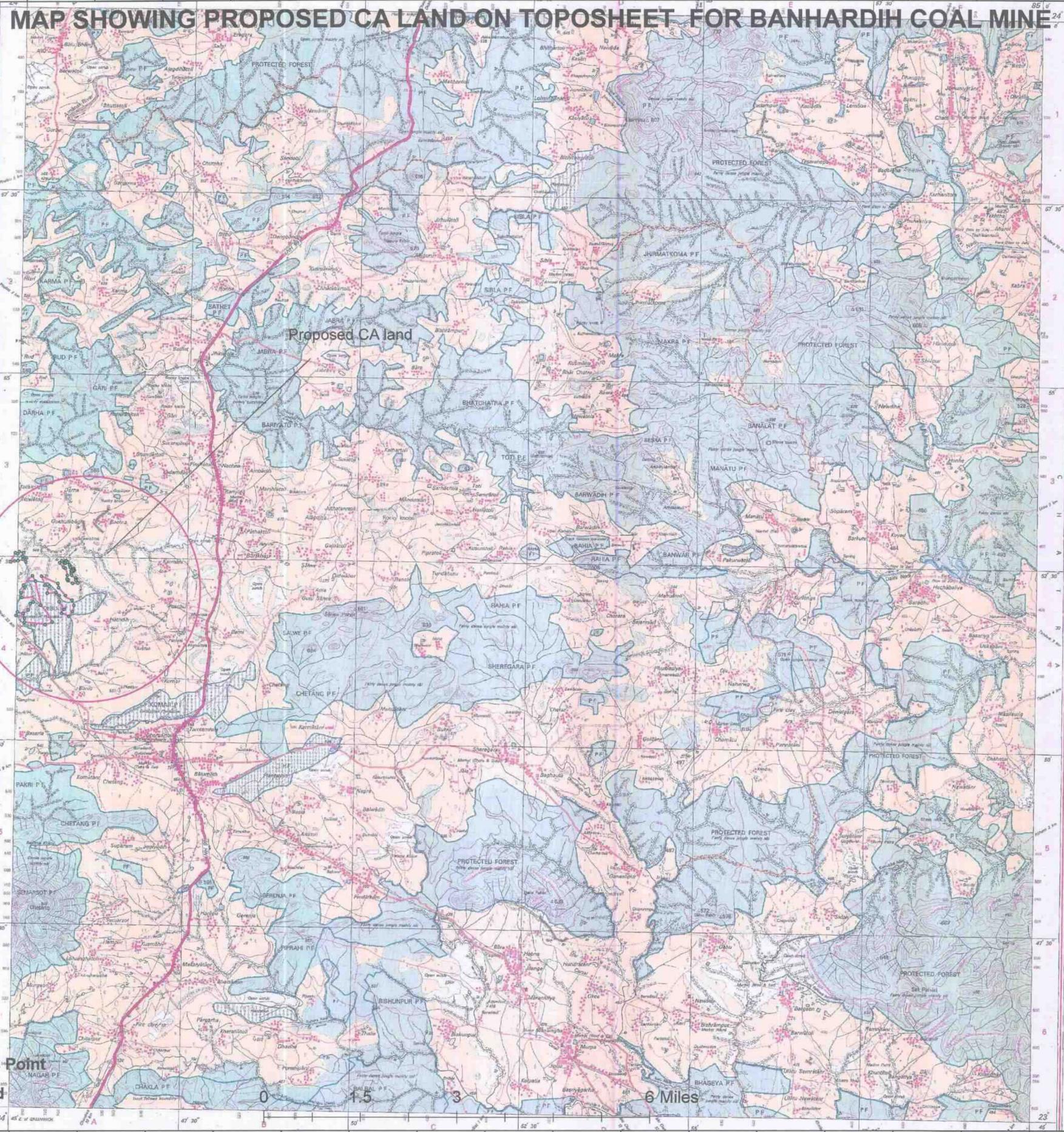
Magnetic Variation from True North about 2' West in 2005.

Scale 1:50,000

Legend

Geo Co-ordinates Point

Proposed CA land



GEO CO-ORDINATES POINTS OF PILLAR POINTS  
UTM- WGS84

SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23°52' 25.305" N	84°44' 53.567" E	45	23°51' 45.622" N	84°45' 38.773" E
2	23°52' 32.809" N	84°44' 57.479" E	46	23°51' 47.111" N	84°45' 41.543" E
3	23°52' 31.941" N	84°44' 59.535" E	47	23°51' 53.348" N	84°45' 36.994" E
4	23°52' 33.818" N	84°45' 0.970" E	48	23°51' 58.428" N	84°45' 37.049" E
5	23°52' 33.804" N	84°45' 1.920" E	49	23°52' 0.795" N	84°45' 34.112" E
6	23°52' 32.997" N	84°45' 4.705" E	50	23°52' 0.223" N	84°45' 26.212" E
7	23°52' 29.922" N	84°45' 4.066" E	51	23°52' 0.917" N	84°45' 26.016" E
8	23°52' 28.664" N	84°45' 7.638" E	52	23°52' 5.970" N	84°45' 27.917" E
9	23°52' 25.477" N	84°45' 6.971" E	53	23°52' 6.678" N	84°45' 24.204" E
10	23°52' 27.516" N	84°45' 4.233" E	54	23°52' 14.039" N	84°45' 20.856" E
11	23°52' 26.193" N	84°44' 59.874" E	55	23°52' 11.125" N	84°45' 28.592" E
12	23°52' 26.208" N	84°44' 57.218" E	56	23°52' 8.358" N	84°45' 35.544" E
13	23°51' 36.294" N	84°45' 6.803" E	57	23°52' 4.868" N	84°45' 36.171" E
14	23°51' 39.292" N	84°45' 6.569" E	58	23°51' 58.498" N	84°45' 42.417" E
15	23°51' 40.565" N	84°45' 4.892" E	59	23°51' 57.346" N	84°45' 42.367" E
16	23°51' 41.321" N	84°45' 3.014" E	60	23°51' 54.759" N	84°45' 48.531" E
17	23°51' 41.539" N	84°44' 59.144" E	61	23°51' 50.575" N	84°45' 50.169" E
18	23°51' 44.380" N	84°45' 0.343" E	62	23°51' 45.242" N	84°45' 48.806" E
19	23°51' 43.213" N	84°45' 5.348" E	63	23°52' 25.293" N	84°45' 38.687" E
20	23°51' 46.037" N	84°45' 9.731" E	64	23°52' 26.819" N	84°45' 38.687" E
21	23°51' 48.287" N	84°45' 10.940" E	65	23°52' 24.917" N	84°45' 40.926" E
22	23°51' 51.283" N	84°45' 11.402" E	66	23°52' 25.200" N	84°45' 41.983" E
23	23°51' 52.793" N	84°45' 14.222" E	67	23°52' 26.859" N	84°45' 42.752" E
24	23°51' 56.998" N	84°45' 13.751" E	68	23°52' 24.995" N	84°45' 44.445" E
25	23°51' 56.428" N	84°45' 9.821" E	69	23°52' 21.713" N	84°45' 46.252" E
26	23°51' 56.203" N	84°45' 4.015" E	70	23°52' 20.686" N	84°45' 48.900" E
27	23°52' 0.096" N	84°45' 3.255" E	71	23°52' 19.543" N	84°45' 49.965" E
28	23°52' 3.085" N	84°45' 4.912" E	72	23°52' 19.006" N	84°45' 49.472" E
29	23°52' 5.089" N	84°45' 6.466" E	73	23°52' 19.102" N	84°45' 47.548" E
30	23°52' 6.534" N	84°45' 5.229" E	74	23°52' 18.577" N	84°45' 47.123" E
31	23°52' 11.306" N	84°45' 9.410" E	75	23°52' 17.936" N	84°45' 47.922" E
32	23°52' 14.146" N	84°45' 12.922" E	76	23°52' 16.559" N	84°45' 47.262" E
33	23°52' 9.813" N	84°45' 15.818" E	77	23°52' 15.152" N	84°45' 47.634" E
34	23°52' 1.275" N	84°45' 17.774" E	78	23°52' 12.825" N	84°45' 51.215" E
35	23°51' 50.199" N	84°45' 20.876" E	79	23°52' 11.030" N	84°45' 51.372" E
36	23°51' 44.557" N	84°45' 24.945" E	80	23°52' 9.116" N	84°45' 53.337" E
37	23°51' 44.271" N	84°45' 26.650" E	81	23°52' 8.601" N	84°45' 48.567" E
38	23°51' 36.636" N	84°45' 31.091" E	82	23°52' 10.663" N	84°45' 44.326" E
39	23°51' 34.533" N	84°45' 24.816" E	83	23°52' 11.451" N	84°45' 44.675" E
40	23°51' 35.169" N	84°45' 21.127" E	84	23°52' 11.957" N	84°45' 43.344" E
41	23°51' 35.708" N	84°45' 14.035" E	85	23°52' 15.114" N	84°45' 47.779" E
42	23°51' 41.346" N	84°45' 45.693" E	86	23°52' 19.128" N	84°45' 42.644" E
43	23°51' 43.392" N	84°45' 42.330" E	87	23°52' 20.803" N	84°45' 41.717" E
44	23°51' 43.771" N	84°45' 39.318" E	88	23°52' 21.675" N	84°45' 40.244" E

Village Name	Thana No
DEMBU	89
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	85.07

Subodh John Purti  
Manager (Technical) Banhardih Coal Mine  
PATRATI VIOPIT UPADAN NIGAM LTD.  
Pattana, Dist. Raigarh (C.G.)

Pravesh Kumar  
Divisional Forest Officer  
Latehar Forest Division

User Agency- Banhardih Coal mine, PVUNL

Surveyed By: Subodh John Purti  
Project Proponent: Banhardih Coal Mine  
Divisional Forest Officer, Latehar

84°42'0"E 84°43'0"E 84°44'0"E 84°45'0"E 84°46'0"E 84°47'0"E 84°48'0"E 84°49'0"E 84°50'0"E 84°51'0"E 84°52'0"E 84°53'0"E 84°54'0"E 84°55'0"E 84°56'0"E 84°57'0"E 84°58'0"E 84°59'0"E 85°0'0"E 85°1'0"E 85°2'0"E 85°3'0"E 85°4'0"E 85°5'0"E

23°45'0"N 23°46'0"N 23°47'0"N 23°48'0"N 23°49'0"N 23°50'0"N 23°51'0"N 23°52'0"N 23°53'0"N 23°54'0"N 23°55'0"N 23°56'0"N 23°57'0"N 23°58'0"N 23°59'0"N 24°0'0"N



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निर्धारित के सिंगे नहीं

# MAP SHOWING PROPOSED CA LAND ON TOPOSHEET FOR BANHARDIH COAL MINE

OPEN SERIES MAP

No. F45A13

Scale 1:50,000



भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2008 Price : Rs. 50/-

**CONVENTIONAL SYMBOLS**

Double lighted red line with white dashes with orange side	1:1
Red line with white dashes	1:2
Red line with white dashes and orange side	1:3
Red line with white dashes and orange side (thick)	1:4
Red line with white dashes and orange side (thin)	1:5
Red line with white dashes and orange side (dotted)	1:6
Red line with white dashes and orange side (dashed)	1:7
Red line with white dashes and orange side (dash-dot)	1:8
Red line with white dashes and orange side (long-dash)	1:9
Red line with white dashes and orange side (short-dash)	1:10
Red line with white dashes and orange side (dash-dot-dot)	1:11
Red line with white dashes and orange side (long-dash-dot)	1:12
Red line with white dashes and orange side (short-dash-dot)	1:13
Red line with white dashes and orange side (dash-dot-dot-dot)	1:14
Red line with white dashes and orange side (long-dash-dot-dot)	1:15
Red line with white dashes and orange side (short-dash-dot-dot)	1:16
Red line with white dashes and orange side (dash-dot-dot-dot-dot)	1:17
Red line with white dashes and orange side (long-dash-dot-dot-dot)	1:18
Red line with white dashes and orange side (short-dash-dot-dot-dot)	1:19
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot)	1:20
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot)	1:21
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot)	1:22
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot)	1:23
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot)	1:24
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot)	1:25
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot)	1:26
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot)	1:27
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot)	1:28
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot)	1:29
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot-dot)	1:30
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot-dot)	1:31
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:32
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot-dot-dot)	1:33
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot-dot-dot)	1:34
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:35
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:36
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:37
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:38
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:39
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:40
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:41
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:42
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:43
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:44
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:45
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:46
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:47
Red line with white dashes and orange side (long-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:48
Red line with white dashes and orange side (short-dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:49
Red line with white dashes and orange side (dash-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot-dot)	1:50

REFERENCE

NOTES

COMPILED BY

Legend

Geo Co-ordinates Point

Proposed CA land

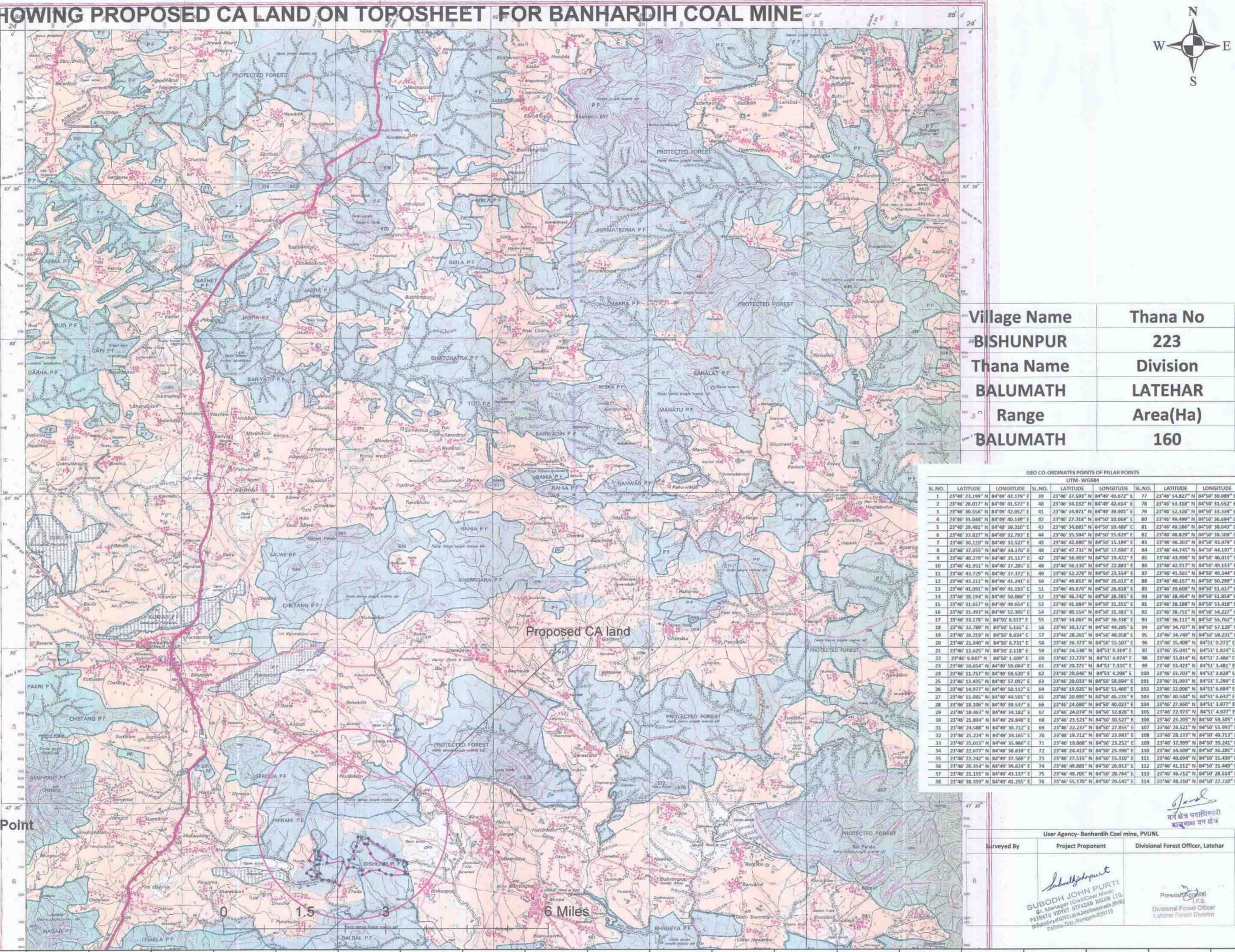
Projection

Magnetic Variation from True North about 7° West in 2005.

1:50,000

Scale bar

Director, Jharkhand Geo-Spatial Data Centre



Village Name	Thana No
BISHUNPUR	223
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	160

UTM - WGS84

SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23°46' 21.199" N	84°49' 42.179" E	39	23°46' 37.593" N	84°49' 45.672" E	77	23°46' 54.827" N	84°50' 10.889" E
2	23°46' 26.017" N	84°49' 41.572" E	40	23°46' 34.132" N	84°49' 42.614" E	78	23°46' 53.318" N	84°50' 11.652" E
3	23°46' 30.556" N	84°49' 42.052" E	41	23°46' 34.913" N	84°49' 39.901" E	79	23°46' 52.326" N	84°50' 13.334" E
4	23°46' 31.044" N	84°49' 40.149" E	42	23°46' 27.319" N	84°50' 10.069" E	80	23°46' 48.499" N	84°50' 16.694" E
5	23°46' 29.481" N	84°49' 39.310" E	43	23°46' 34.681" N	84°50' 10.489" E	81	23°46' 48.586" N	84°50' 18.043" E
6	23°46' 33.827" N	84°49' 32.793" E	44	23°46' 35.594" N	84°50' 15.829" E	82	23°46' 48.829" N	84°50' 19.308" E
7	23°46' 36.119" N	84°49' 32.527" E	45	23°46' 42.687" N	84°50' 15.887" E	83	23°46' 48.207" N	84°50' 43.079" E
8	23°46' 37.953" N	84°49' 34.170" E	46	23°46' 47.731" N	84°50' 17.888" E	84	23°46' 44.145" N	84°50' 44.187" E
9	23°46' 40.229" N	84°49' 35.117" E	47	23°46' 56.901" N	84°50' 19.423" E	85	23°46' 43.990" N	84°50' 46.015" E
10	23°46' 41.951" N	84°49' 37.285" E	48	23°46' 56.130" N	84°50' 22.884" E	86	23°46' 42.517" N	84°50' 49.153" E
11	23°46' 43.729" N	84°49' 37.372" E	49	23°46' 52.278" N	84°50' 23.554" E	87	23°46' 41.561" N	84°50' 49.184" E
12	23°46' 43.211" N	84°49' 41.241" E	50	23°46' 49.813" N	84°50' 25.032" E	88	23°46' 40.157" N	84°50' 50.299" E
13	23°46' 41.091" N	84°49' 41.193" E	51	23°46' 49.876" N	84°50' 26.818" E	89	23°46' 39.600" N	84°50' 51.017" E
14	23°46' 38.194" N	84°49' 50.086" E	52	23°46' 46.742" N	84°50' 28.385" E	90	23°46' 38.464" N	84°50' 51.854" E
15	23°46' 33.657" N	84°49' 49.654" E	53	23°46' 41.084" N	84°50' 31.351" E	91	23°46' 38.188" N	84°50' 53.418" E
16	23°46' 31.493" N	84°49' 52.305" E	54	23°46' 40.554" N	84°50' 31.383" E	92	23°46' 38.751" N	84°50' 54.227" E
17	23°46' 33.178" N	84°50' 0.517" E	55	23°46' 34.067" N	84°50' 36.338" E	93	23°46' 36.111" N	84°50' 55.762" E
18	23°46' 32.789" N	84°50' 1.155" E	56	23°46' 30.172" N	84°50' 44.285" E	94	23°46' 34.707" N	84°50' 57.129" E
19	23°46' 26.219" N	84°50' 6.634" E	57	23°46' 28.263" N	84°50' 48.954" E	95	23°46' 34.749" N	84°50' 58.231" E
20	23°46' 21.040" N	84°50' 6.731" E	58	23°46' 26.373" N	84°50' 55.507" E	96	23°46' 35.408" N	84°50' 52.272" E
21	23°46' 11.625" N	84°50' 2.118" E	59	23°46' 24.538" N	84°50' 0.319" E	97	23°46' 35.041" N	84°50' 1.824" E
22	23°46' 9.847" N	84°50' 1.609" E	60	23°46' 22.721" N	84°50' 4.674" E	98	23°46' 33.814" N	84°50' 1.488" E
23	23°46' 10.854" N	84°49' 59.004" E	61	23°46' 20.371" N	84°50' 7.335" E	99	23°46' 33.423" N	84°50' 1.481" E
24	23°46' 11.757" N	84°49' 58.520" E	62	23°46' 20.648" N	84°50' 4.298" E	100	23°46' 31.703" N	84°50' 1.829" E
25	23°46' 11.435" N	84°49' 57.092" E	63	23°46' 20.033" N	84°50' 58.694" E	101	23°46' 31.993" N	84°50' 5.299" E
26	23°46' 14.977" N	84°49' 50.112" E	64	23°46' 19.925" N	84°50' 51.460" E	102	23°46' 32.006" N	84°50' 6.634" E
27	23°46' 15.085" N	84°49' 53.201" E	65	23°46' 20.991" N	84°50' 46.770" E	103	23°46' 30.544" N	84°50' 6.639" E
28	23°46' 18.968" N	84°49' 53.377" E	66	23°46' 24.600" N	84°50' 40.021" E	104	23°46' 27.360" N	84°50' 1.977" E
29	23°46' 18.463" N	84°49' 54.182" E	67	23°46' 24.074" N	84°50' 32.828" E	105	23°46' 22.973" N	84°50' 4.927" E
30	23°46' 21.804" N	84°49' 29.848" E	68	23°46' 23.523" N	84°50' 30.527" E	106	23°46' 25.205" N	84°50' 59.505" E
31	23°46' 24.598" N	84°49' 30.712" E	69	23°46' 22.237" N	84°50' 23.252" E	107	23°46' 26.212" N	84°50' 55.993" E
32	23°46' 25.024" N	84°49' 34.165" E	70	23°46' 19.712" N	84°50' 23.883" E	108	23°46' 28.133" N	84°50' 49.713" E
33	23°46' 25.015" N	84°49' 35.886" E	71	23°46' 19.868" N	84°50' 23.252" E	109	23°46' 32.999" N	84°50' 39.241" E
34	23°46' 27.677" N	84°49' 36.819" E	72	23°46' 24.413" N	84°50' 23.396" E	110	23°46' 34.509" N	84°50' 36.285" E
35	23°46' 22.242" N	84°49' 37.558" E	73	23°46' 27.515" N	84°50' 15.310" E	111	23°46' 40.694" N	84°50' 31.499" E
36	23°46' 20.314" N	84°49' 36.624" E	74	23°46' 49.881" N	84°50' 26.913" E	112	23°46' 41.312" N	84°50' 31.469" E
37	23°46' 21.155" N	84°49' 43.137" E	75	23°46' 49.705" N	84°50' 28.764" E	113	23°46' 46.712" N	84°50' 28.514" E
38	23°46' 38.359" N	84°49' 41.255" E	76	23°46' 55.170" N	84°50' 29.542" E	114	23°46' 48.310" N	84°50' 27.207" E

User Agency- Banhardih Coal mine, PVUNL

Surveyed By: *Subodh John Puri*

Project Proponent: *Subodh John Puri*

Divisional Forest Officer, Latehar

Subodh JOHN PURTI  
Sr. Manager (Civil/Coal Mine)  
PATRABU VIDYUT NIPADA NIGAM LTD.  
Kharagpur, West Bengal-751005  
Patna-01, Ramgarh-829119

Praveen Kumar  
Divisional Forest Officer  
Latehar Forest Division

# MAP SHOWING PROPOSED CA LAND ON TOPOSHEET FOR BANHARDIH COAL MINE

निर्णय के लिये नहीं NOT FOR EXPORT

**OPEN SERIES MAP**

**No. F45A13**

Scale 1:50,000

G45S12	G45S16	G45T4
F45A9	F45A13	F45B1
F45A10	F45A14	F45B2

सर्वेक्षण विभाग SURVEY OF INDIA

Price : Rs. 50/-

CONVENTIONAL SYMBOLS

REFERENCE

NOTES

**Legend**

1:50,000

Geo Co-ordinate Point

Proposed CA land



Village Name	Thana No
BARIATU	79
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	245.9

GEO CO-ORDINATES POINTS OF PILLAR POINTS

SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23° 54' 19.596" N	84° 48' 11.068" E	77	23° 54' 40.366" N	84° 48' 51.052" E
2	23° 54' 19.201" N	84° 48' 9.815" E	78	23° 54' 39.950" N	84° 48' 51.007" E
3	23° 54' 19.176" N	84° 48' 6.520" E	79	23° 54' 38.554" N	84° 48' 51.318" E
4	23° 54' 22.782" N	84° 48' 6.191" E	80	23° 54' 37.629" N	84° 48' 48.338" E
5	23° 54' 25.688" N	84° 48' 5.697" E	81	23° 54' 37.796" N	84° 48' 47.677" E
6	23° 54' 26.121" N	84° 48' 6.787" E	82	23° 54' 34.396" N	84° 48' 45.348" E
7	23° 54' 26.568" N	84° 48' 6.422" E	83	23° 54' 32.343" N	84° 48' 45.181" E
8	23° 54' 26.635" N	84° 48' 5.509" E	84	23° 54' 30.955" N	84° 48' 46.908" E
9	23° 54' 29.322" N	84° 48' 5.045" E	85	23° 54' 29.118" N	84° 48' 48.295" E
10	23° 54' 30.694" N	84° 48' 5.183" E	86	23° 54' 27.545" N	84° 48' 47.821" E
11	23° 54' 31.384" N	84° 48' 5.464" E	87	23° 54' 23.612" N	84° 48' 49.831" E
12	23° 54' 35.166" N	84° 48' 4.885" E	88	23° 54' 21.407" N	84° 48' 50.119" E
13	23° 54' 37.308" N	84° 48' 3.938" E	89	23° 54' 20.487" N	84° 48' 49.467" E
14	23° 54' 38.743" N	84° 48' 5.200" E	90	23° 54' 18.905" N	84° 48' 50.453" E
15	23° 54' 36.336" N	84° 48' 9.727" E	91	23° 54' 18.137" N	84° 48' 50.351" E
16	23° 54' 33.260" N	84° 48' 15.513" E	92	23° 54' 17.400" N	84° 48' 46.989" E
17	23° 54' 44.941" N	84° 48' 15.992" E	93	23° 54' 19.008" N	84° 48' 45.008" E
18	23° 54' 55.310" N	84° 48' 15.923" E	94	23° 54' 18.809" N	84° 48' 44.065" E
19	23° 54' 56.741" N	84° 48' 7.752" E	95	23° 54' 16.986" N	84° 48' 43.330" E
20	23° 55' 1.151" N	84° 48' 5.729" E	96	23° 54' 17.055" N	84° 48' 42.192" E
21	23° 55' 3.617" N	84° 48' 5.087" E	97	23° 54' 18.428" N	84° 48' 40.298" E
22	23° 55' 7.957" N	84° 48' 6.146" E	98	23° 54' 16.550" N	84° 48' 38.150" E
23	23° 55' 7.381" N	84° 48' 10.281" E	99	23° 54' 15.521" N	84° 48' 37.722" E
24	23° 55' 6.785" N	84° 48' 12.775" E	100	23° 54' 15.450" N	84° 48' 33.117" E
25	23° 55' 4.572" N	84° 48' 16.933" E	101	23° 54' 14.785" N	84° 48' 31.228" E
26	23° 55' 3.865" N	84° 48' 20.677" E	102	23° 54' 14.014" N	84° 48' 30.625" E
27	23° 55' 3.437" N	84° 48' 24.753" E	103	23° 54' 16.270" N	84° 48' 25.595" E
28	23° 55' 4.645" N	84° 48' 28.398" E	104	23° 54' 13.630" N	84° 48' 31.345" E
29	23° 55' 6.460" N	84° 48' 32.175" E	105	23° 54' 14.443" N	84° 48' 33.580" E
30	23° 55' 6.666" N	84° 48' 34.304" E	106	23° 54' 14.447" N	84° 48' 36.157" E
31	23° 55' 1.746" N	84° 48' 35.878" E	107	23° 54' 14.958" N	84° 48' 38.907" E
32	23° 54' 59.956" N	84° 48' 36.386" E	108	23° 54' 16.727" N	84° 48' 39.201" E
33	23° 54' 58.434" N	84° 48' 36.218" E	109	23° 54' 17.801" N	84° 48' 40.193" E
34	23° 54' 56.988" N	84° 48' 37.230" E	110	23° 54' 16.815" N	84° 48' 41.308" E
35	23° 54' 55.306" N	84° 48' 36.857" E	111	23° 54' 16.470" N	84° 48' 43.826" E
36	23° 54' 54.279" N	84° 48' 35.088" E	112	23° 54' 18.326" N	84° 48' 44.545" E
37	23° 54' 52.441" N	84° 48' 35.696" E	113	23° 54' 18.671" N	84° 48' 45.074" E
38	23° 54' 49.249" N	84° 48' 35.055" E	114	23° 54' 16.891" N	84° 48' 47.564" E
39	23° 54' 48.168" N	84° 48' 35.947" E	115	23° 54' 18.315" N	84° 48' 51.059" E
40	23° 54' 48.034" N	84° 48' 38.081" E	116	23° 54' 20.530" N	84° 48' 50.032" E
41	23° 54' 50.537" N	84° 48' 40.433" E	117	23° 54' 21.434" N	84° 48' 50.836" E
42	23° 54' 50.275" N	84° 48' 42.824" E	118	23° 54' 23.278" N	84° 48' 50.844" E
43	23° 54' 49.781" N	84° 48' 43.037" E	119	23° 54' 27.511" N	84° 48' 48.338" E
44	23° 54' 49.474" N	84° 48' 45.249" E	120	23° 54' 29.063" N	84° 48' 48.812" E
45	23° 54' 50.038" N	84° 48' 47.051" E	121	23° 54' 30.471" N	84° 48' 47.975" E
46	23° 54' 46.498" N	84° 48' 48.841" E	122	23° 54' 26.628" N	84° 48' 53.480" E
47	23° 54' 44.612" N	84° 48' 47.809" E	123	23° 54' 25.904" N	84° 48' 56.262" E
48	23° 54' 40.016" N	84° 48' 50.170" E	124	23° 54' 26.336" N	84° 48' 58.597" E
49	23° 54' 40.385" N	84° 48' 50.712" E	125	23° 54' 26.114" N	84° 48' 60.477" E
50	23° 54' 38.125" N	84° 48' 49.900" E	126	23° 54' 23.591" N	84° 48' 61.111" E
51	23° 54' 32.464" N	84° 48' 34.100" E	127	23° 54' 21.682" N	84° 48' 62.157" E
52	23° 54' 27.266" N	84° 48' 29.361" E	128	23° 54' 19.248" N	84° 48' 65.878" E
53	23° 54' 23.755" N	84° 48' 26.857" E	129	23° 54' 18.318" N	84° 48' 66.287" E
54	23° 54' 23.877" N	84° 48' 20.411" E	130	23° 54' 18.531" N	84° 48' 67.749" E
55	23° 54' 23.842" N	84° 48' 14.795" E	131	23° 53' 59.415" N	84° 48' 68.862" E
56	23° 54' 22.640" N	84° 48' 11.717" E	132	23° 53' 58.763" N	84° 48' 67.554" E
57	23° 54' 26.898" N	84° 48' 7.564" E	133	23° 53' 55.931" N	84° 48' 68.011" E
58	23° 54' 33.040" N	84° 48' 7.811" E	134	23° 53' 51.355" N	84° 48' 68.866" E
59	23° 54' 32.116" N	84° 48' 12.180" E	135	23° 53' 49.985" N	84° 48' 64.620" E
60	23° 54' 27.814" N	84° 48' 10.600" E	136	23° 53' 43.618" N	84° 48' 61.424" E
61	23° 54' 44.857" N	84° 48' 44.900" E	137	23° 53' 43.456" N	84° 48' 60.226" E
62	23° 54' 45.177" N	84° 48' 45.179" E	138	23° 53' 44.030" N	84° 48' 60.018" E
63	23° 54' 44.906" N	84° 48' 45.602" E	139	23° 53' 42.066" N	84° 48' 67.992" E
64	23° 54' 44.545" N	84° 48' 45.353" E	140	23° 53' 42.065" N	84° 48' 61.992" E
65	23° 54' 47.310" N	84° 48' 46.476" E	141	23° 53' 43.780" N	84° 48' 65.699" E
66	23° 54' 48.198" N	84° 48' 47.253" E	142	23° 53' 44.996" N	84° 48' 59.110" E
67	23° 54' 47.896" N	84° 48' 47.809" E	143	23° 53' 45.216" N	84° 48' 53.736" E
68	23° 54' 46.810" N	84° 48' 46.979" E	144	23° 53' 44.603" N	84° 48' 53.053" E
69	23° 54' 17.090" N	84° 48' 21.057" E	145	23° 53' 44.134" N	84° 48' 46.476" E
70	23° 54' 17.711" N	84° 48' 20.050" E	146	23° 53' 44.806" N	84° 48' 44.812" E
71	23° 54' 23.316" N	84° 48' 20.228" E	147	23° 53' 46.596" N	84° 48' 43.136" E
72	23° 54' 23.319" N	84° 48' 27.163" E	148	23° 53' 49.677" N	84° 48' 43.376" E
73	23° 54' 27.132" N	84° 48' 29.883" E	149	23° 53' 56.022" N	84° 48' 41.719" E
74	23° 54' 32.330" N	84° 48' 34.798" E	150	23° 53' 59.647" N	84° 48' 36.793" E
75	23° 54' 37.528" N	84° 48' 43.731" E	151	23° 54' 3.536" N	84° 48' 36.821" E
76	23° 54' 39.514" N	84° 48' 50.450" E	152	23° 54' 9.971" N	84° 48' 35.948" E

User Agency- Banhardih Coal mine, PVUNL

Surveyed By: *Subodh John Purti*

Project Proponent: *Subodh John Purti*

Divisional Forest Officer, Latehar: *Praveen Kumar*

**SUBODH JOHN PURTI**  
Sr. Manager (Civil) Banhardih Coal Mine  
BARIATU W/UTP UTP/BAN NIGAM LTD.  
Banhardih, Dist. Patna-824119

**Praveen Kumar**  
Divisional Forest Officer  
Latehar Forest Division





84°42'0"E 84°43'0"E 84°44'0"E 84°45'0"E 84°46'0"E 84°47'0"E 84°48'0"E 84°49'0"E 84°50'0"E 84°51'0"E 84°52'0"E 84°53'0"E 84°54'0"E 84°55'0"E 84°56'0"E 84°57'0"E 84°58'0"E 84°59'0"E 85°0'0"E 85°1'0"E 85°2'0"E 85°3'0"E 85°4'0"E

**No. F45A13**  
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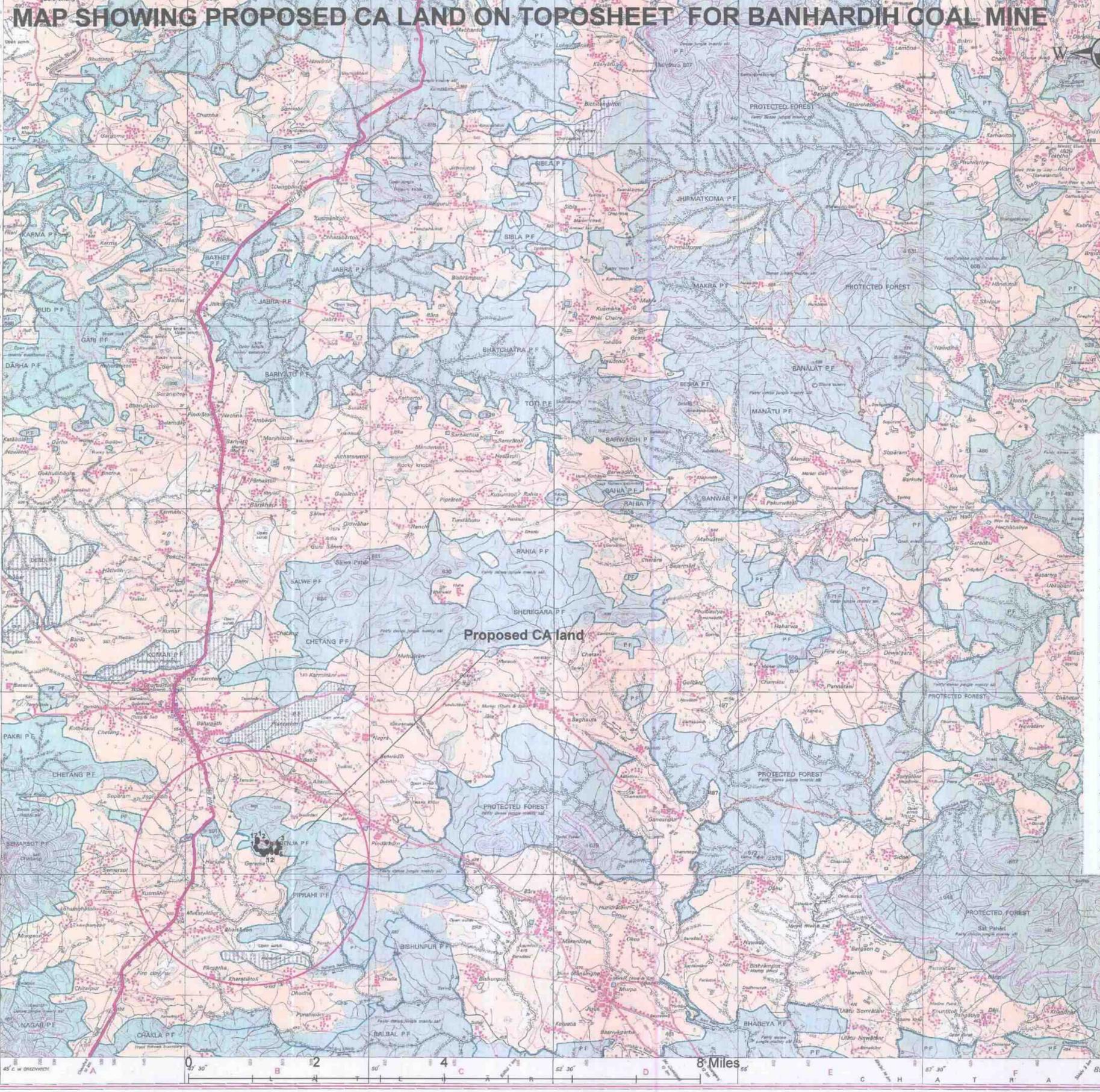
**CONVENTIONAL SYMBOLS**

Symbol	Description
[Symbol]	Water
[Symbol]	Protected Forest
[Symbol]	Proposed CA Land
[Symbol]	Contour Lines
[Symbol]	Settlements
[Symbol]	Roads
[Symbol]	Railways
[Symbol]	Boundaries
[Symbol]	Other features

**Legend**

- Geo Co-ordinate Point
- Proposed CA land

Projection - UTM Datum - WGS 84  
Magnetic Variation from True North about 1° West in 2005.  
Scale 1:50,000  
CONTOUR INTERVAL OF METRES  
Director  
Jharkhand Geo-Spatial Data Centre  
Survey of India, Dordaha  
Ranchi - 834002  
Fax : 0931 - 2482785  
WEBSITE - www.surveyofindia.gov.in



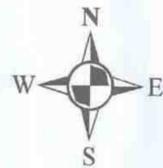
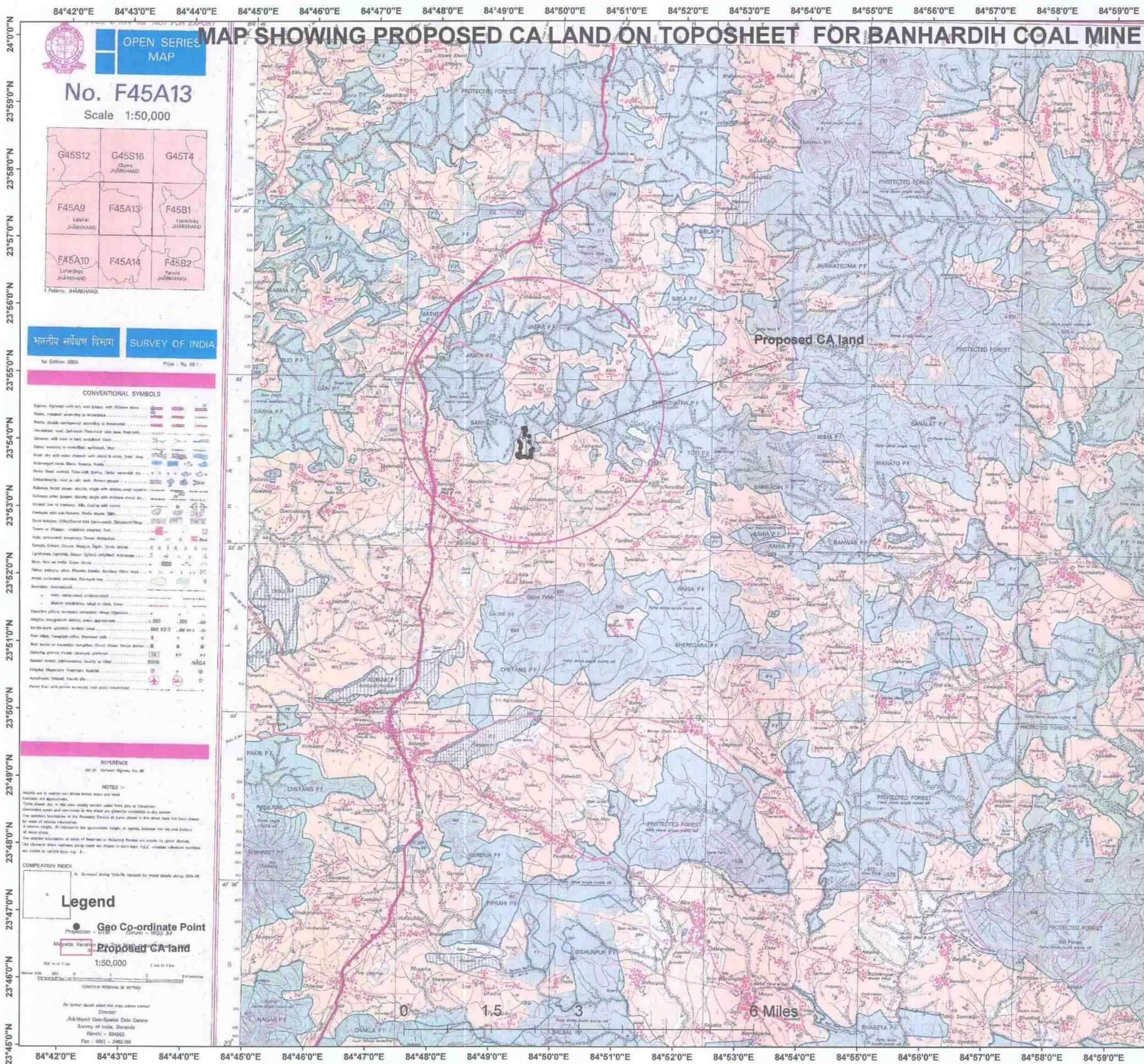
Village Name	Thana No
GERENJA	214
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	11.82

**GEO CO-ORDINATES POINTS OF PILLAR POINTS**  
UTM- WGS84

SL.NO.	LATITUDE	LONGITUDE
1	23°47' 46.217" N	84°48' 33.620" E
2	23°47' 48.091" N	84°48' 31.764" E
3	23°47' 49.410" N	84°48' 31.110" E
4	23°47' 50.245" N	84°48' 28.045" E
5	23°47' 52.335" N	84°48' 26.780" E
6	23°47' 56.885" N	84°48' 28.329" E
7	23°47' 58.727" N	84°48' 28.236" E
8	23°47' 57.494" N	84°48' 32.467" E
9	23°47' 56.428" N	84°48' 36.674" E
10	23°47' 55.612" N	84°48' 40.955" E
11	23°47' 54.749" N	84°48' 45.482" E
12	23°47' 51.714" N	84°48' 45.951" E
13	23°47' 49.942" N	84°48' 44.173" E
14	23°47' 47.927" N	84°48' 43.954" E
15	23°47' 49.499" N	84°48' 41.148" E
16	23°47' 50.708" N	84°48' 39.229" E
17	23°47' 48.735" N	84°48' 36.632" E
18	23°47' 49.515" N	84°48' 36.139" E
19	23°47' 49.107" N	84°48' 35.463" E
20	23°47' 48.175" N	84°48' 36.043" E

Surveyed By: *Subodh John Parti*  
Project Proponent: Sr. Manager (Coal Mine) PATRATU HOTSPOT UTTAPAN NIGAM LTD.  
Divisional Forest Officer, Latehar

84°42'0"E 84°43'0"E 84°44'0"E 84°45'0"E 84°46'0"E 84°47'0"E 84°48'0"E 84°49'0"E 84°50'0"E 84°51'0"E 84°52'0"E 84°53'0"E 84°54'0"E 84°55'0"E 84°56'0"E 84°57'0"E 84°58'0"E 84°59'0"E 85°0'0"E 85°1'0"E 85°2'0"E 85°3'0"E 85°4'0"E



Village Name	Thana No
JABRA	35
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	19.43

GEO CO-ORDINATES POINTS OF PILLAR POINTS					
UTM- WGS84					
SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23°53' 50.592" N	84°49' 19.924" E	29	23°54' 5.770" N	84°49' 30.807" E
2	23°53' 52.477" N	84°49' 19.696" E	30	23°54' 3.383" N	84°49' 31.319" E
3	23°53' 53.050" N	84°49' 20.096" E	31	23°53' 58.919" N	84°49' 33.733" E
4	23°53' 53.097" N	84°49' 21.565" E	32	23°53' 57.535" N	84°49' 34.814" E
5	23°53' 54.185" N	84°49' 22.410" E	33	23°53' 55.924" N	84°49' 32.874" E
6	23°53' 57.943" N	84°49' 22.756" E	34	23°53' 52.409" N	84°49' 33.472" E
7	23°53' 58.994" N	84°49' 23.406" E	35	23°53' 51.662" N	84°49' 34.281" E
8	23°53' 59.430" N	84°49' 23.225" E	36	23°53' 50.888" N	84°49' 34.305" E
9	23°53' 59.680" N	84°49' 22.660" E	37	23°53' 50.175" N	84°49' 33.470" E
10	23°53' 59.883" N	84°49' 23.145" E	38	23°53' 51.443" N	84°49' 32.924" E
11	23°54' 0.281" N	84°49' 23.286" E	39	23°53' 51.433" N	84°49' 32.233" E
12	23°54' 0.756" N	84°49' 22.866" E	40	23°53' 51.070" N	84°49' 31.865" E
13	23°54' 1.742" N	84°49' 23.259" E	41	23°53' 50.954" N	84°49' 30.947" E
14	23°54' 3.846" N	84°49' 21.316" E	42	23°53' 50.426" N	84°49' 30.589" E
15	23°54' 5.960" N	84°49' 21.578" E	43	23°53' 49.970" N	84°49' 29.837" E
16	23°54' 8.637" N	84°49' 21.943" E	44	23°53' 50.199" N	84°49' 29.010" E
17	23°54' 10.692" N	84°49' 23.093" E	45	23°53' 50.505" N	84°49' 28.780" E
18	23°54' 15.407" N	84°49' 24.888" E	46	23°53' 50.795" N	84°49' 27.587" E
19	23°54' 15.583" N	84°49' 27.483" E	47	23°53' 50.230" N	84°49' 26.343" E
20	23°54' 13.378" N	84°49' 28.042" E	48	23°53' 50.670" N	84°49' 25.857" E
21	23°54' 12.801" N	84°49' 28.535" E	49	23°53' 50.656" N	84°49' 25.304" E
22	23°54' 12.431" N	84°49' 28.210" E	50	23°53' 50.390" N	84°49' 25.001" E
23	23°54' 11.323" N	84°49' 26.489" E	51	23°53' 50.540" N	84°49' 24.438" E
24	23°54' 9.578" N	84°49' 26.821" E	52	23°53' 49.819" N	84°49' 24.053" E
25	23°54' 9.432" N	84°49' 28.866" E	53	23°53' 50.141" N	84°49' 23.965" E
26	23°54' 9.269" N	84°49' 29.755" E	54	23°53' 50.272" N	84°49' 22.953" E
27	23°54' 8.544" N	84°49' 31.019" E	55	23°53' 49.915" N	84°49' 22.165" E
28	23°54' 7.382" N	84°49' 31.341" E	56	23°53' 50.111" N	84°49' 20.912" E

User Agency- Banhardih Coal mine, PVUNL		
Surveyed By	Project Proponent	Divisional Forest Officer, Latehar
	Subodh John Purti Sr. Manager (Civil Coal Mine) PATRATU VIDYUT UTPADAN NIGAM LTD. (A Subsidiary of IITP Ltd. Bangalore-560025) Patratu, Dist., Rangoon-829119	Pravesh Prasad I.F.S. Divisional Forest Officer Latehar Forest Division

# MAP SHOWING PROPOSED CA LAND ON TOPOSHEET FOR BANHARDIH COAL MINE

**OPEN SERIES MAP**  
**No. F45A13**  
 Scale 1:50,000

भारतीय सर्वेक्षण विभाग  
**SURVEY OF INDIA**  
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**CONVENTIONAL SYMBOLS**

**REFERENCE**  
 Map No. 89 National Highway No. 89

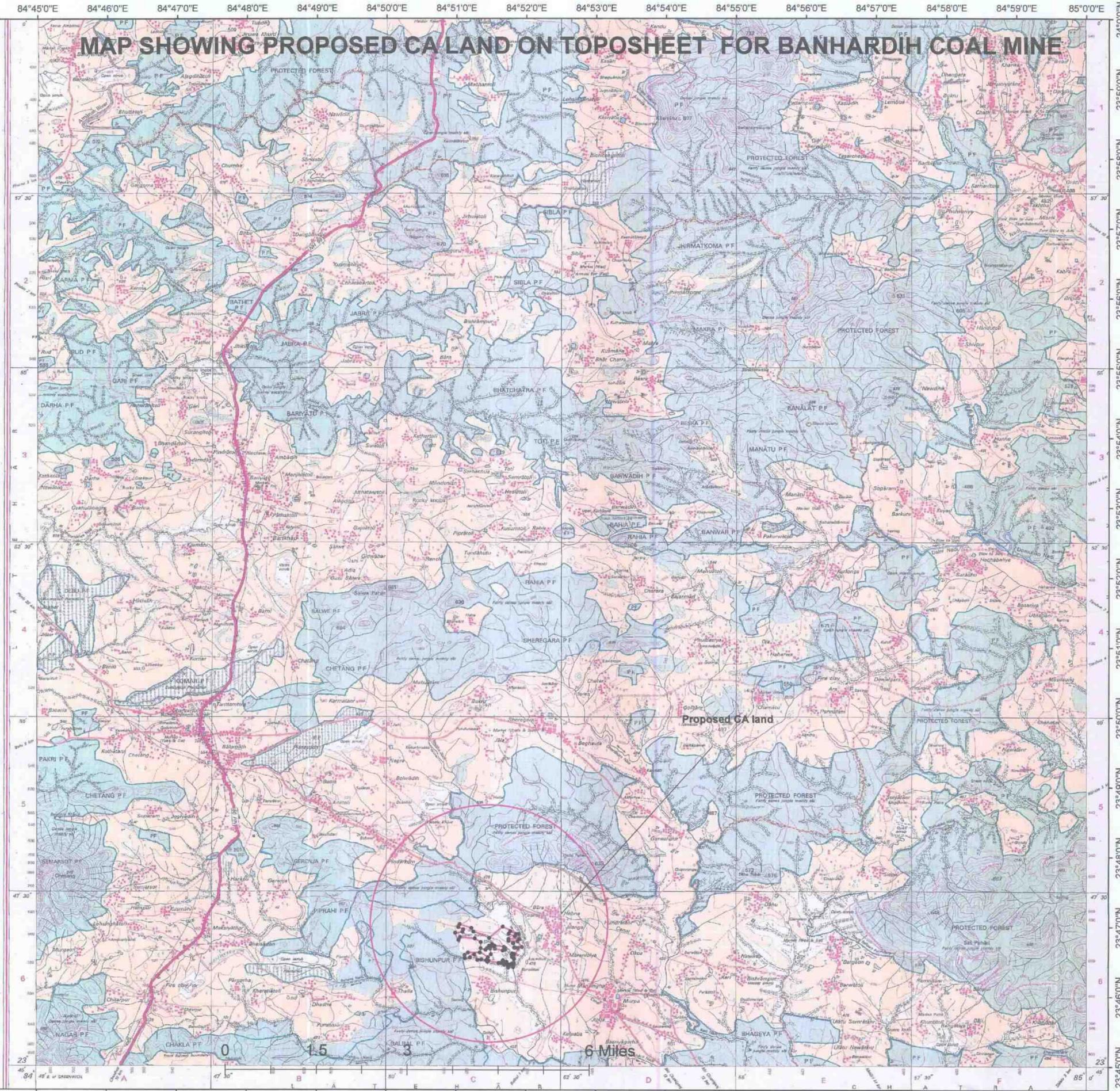
**NOTES**

**COMPILED INDEX**  
 A. Surveyed during 1976-79. Modified for major details during 2004-05.

Projection - UTM Datum - WGS 84  
 Magnetic Variation from True North about 1° West in 2005.  
 1:50,000  
 500 m = 1 cm  
 2 cm = 1 km

**Legend**  
 Geo Co-ordinate Point  
 Proposed CA land

WEBSITE - www.surveyofindia.gov.in



Village Name	Thana No
MARANGLOIYA	222
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	84.44

**GEO CO-ORDINATES POINTS OF PILLAR POINTS**

SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23°46' 32.750" N	84°51' 7.258" E	56	23°46' 35.732" N	84°51' 15.424" E
2	23°46' 35.324" N	84°51' 7.143" E	57	23°46' 35.308" N	84°51' 14.756" E
3	23°46' 35.019" N	84°51' 7.834" E	58	23°46' 35.251" N	84°51' 14.095" E
4	23°46' 37.472" N	84°51' 10.151" E	59	23°46' 35.658" N	84°51' 14.053" E
5	23°46' 37.518" N	84°51' 20.235" E	60	23°46' 34.794" N	84°51' 12.506" E
6	23°46' 36.332" N	84°51' 23.855" E	61	23°46' 33.149" N	84°51' 11.705" E
7	23°46' 33.453" N	84°51' 27.118" E	62	23°46' 32.350" N	84°51' 9.502" E
8	23°46' 36.103" N	84°51' 29.749" E	63	23°46' 42.081" N	84°51' 29.243" E
9	23°46' 40.965" N	84°51' 29.103" E	64	23°46' 43.151" N	84°51' 28.250" E
10	23°46' 41.325" N	84°51' 26.498" E	65	23°46' 44.530" N	84°51' 30.941" E
11	23°46' 39.961" N	84°51' 25.099" E	66	23°46' 43.173" N	84°51' 31.700" E
12	23°46' 41.086" N	84°51' 20.941" E	67	23°46' 40.754" N	84°51' 33.134" E
13	23°46' 46.468" N	84°51' 21.027" E	68	23°46' 42.529" N	84°51' 32.409" E
14	23°46' 49.498" N	84°51' 15.819" E	69	23°46' 43.219" N	84°51' 32.902" E
15	23°46' 50.765" N	84°51' 3.226" E	70	23°46' 43.034" N	84°51' 37.433" E
16	23°46' 48.064" N	84°51' 7.071" E	71	23°46' 42.256" N	84°51' 40.931" E
17	23°46' 50.943" N	84°51' 6.211" E	72	23°46' 41.159" N	84°51' 42.197" E
18	23°46' 54.930" N	84°50' 59.009" E	73	23°46' 39.838" N	84°51' 41.899" E
19	23°46' 55.065" N	84°51' 5.277" E	74	23°46' 39.262" N	84°51' 39.854" E
20	23°46' 57.297" N	84°51' 5.941" E	75	23°46' 53.603" N	84°51' 45.026" E
21	23°46' 59.173" N	84°51' 5.582" E	76	23°46' 55.829" N	84°51' 46.488" E
22	23°47' 1.716" N	84°51' 2.833" E	77	23°46' 53.283" N	84°51' 51.268" E
23	23°46' 58.453" N	84°51' 12.926" E	78	23°46' 51.412" N	84°51' 50.255" E
24	23°46' 55.439" N	84°51' 14.720" E	79	23°46' 45.410" N	84°51' 48.771" E
25	23°46' 53.115" N	84°51' 22.290" E	80	23°46' 45.718" N	84°51' 48.757" E
26	23°46' 50.030" N	84°51' 28.184" E	81	23°46' 45.635" N	84°51' 49.071" E
27	23°46' 59.604" N	84°51' 39.868" E	82	23°46' 45.369" N	84°51' 49.058" E
28	23°46' 53.411" N	84°51' 53.590" E	83	23°46' 41.957" N	84°51' 49.950" E
29	23°46' 53.250" N	84°51' 53.336" E	84	23°46' 41.793" N	84°51' 50.259" E
30	23°46' 49.044" N	84°51' 54.080" E	85	23°46' 41.514" N	84°51' 50.076" E
31	23°46' 49.109" N	84°51' 44.912" E	86	23°46' 41.601" N	84°51' 49.818" E
32	23°46' 47.380" N	84°51' 44.886" E	87	23°46' 36.714" N	84°51' 48.101" E
33	23°46' 47.223" N	84°51' 52.668" E	88	23°46' 36.342" N	84°51' 49.662" E
34	23°46' 42.231" N	84°51' 56.244" E	89	23°46' 35.473" N	84°51' 49.389" E
35	23°46' 41.399" N	84°51' 52.886" E	90	23°46' 35.797" N	84°51' 47.790" E
36	23°46' 32.116" N	84°51' 49.790" E	91	23°46' 34.200" N	84°51' 48.016" E
37	23°46' 32.172" N	84°51' 48.889" E	92	23°46' 33.064" N	84°51' 48.606" E
38	23°46' 30.742" N	84°51' 48.596" E	93	23°46' 33.561" N	84°51' 48.462" E
39	23°46' 30.568" N	84°51' 49.725" E	94	23°46' 33.775" N	84°51' 47.842" E
40	23°46' 28.551" N	84°51' 49.502" E	95	23°46' 28.446" N	84°51' 38.810" E
41	23°46' 28.013" N	84°51' 47.911" E	96	23°46' 29.836" N	84°51' 39.866" E
42	23°46' 27.166" N	84°51' 45.660" E	97	23°46' 28.530" N	84°51' 40.330" E
43	23°46' 29.028" N	84°51' 43.769" E	98	23°46' 27.713" N	84°51' 41.979" E
44	23°46' 29.295" N	84°51' 41.878" E	99	23°46' 28.476" N	84°51' 42.903" E
45	23°46' 30.890" N	84°51' 40.545" E	100	23°46' 27.129" N	84°51' 44.438" E
46	23°46' 28.690" N	84°51' 38.212" E	101	23°46' 26.901" N	84°51' 45.201" E
47	23°46' 28.399" N	84°51' 36.310" E	102	23°46' 26.294" N	84°51' 46.494" E
48	23°46' 29.597" N	84°51' 30.839" E	103	23°46' 26.829" N	84°51' 48.157" E
49	23°46' 30.459" N	84°51' 27.736" E	104	23°46' 27.568" N	84°51' 48.614" E
50	23°46' 29.673" N	84°51' 26.801" E	105	23°46' 27.465" N	84°51' 49.382" E
51	23°46' 30.801" N	84°51' 25.888" E	106	23°46' 24.797" N	84°51' 49.087" E
52	23°46' 31.710" N	84°51' 23.038" E	107	23°46' 24.603" N	84°51' 44.799" E
53	23°46' 31.008" N	84°51' 19.324" E	108	23°46' 25.997" N	84°51' 45.308" E
54	23°46' 31.103" N	84°51' 18.199" E	109	23°46' 26.523" N	84°51' 44.716" E
55	23°46' 35.522" N	84°51' 16.028" E	110	23°46' 26.990" N	84°51' 43.634" E
111	23°46' 27.013" N	84°51' 41.250" E			

**User Agency - Banhardih Coal mine, PVUNL**

Surveyed By	Project Proponent	Divisional Forest Officer, Latehar
	<i>SUBODH JOHN PURTI</i> Sr. Manager (Civil/Coal Mine) PATRATU VIDYUT UTPADAN NIGAM LTD (A Subsidiary of IITCL) Subsector-220119 Patratu, Dist.-Rangpur-729119	<i>Prawal</i> Divisional Forest Officer Latehar Forest Division

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 बाबूमाधु वन रे.







