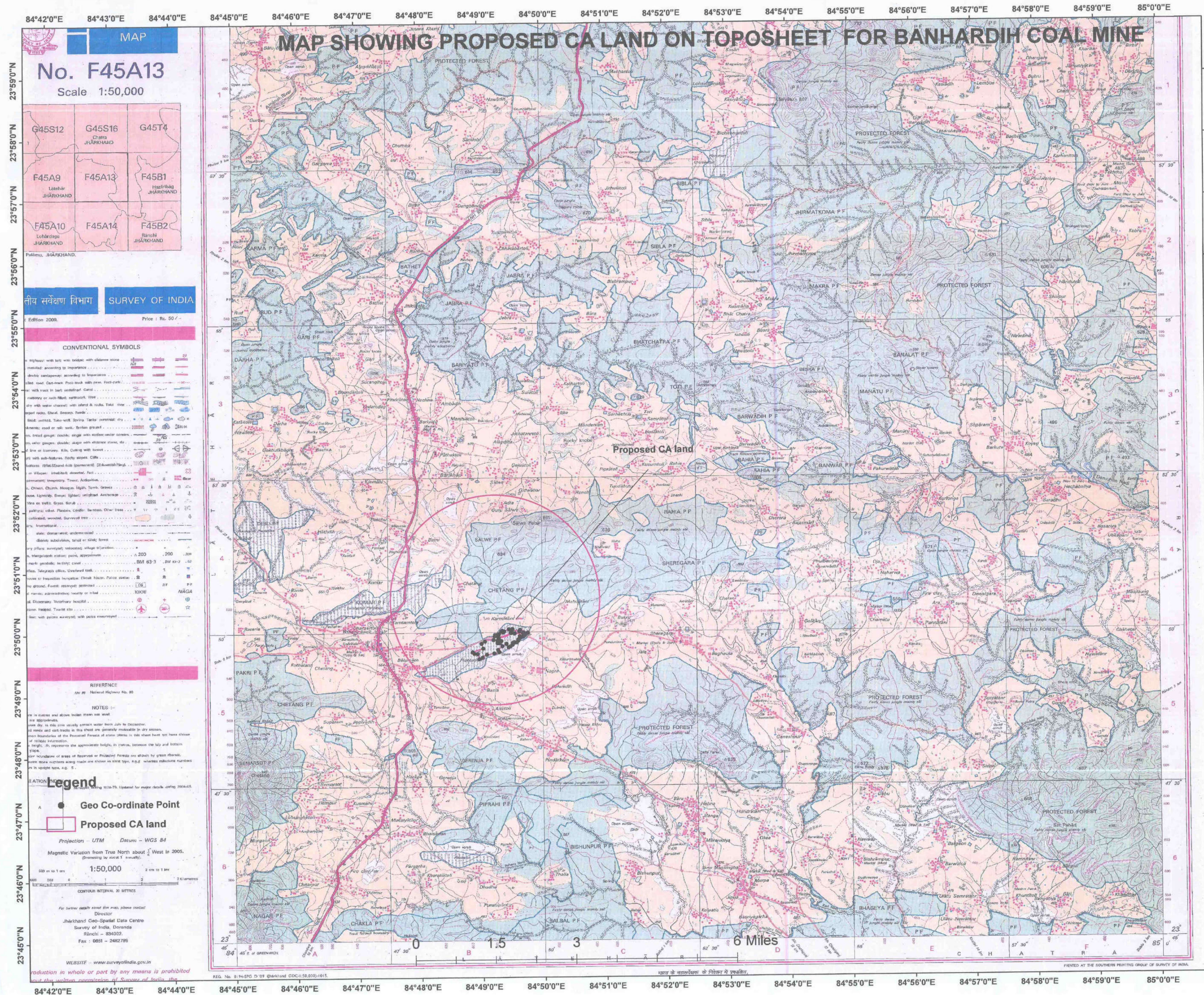
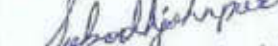
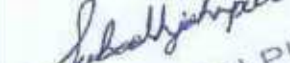




Village Name	Thana No
TASATWAR	70
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	48.45

GEO CO-ORDINATES POINTS OF PILLAR POINTS					
UTM- WG84					
SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23° 49' 33.995"N	84° 48' 58.584"E	51	23° 49' 39.659"N	84° 49' 13.017" E
2	23° 49' 38.807"N	84° 48' 57.166"E	52	23° 49' 38.920"N	84° 49' 10.867"E
3	23° 49' 39.647"N	84° 48' 55.609"E	53	23° 49' 35.248"N	84° 49' 10.346"E
4	23° 49' 39.451"N	84° 48' 53.451"E	54	23° 49' 38.618"N	84° 49' 8.829"E
5	23° 49' 40.853"N	84° 48' 52.109"E	55	23° 49' 38.414"N	84° 49' 5.955"E
6	23° 49' 42.823"N	84° 48' 57.735"E	56	23° 49' 36.802"N	84° 49' 2.238"E
7	23° 49' 44.467"N	84° 49' 2.394"E	57	23° 49' 35.619"N	84° 49' 1.828"E
8	23° 49' 49.014"N	84° 49' 0.749"E	58	23° 49' 35.106"N	84° 48' 59.568"E
9	23° 49' 50.538"N	84° 49' 1.462"E	59	23° 49' 40.430"N	84° 49' 16.161"E
10	23° 49' 51.701"N	84° 49' 3.960"E	60	23° 49' 49.675"N	84° 49' 10.136"E
11	23° 49' 52.143"N	84° 49' 3.760"E	61	23° 49' 50.166"N	84° 49' 17.064"E
12	23° 49' 52.757"N	84° 49' 5.241"E	62	23° 49' 50.998"N	84° 49' 16.381"E
13	23° 49' 52.516"N	84° 49' 12.339"E	63	23° 49' 50.988"N	84° 49' 16.243"E
14	23° 49' 52.917"N	84° 49' 13.945"E	64	23° 49' 53.413"N	84° 49' 16.498"E
15	23° 49' 52.489"N	84° 49' 15.893"E	65	23° 49' 53.386"N	84° 49' 16.776"E
16	23° 49' 51.678"N	84° 49' 16.409"E	66	23° 49' 53.198"N	84° 49' 16.759"E
17	23° 49' 51.647"N	84° 49' 19.864"E	67	23° 49' 53.073"N	84° 49' 16.548"E
18	23° 49' 54.275"N	84° 49' 17.302"E	68	23° 49' 50.914"N	84° 49' 16.580"E
19	23° 49' 56.181"N	84° 49' 24.049"E	69	23° 49' 50.356"N	84° 49' 18.764"E
20	23° 49' 57.562"N	84° 49' 27.446"E	70	23° 49' 49.395"N	84° 49' 18.475"E
21	23° 49' 58.788"N	84° 49' 28.603"E	71	23° 49' 49.599"N	84° 49' 17.324"E
22	23° 49' 59.145"N	84° 49' 30.364"E	72	23° 49' 54.586"N	84° 49' 17.125"E
23	23° 49' 58.541"N	84° 49' 32.842"E	73	23° 49' 56.054"N	84° 49' 13.447"E
24	23° 49' 58.988"N	84° 49' 40.871"E	74	23° 49' 57.463"N	84° 49' 13.802"E
25	23° 49' 57.709"N	84° 49' 43.079"E	75	23° 49' 57.262"N	84° 49' 15.405"E
26	23° 49' 55.620"N	84° 49' 41.299"E	76	23° 49' 56.885"N	84° 49' 15.514"E
27	23° 49' 56.113"N	84° 49' 39.044"E	77	23° 49' 57.029"N	84° 49' 16.913"E
28	23° 49' 56.089"N	84° 49' 37.825"E	78	23° 49' 55.924"N	84° 49' 17.323"E
29	23° 49' 54.444"N	84° 49' 38.394"E	79	23° 49' 58.347"N	84° 49' 18.842"E
30	23° 49' 53.222"N	84° 49' 37.222"E	80	23° 49' 59.828"N	84° 49' 21.778"E
31	23° 49' 52.782"N	84° 49' 36.195"E	81	23° 50' 0.748"N	84° 49' 19.072"E
32	23° 49' 52.674"N	84° 49' 36.622"E	82	23° 50' 1.547"N	84° 49' 20.730"E
33	23° 49' 50.081"N	84° 49' 34.839"E	83	23° 50' 0.619"N	84° 49' 22.944"E
34	23° 49' 50.250"N	84° 49' 32.768"E	84	23° 50' 1.654"N	84° 49' 24.195"E
35	23° 49' 49.670"N	84° 49' 31.222"E	85	23° 50' 2.793"N	84° 49' 27.116"E
36	23° 49' 47.747"N	84° 49' 30.909"E	86	23° 50' 3.159"N	84° 49' 30.765"E
37	23° 49' 46.701"N	84° 49' 30.555"E	87	23° 50' 2.325"N	84° 49' 30.592"E
38	23° 49' 46.562"N	84° 49' 29.203"E	88	23° 50' 0.748"N	84° 49' 37.478"E
39	23° 49' 46.077"N	84° 49' 28.665"E	89	23° 50' 2.233"N	84° 49' 38.140"E
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41	23° 49' 45.678"N	84° 49' 28.001"E	91	23° 49' 59.555"E	84° 49' 45.622"E
42	23° 49' 45.455"N	84° 49' 27.532"E	92	23° 49' 58.498"N	84° 49' 43.025"E
43	23° 49' 45.611"N	84° 49' 27.301"E	93	23° 49' 59.490"N	84° 49' 41.490"E
44	23° 49' 45.347"N	84° 49' 27.036"E	94	23° 49' 58.015"N	84° 49' 33.348"E
45	23° 49' 48.742"E	84° 49' 26.036"E	95	23° 49' 59.557"N	84° 49' 30.504"E
46	23° 49' 46.546"E	84° 49' 20.841"E	96	23° 49' 59.471"N	84° 49' 29.120"E
47	23° 49' 42.808"E	84° 49' 16.702"E	97	23° 49' 58.470"N	84° 49' 27.703"E
48	23° 49' 42.890"E	84° 49' 17.805"E	98	23° 49' 56.191"N	84° 49' 22.780"E
49	23° 49' 40.740"N	84° 49' 17.415"E			
50	23° 49' 39.507"N	84° 49' 14.511"E			

User Agency- Banhardih Coal mine, PVUNL		
Surveyed By	Project Proponent	Divisional Forest Officer, Latehar
	 SUBODH JOHN PURTI S- Manager (CWS/Coal Mine) PATRATO VIDYUT UPTAN W&M LTO. A Subsidiary of PCL (a public limited company) Patna, Dist.-Rangbar-822119	 Praveesh Kumar I.F.S. Divisional Forest Officer Latehar Forest Division

Surveyed By	Project Proponent	Divisional Forest Officer, Latehar
	 SUBODH JOHN PURTI Sr. Manager (Civil/Coal Mine) PATRAJU VIJAY UTPADAN NIGAM LTD. (A Subsidiary of IITPC Ltd. in Joint Venture with IWHI) Patraju, Dist. Raigarh-824119	 Praveen Prasad I.F.S. Divisional Forest Officer Latehar Forest Division

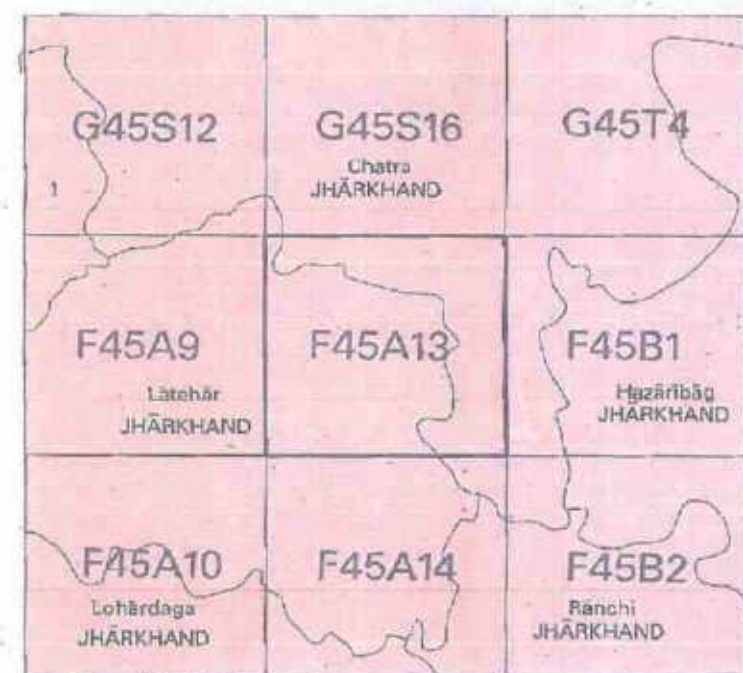
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CONVENTIONAL SYMBOLS



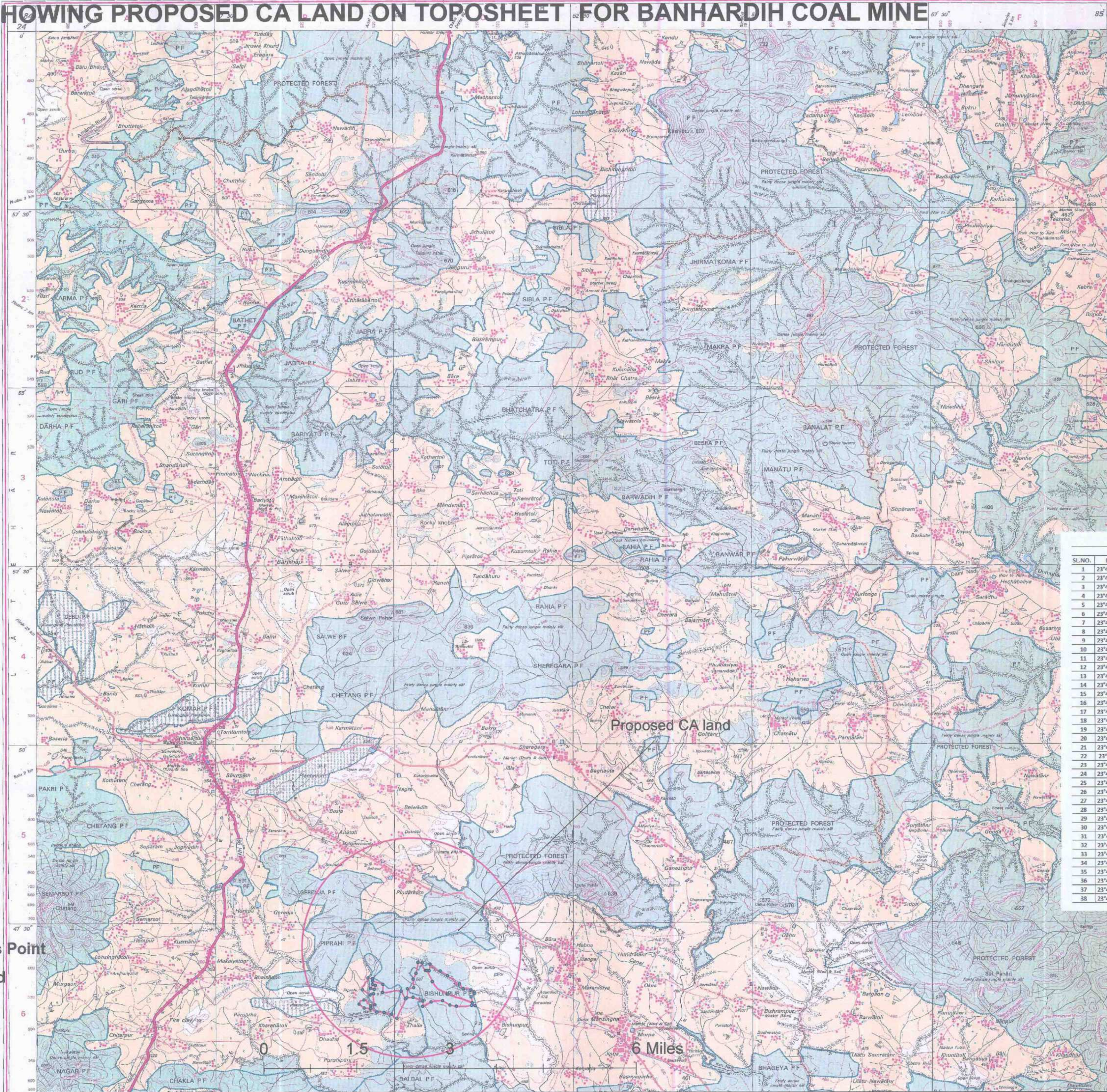
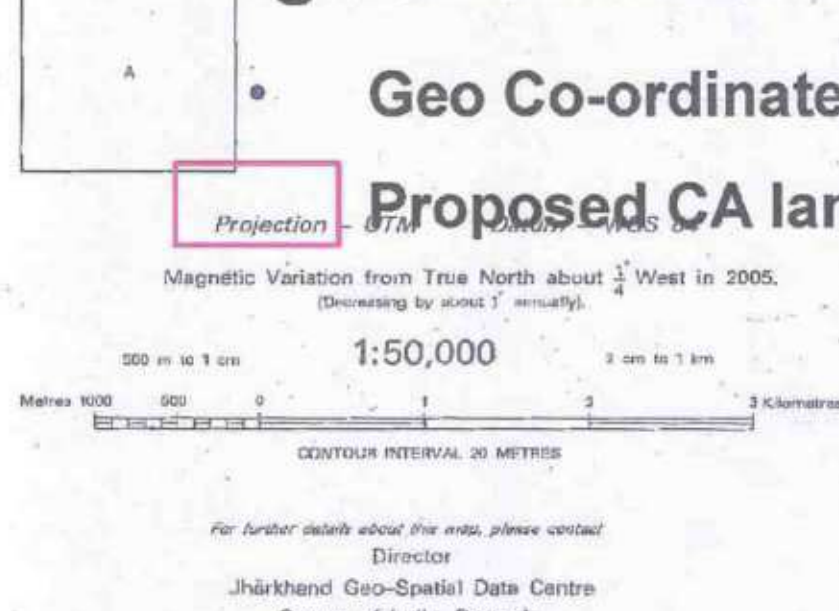
REFERENCE

NW 95 Reduced Highway No. 99

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Trials shown by a line usually contain water from July to October.
Unsettled routes and connections in this sheet are generally made 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, 'R', represents the approximate height, in metres, between the top and bottom of a hill.
The approximate boundaries of areas of Reserved or Protected Forests are shown by green lines.
The village names shown along roads are shown in blue type, e.g. 'whereas' indicates a village is on the right hand side of the road.
For further details about this map, please contact:
Director
Jharkhand Geo-Spatial Data Centre
Survey of India, Doodhgaon
Ranchi - 834005

Legend



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

GEO CO-ORDINATES POINTS OF PILLAR POINTS							
UTM - WGS84							
SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE
1	23°46' 23.199" N	84°49' 42.179" E	39	23°46' 37.593" N	84°49' 43.622" E	77	23°46' 54.827" N
2	23°46' 28.017" N	84°49' 41.572" E	40	23°46' 34.132" N	84°49' 42.614" E	78	23°46' 53.318" N
3	23°46' 30.556" N	84°49' 42.052" E	41	23°46' 34.971" N	84°49' 39.901" E	79	23°46' 52.326" N
4	23°46' 31.044" N	84°49' 40.149" E	42	23°46' 37.318" N	84°50' 10.069" E	80	23°46' 49.499" N
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' 49.586" N
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
7	23°46' 36.119" N	84°49' 32.527" E	45	23°46' 42.687" N	84°50' 15.189" E	83	23°46' 46.203" N
8	23°46' 37.655" N	84°49' 34.170" E	46	23°46' 47.731" N	84°50' 17.698" E	84	23°46' 44.745" N
9	23°46' 40.279" N	84°49' 35.117" E	47	23°46' 56.903" N	84°50' 19.422" E	85	23°46' 43.999" N
10	23°46' 41.951" N	84°49' 37.285" E	48	23°46' 56.130" N	84°50' 22.883" E	86	23°46' 42.517" N
11	23°46' 43.729" N	84°49' 37.772" E	49	23°46' 52.278" N	84°50' 23.554" E	87	23°46' 41.561" N
12	23°46' 43.211" N	84°49' 41.241" E	50	23°46' 49.815" N	84°50' 25.632" E	88	23°46' 40.157" N
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
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
15	23°46' 31.657" N	84°49' 49.654" E	53	23°46' 41.084" N	84°50' 31.351" E	91	23°46' 38.188" N
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
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
18	23°46' 32.789" N	84°50' 5.155" E	56	23°46' 30.172" N	84°50' 44.285" E	94	23°46' 34.707" N
19	23°46' 26.219" N	84°50' 6.834" E	57	23°46' 28.263" N	84°50' 48.958" E	95	23°46' 34.409" N
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
21	23°46' 11.625" N	84°50' 2.118" E	59	23°46' 24.538" N	84°51' 0.319" E	97	23°46' 35.041" N
22	23°46' 9.847" N	84°50' 1.609" E	60	23°46' 22.729" N	84°51' 4.974" E	98	23°46' 33.814" N
23	23°46' 10.654" N	84°49' 59.004" E	61	23°46' 20.371" N	84°51' 7.335" E	99	23°46' 33.423" N
24	23°46' 11.757" N	84°49' 58.520" E	62	23°46' 20.648" N	84°51' 4.298" E	100	23°46' 33.703" N
25	23°46' 13.435" N	84°49' 57.092" E	63	23°46' 20.033" N	84°50' 58.694" E	101	23°46' 31.993" N
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' 32.008" N
27	23°46' 15.085" N	84°49' 44.101" E	65	23°46' 20.891" N	84°50' 46.279" E	103	23°46' 30.544" N
28	23°46' 15.505" N	84°49' 39.537" E	66	23°46' 24.690" N	84°50' 40.023" E	104	23°46' 27.960" N
29	23°46' 18.463" N	84°49' 34.182" E	67	23°46' 24.074" N	84°50' 32.828" E	105	23°46' 22.973" N
30	23°46' 21.894" N	84°49' 29.848" E	68	23°46' 23.523" N	84°50' 30.527" E	106	23°46' 25.205" N
31	23°46' 24.588" N	84°49' 30.712" E	69	23°46' 22.237" N	84°50' 27.853" E	107	23°46' 26.521" N
32	23°46' 25.224" N	84°49' 34.165" E	70	23°46' 19.712" N	84°50' 23.983" E	108	23°46' 28.133" N
33	23°46' 25.015" N	84°49' 35.866" E	71	23°46' 19.868" N	84°50' 23.252" E	109	23°46' 32.999" N
34	23°46' 22.677" N	84°49' 36.639" E	72	23°46' 24.413" N	84°50' 23.396" E	110	23°46' 34.509" N
35	23°46' 22.242" N	84°49' 37.585" E	73	23°46' 27.515" N	84°50' 15.310" E	111	23°46' 40.694" N
36	23°46' 20.314" N	84°49' 39.624" E	74	23°46' 49.881" N	84°50' 26.913" E	112	23°46' 41.112" N
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
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



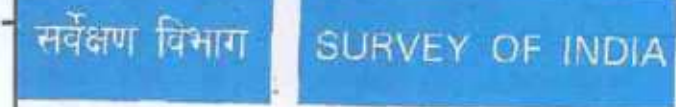
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वन क्षेत्र पदाधिकारी
बाबूमथ वन क्षेत्र

User Agency- Banhardih Coal mine, PVUNL		
Surveyed By	Project Proponent	Divisional Forest Officer, Latehar
SUBODH JOHN PURI Sr. Manager (Civil/Coal Mine) PATRATU VIJAY UPADAN NIGAM LTD. Jharkhand Engineering College, Ranchi-834005		
Preshwar Prasad I.P.S. Divisional Forest Officer Latehar Forest Division		

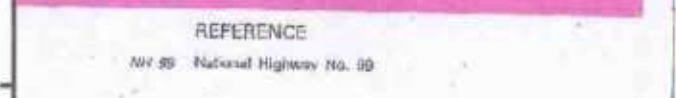


Scale 1:50,000



on 2009. Price : Rs. 50 / -

CONVENTIONAL SYMBOLS



NOTES :-

is anal above Indian means sea level.

this area usually contain water from July to December.
d carib-tracts in this short are generally multitrack in dry season.

Some of the Protected Forests at some places in this sheet have not been shown information.

represents the approximate height, in meters, between the top and bottom

Free of areas of Interest or Protected Forests are shown by green ribands.
numbers along roads are shown in slant type, 8.0/5, whereas collection numbers

1990, c.g. 5.

INDEX

A. Surveyed during 1974-79. Updated for major details during 2004-05.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{4}^{\circ}$ West in 2005.
(Decreasing by about 1° annually)

1:50,000

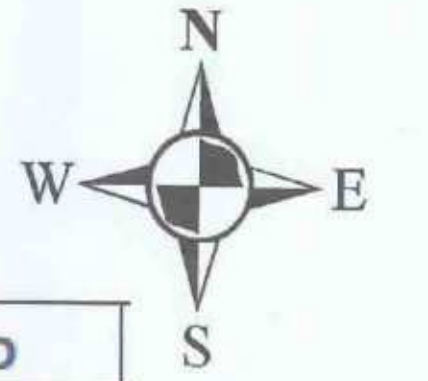
Geo Co-ordinate

Proposed C.A. la

For further details about this event, please contact:

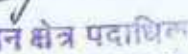
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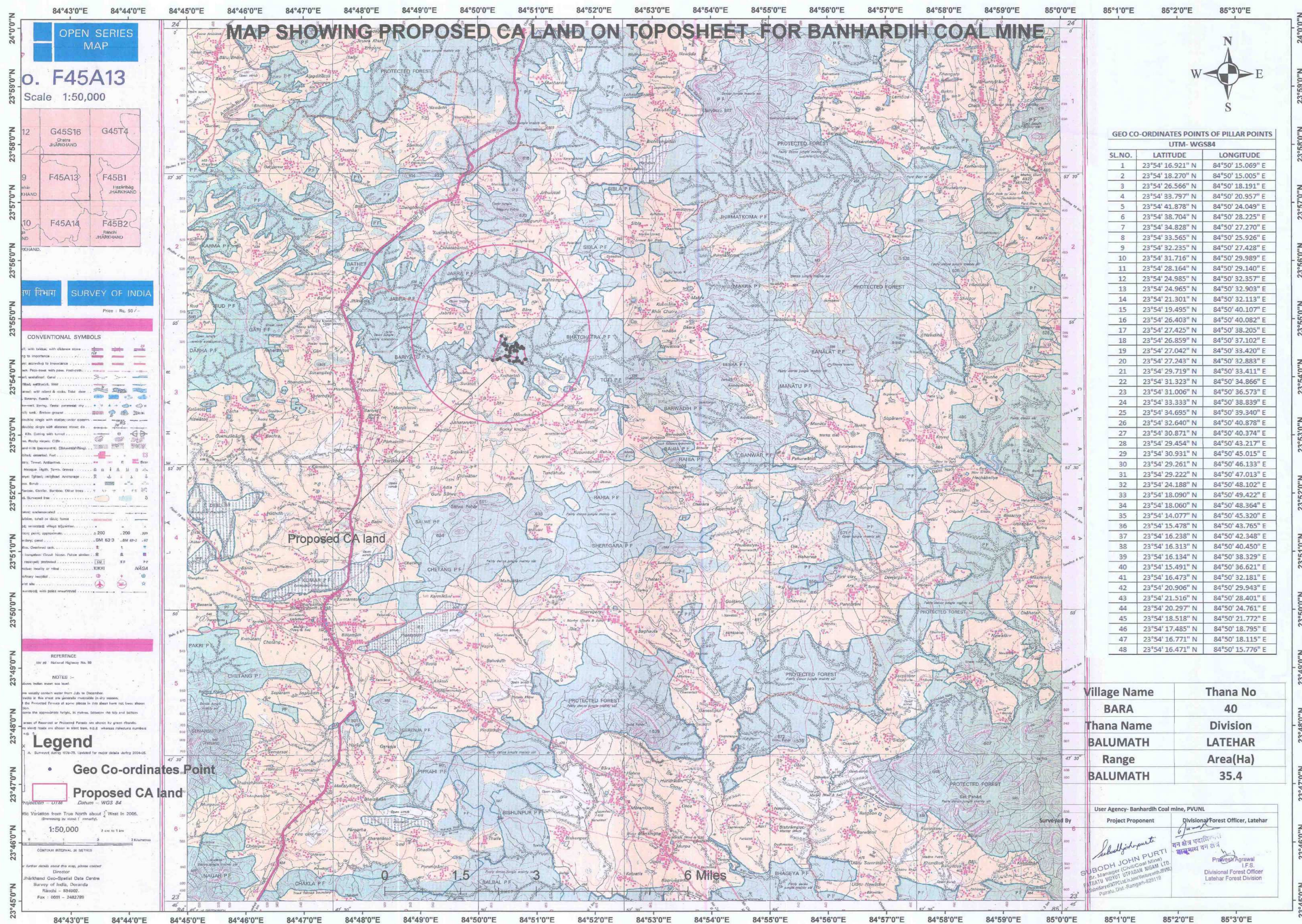
84°42'30"E 84°43'30"E 84°44'30"E



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

GEO CO-ORDINATES POINTS OF PILLAR POINTS					
UTM- WGS84					
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' 39.959" 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' 22.682" 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' 26.566" 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' 46.068" 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' 30.604" 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' 36.743" N	84° 48' 3.200" E	90	23° 54' 18.905" N	84° 48' 50.453" E
15	23° 54' 36.035" N	84° 48' 2.910" E	91	23° 54' 18.103" N	84° 48' 50.131" E
16	23° 54' 33.260" N	84° 48' 15.513" E	92	23° 54' 17.400" N	84° 48' 46.980" E
17	23° 54' 44.941" N	84° 48' 15.092" E	93	23° 54' 19.008" N	84° 48' 45.608" E
18	23° 54' 55.310" N	84° 48' 15.823" E	94	23° 54' 18.809" N	84° 48' 44.005" 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' 17.065" 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' 4.660" 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' 54.791" N	84° 48' 36.486" E	112	23° 54' 16.262" N	84° 48' 44.363" E
37	23° 54' 52.441" N	84° 48' 35.996" E	113	23° 54' 18.811" 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

User Agency- Banharidih Coal mine, PVUNL		
Surveyed By	Project Proponent	Divisional Forest Officer, Latehar
	 SUBODH JOHN PURTI Sr. Manager (Civil/Coal Mine) PATRATU VIDYUT UTPADAN WIGAM LTD. A Subsidiary of NPCIL Ltd. (a Joint Venture with JVVNL) Patna, Dist.-Rangbari-822119	 मन क्षेत्र पदाधिकारी बाबुसाथ वन क्षेत्र Praveen Agrawal I.F.S. 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
Scale 1:50,000

45S12 G45S16 G45T4

45A9 F45A13 F45B1

45A10 F45A14 F45B2

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Price : Rs. 50/-

CONVENTIONAL SYMBOLS

REFERENCE

NOTES :-

Legend

● Geo Co-ordinate Point

□ Proposed CA land

Projection - UTM Datum - WGS 84

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

1:50,000

For further details about this map, please contact

Jharkhand Geo-Spatial Data Centre

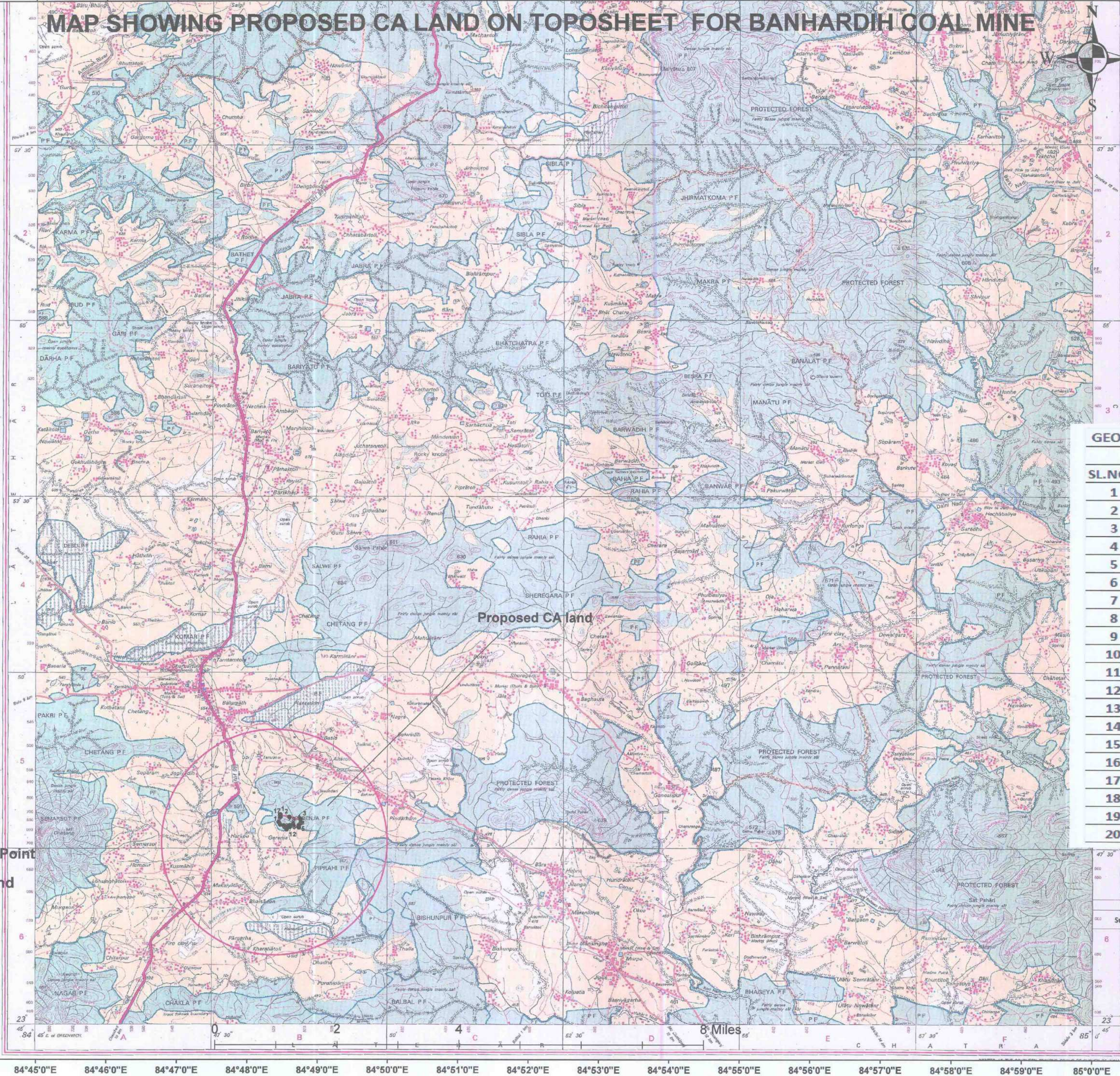
Survey of India, Dardana

Ranchi - 834002

Fax : 0661 - 2432789

WEBSITE : www.surveyofindia.gov.in

Information in whole or part by any means is prohibited



Village Name
GERENJA

Thana No
214

Thana Name
BALUMATH

Division
LATEHAR

Range
BALUMATH

Area(Ha)
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

Subodh John Parti

Subodh John Parti

Sr. Manager (CWC/Coal Mine)

PATRA UVIDOT UTPADAN NIGAM LTD

IA Subodh John Parti to Joint Venture with JVVNL

Parallels Dist. Rangam-834119

User Agency- Banhardih Coal mine, PVUNL

Surveyed By

Project Proponent

Divisional Forest Officer, Latehar

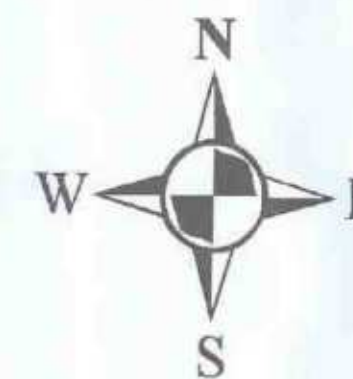
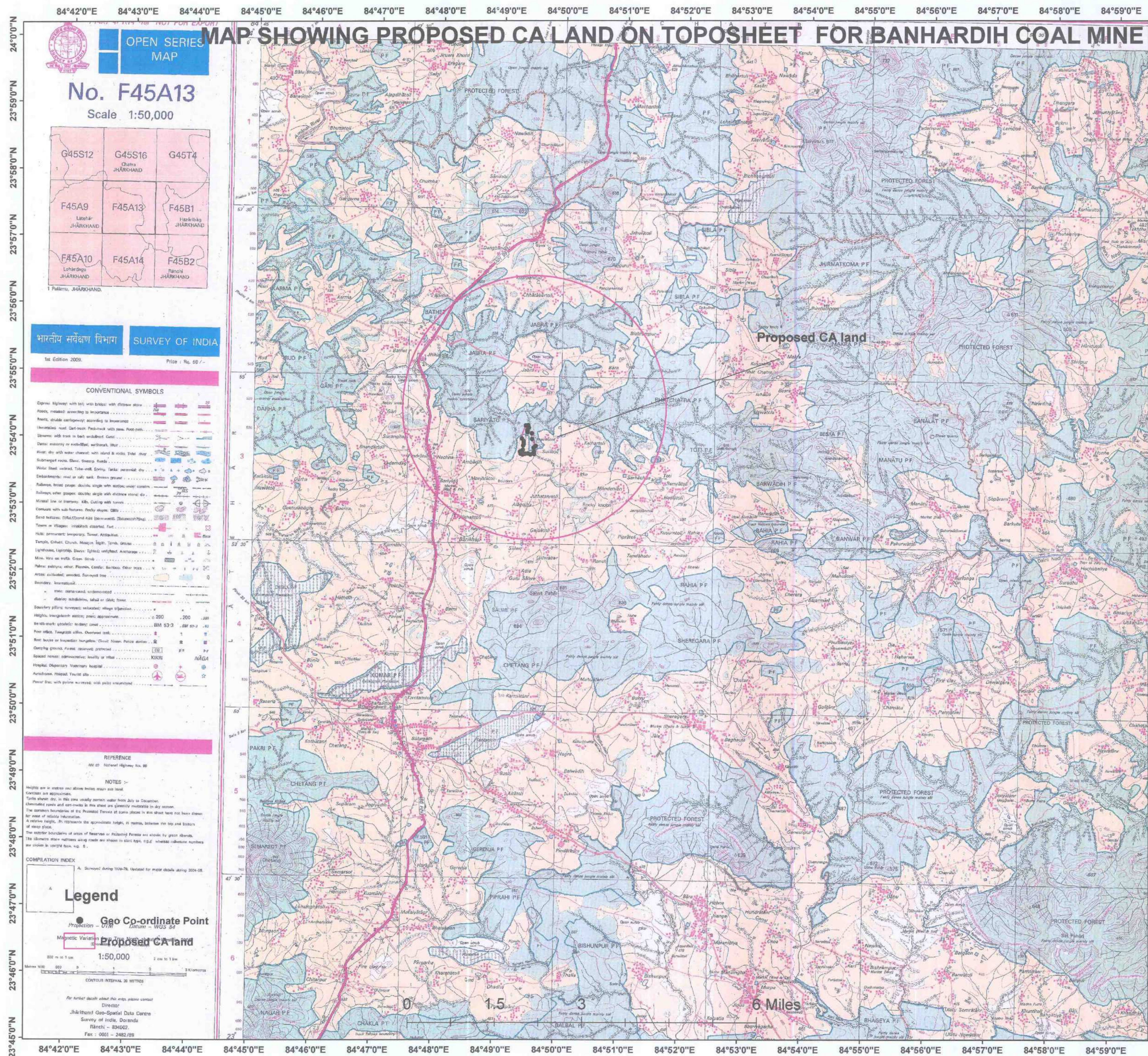
Prawesh Prasad

I.F.S.

Divisional Forest Officer

Latehar Forest Division

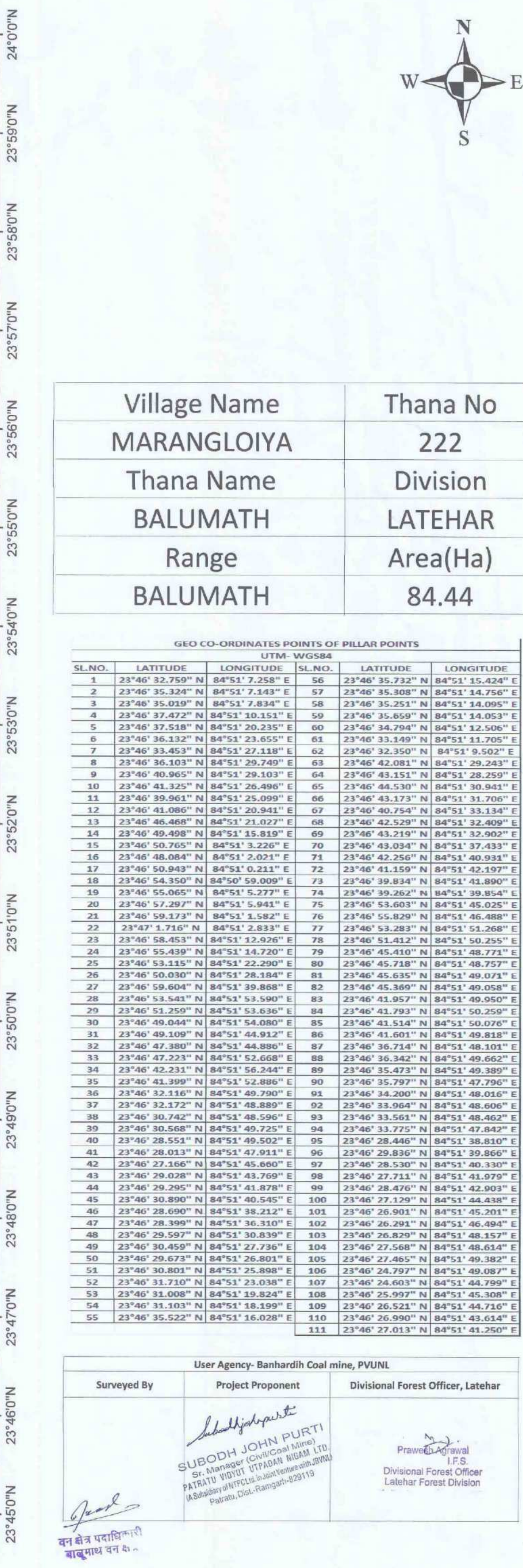
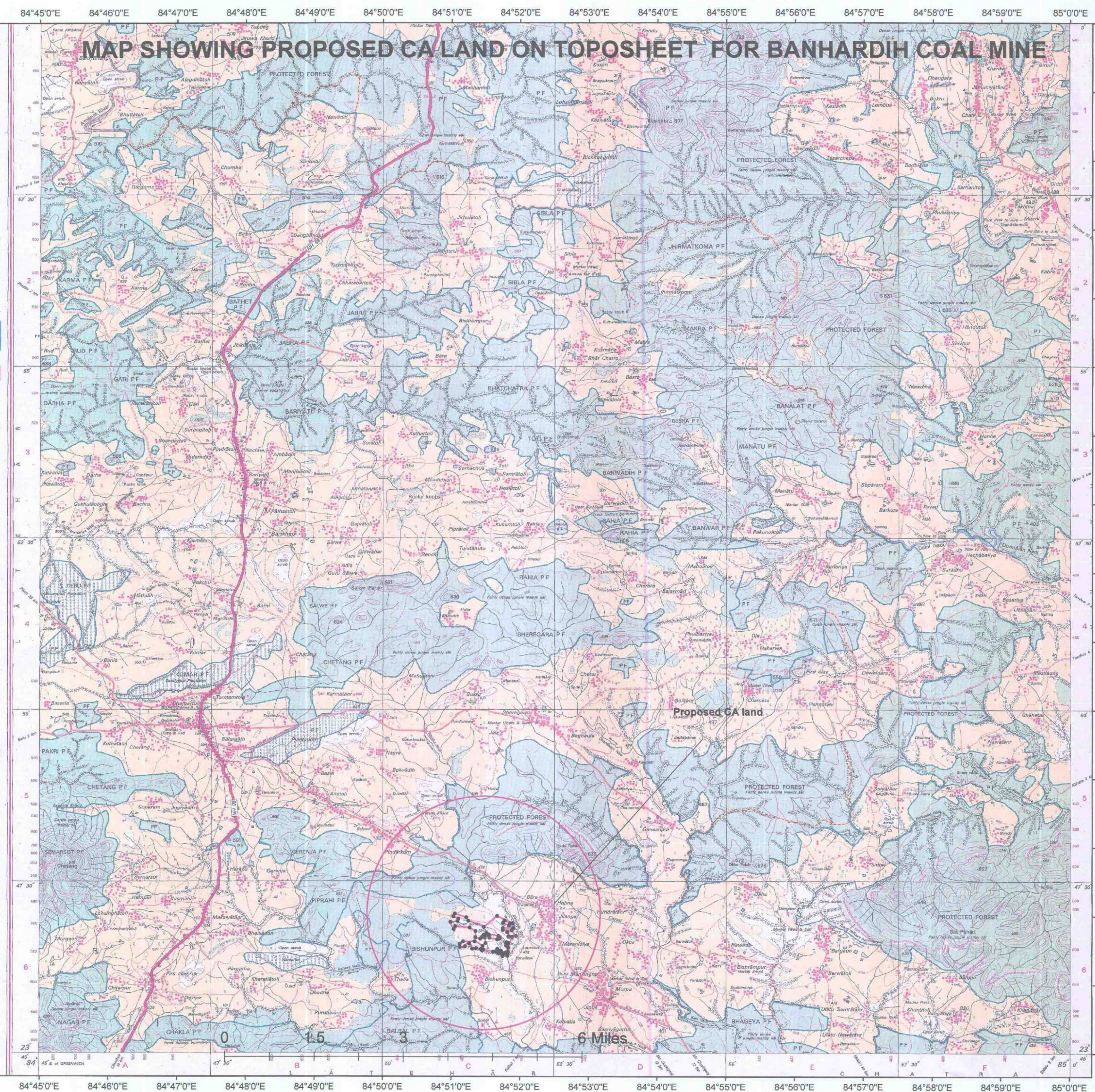
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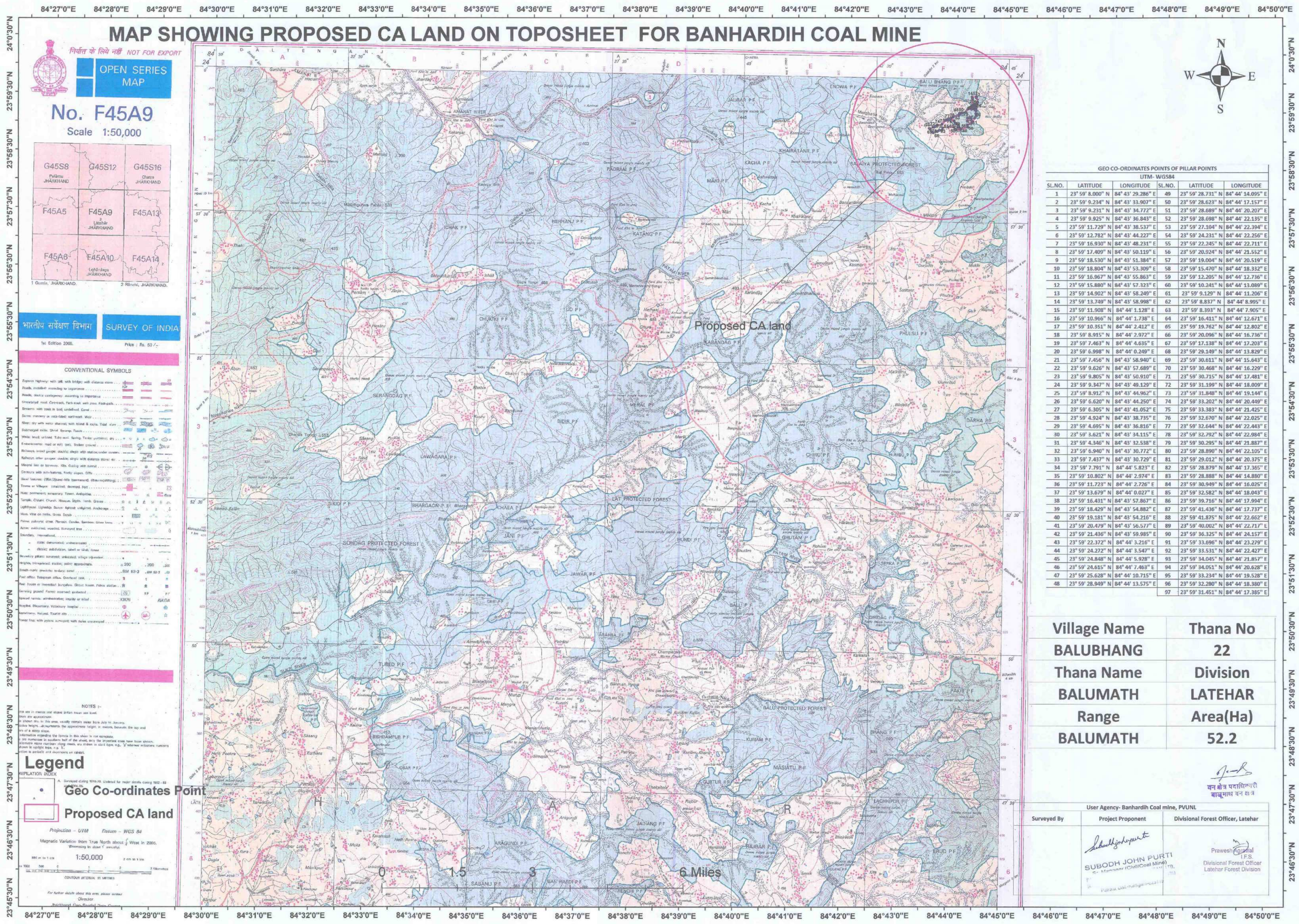


Village Name	Thana No
JABRA	35
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
BALUMATH	19.43

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 PURI Sr. Manager (Civil/Coal Mine) PATRATU VIDYUT UTPADAN NIGAM LTD. (A Subsidiary of Patratu in Joint Venture with JPMCL) Patratu, Dist. Rampurhat-829119	 P. S. Prasad Divisional Forest Officer Latehar Forest Division







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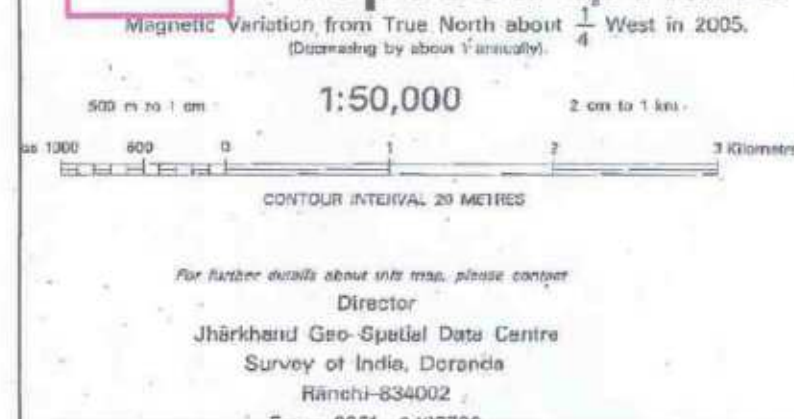
REFERENCES

Notes regarding map accuracy and scale.

Legend

Geo Co-ordinates Point

Proposed CA land



MAP SHOWING PROPOSED CA LAND ON TOPOSHEET FOR BANHARDIH COAL MINE



Village Name	Thana No
BHAGEA	231
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
CHANDWA	62.1

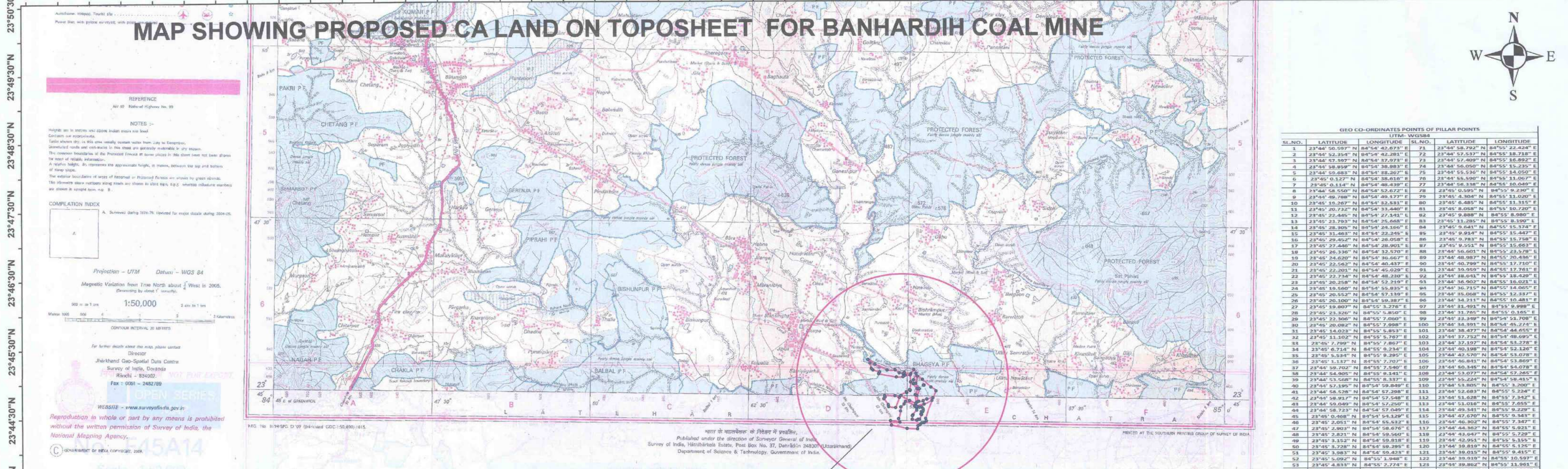
GEO CO-ORDINATES POINTS OF PILLAR POINTS

UTM- WGS84					
SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23° 44' 6.818" N	84° 55' 38.295" E	26	23° 42' 27.579" N	84° 56' 54.303" E
2	23° 44' 8.289" N	84° 55' 40.263" E	27	23° 42' 28.364" N	84° 56' 59.709" E
3	23° 44' 7.966" N	84° 55' 41.365" E	28	23° 42' 32.402" N	84° 56' 59.813" E
4	23° 44' 8.688" N	84° 55' 42.490" E	29	23° 42' 35.098" N	84° 56' 56.055" E
5	23° 44' 10.240" N	84° 55' 41.853" E	30	23° 42' 39.810" N	84° 56' 54.801" E
6	23° 44' 10.672" N	84° 55' 42.096" E	31	23° 42' 40.257" N	84° 56' 57.480" E
7	23° 44' 10.942" N	84° 55' 43.059" E	32	23° 42' 44.605" N	84° 57' 4.761" E
8	23° 44' 12.716" N	84° 55' 44.019" E	33	23° 42' 46.793" N	84° 57' 4.334" E
9	23° 44' 12.280" N	84° 55' 44.686" E	34	23° 42' 47.210" N	84° 57' 5.925" E
10	23° 44' 12.266" N	84° 55' 47.757" E	35	23° 42' 53.095" N	84° 57' 9.901" E
11	23° 44' 8.307" N	84° 55' 53.252" E	36	23° 42' 47.520" N	84° 57' 10.732" E
12	23° 44' 5.920" N	84° 55' 49.624" E	37	23° 42' 46.793" N	84° 57' 14.819" E
13	23° 44' 4.538" N	84° 55' 49.556" E	38	23° 42' 51.104" N	84° 57' 15.646" E
14	23° 44' 2.410" N	84° 55' 47.966" E	39	23° 42' 54.529" N	84° 57' 13.984" E
15	23° 44' 1.531" N	84° 55' 54.676" E	40	23° 42' 53.351" N	84° 57' 17.549" E
16	23° 43' 56.159" N	84° 55' 55.197" E	41	23° 42' 51.130" N	84° 57' 20.038" E
17	23° 43' 56.025" N	84° 55' 53.922" E	42	23° 42' 48.549" N	84° 57' 21.898" E
18	23° 43' 52.135" N	84° 55' 53.363" E	43	23° 42' 46.768" N	84° 57' 20.405" E
19	23° 43' 55.858" N	84° 55' 50.956" E	44	23° 42' 41.525" N	84° 57' 22.041" E
20	23° 43' 57.621" N	84° 55' 44.702" E	45	23° 42' 37.216" N	84° 57' 21.529" E
21	23° 43' 59.645" N	84° 55' 42.794" E	46	23° 42' 28.057" N	84° 57' 17.841" E
22	23° 44' 6.154" N	84° 55' 40.089" E	47	23° 42' 25.276" N	84° 57' 17.941" E
23	23° 42' 24.890" N	84° 57' 3.622" E	48	23° 42' 20.846" N	84° 57' 16.365" E
24	23° 42' 23.451" N	84° 56' 59.735" E	49	23° 42' 24.416" N	84° 57' 12.434" E
25	23° 42' 22.942" N	84° 56' 56.316" E			

Signature of Subodh John Puri

User Agency- Banhardih Coal mine, PVNL
Project Proponent
Divisional Forest Officer, Latehar
Subodh JOHN PURI
Manager (Civil/Coal Mine)
PANCHU VIDYUT UTPADAN NIGAM LTD.
Pravesh Agrawal
I.F.S.
Divisional Forest Officer
Latehar Forest Division

MAP SHOWING PROPOSED CA LAND ON TOPOSHEET FOR BANHARDIH COAL MINE



GEO CO-ORDINATES POINTS OF PILLAR POINTS					
UTM - WGS84					
SL.NO.	LATITUDE	LONGITUDE	SL.NO.	LATITUDE	LONGITUDE
1	23°44'56.599"N	84°54'42.283"E	71	23°44'58.792"N	84°55'22.448"E
2	23°44'54.597"N	84°54'42.283"E	72	23°44'57.537"N	84°55'18.718"E
3	23°44'57.597"N	84°54'47.973"E	73	23°44'57.409"N	84°55'16.892"E
4	23°44'58.899"N	84°54'48.883"E	74	23°44'56.883"N	84°55'16.892"E
5	23°44'59.683"N	84°54'48.883"E	75	23°44'55.536"N	84°55'14.050"E
6	23°44'59.683"N	84°54'48.883"E	76	23°44'55.536"N	84°55'14.050"E
7	23°44'59.683"N	84°54'48.883"E	77	23°44'56.338"N	84°55'10.049"E
8	23°44'58.514"N	84°54'52.672"E	78	23°44'55.955"N	84°55'09.297"E
9	23°44'59.683"N	84°54'48.883"E	79	23°44'55.536"N	84°55'14.050"E
10	23°44'59.683"N	84°54'48.883"E	80	23°44'55.536"N	84°55'14.050"E
11	23°44'59.683"N	84°54'48.883"E	81	23°44'55.536"N	84°55'14.050"E
12	23°44'59.683"N	84°54'48.883"E	82	23°44'55.536"N	84°55'14.050"E
13	23°44'59.683"N	84°54'48.883"E	83	23°44'55.536"N	84°55'14.050"E
14	23°44'59.683"N	84°54'48.883"E	84	23°44'55.536"N	84°55'14.050"E
15	23°44'59.683"N	84°54'48.883"E	85	23°44'55.536"N	84°55'14.050"E
16	23°44'59.683"N	84°54'48.883"E	86	23°44'55.536"N	84°55'14.050"E
17	23°44'59.683"N	84°54'48.883"E	87	23°44'55.536"N	84°55'14.050"E
18	23°44'59.683"N	84°54'48.883"E	88	23°44'55.536"N	84°55'14.050"E
19	23°44'59.683"N	84°54'48.883"E	89	23°44'55.536"N	84°55'14.050"E
20	23°44'59.683"N	84°54'48.883"E	90	23°44'55.536"N	84°55'14.050"E
21	23°44'59.683"N	84°54'48.883"E	91	23°44'55.536"N	84°55'14.050"E
22	23°44'59.683"N	84°54'48.883"E	92	23°44'55.536"N	84°55'14.050"E
23	23°44'59.683"N	84°54'48.883"E	93	23°44'55.536"N	84°55'14.050"E
24	23°44'59.683"N	84°54'48.883"E	94	23°44'55.536"N	84°55'14.050"E
25	23°44'59.683"N	84°54'48.883"E	95	23°44'55.536"N	84°55'14.050"E
26	23°44'59.683"N	84°54'48.883"E	96	23°44'55.536"N	84°55'14.050"E
27	23°44'59.683"N	84°54'48.883"E	97	23°44'55.536"N	84°55'14.050"E
28	23°44'59.683"N	84°54'48.883"E	98	23°44'55.536"N	84°55'14.050"E
29	23°44'59.683"N	84°54'48.883"E	99	23°44'55.536"N	84°55'14.050"E
30	23°44'59.683"N	84°54'48.883"E	100	23°44'55.536"N	84°55'14.050"E
31	23°44'59.683"N	84°54'48.883"E	101	23°44'55.536"N	84°55'14.050"E
32	23°44'59.683"N	84°54'48.883"E	102	23°44'55.536"N	84°55'14.050"E
33	23°44'59.683"N	84°54'48.883"E	103	23°44'55.536"N	84°55'14.050"E
34	23°44'59.683"N	84°54'48.883"E	104	23°44'55.536"N	84°55'14.050"E
35	23°44'59.683"N	84°54'48.883"E	105	23°44'55.536"N	84°55'14.050"E
36	23°44'59.683"N	84°54'48.883"E	106	23°44'55.536"N	84°55'14.050"E
37	23°44'59.683"N	84°54'48.883"E	107	23°44'55.536"N	84°55'14.050"E
38	23°44'59.683"N	84°54'48.883"E	108	23°44'55.536"N	84°55'14.050"E
39	23°44'59.683"N	84°54'48.883"E	109	23°44'55.536"N	84°55'14.050"E
40	23°44'59.683"N	84°54'48.883"E	110	23°44'55.536"N	84°55'14.050"E
41	23°44'59.683"N	84°54'48.883"E	111	23°44'55.536"N	84°55'14.050"E
42	23°44'59.683"N	84°54'48.883"E	112	23°44'55.536"N	84°55'14.050"E
43	23°44'59.683"N	84°54'48.883"E	113	23°44'55.536"N	84°55'14.050"E
44	23°44'59.683"N	84°54'48.883"E	114	23°44'55.536"N	84°55'14.050"E
45	23°44'59.683"N	84°54'48.883"E	115	23°44'55.536"N	84°55'14.050"E
46	23°44'59.683"N	84°54'48.883"E	116	23°44'55.536"N	84°55'14.050"E
47	23°44'59.683"N	84°54'48.883"E	117	23°44'55.536"N	84°55'14.050"E
48	23°44'59.683"N	84°54'48.883"E	118	23°44'55.536"N	84°55'14.050"E
49	23°44'59.683"N	84°54'48.883"E	119	23°44'55.536"N	84°55'14.050"E
50	23°44'59.683"N	84°54'48.883"E	120	23°44'55.536"N	84°55'14.050"E
51	23°44'59.683"N	84°54'48.883"E	121	23°44'55.536"N	84°55'14.050"E
52	23°44'59.683"N	84°54'48.883"E	122	23°44'55.536"N	84°55'14.050"E
53	23°44'59.683"N	84°54'48.883"E	123	23°44'55.536"N	84°55'14.050"E
54	23°44'59.683"N	84°54'48.883"E	124	23°44'55.536"N	84°55'14.050"E
55	23°44'59.683"N	84°54'48.883"E	125	23°44'55.536"N	84°55'14.050"E
56	23°44'59.683"N	84°54'48.883"E	126	23°44'55.536"N	84°55'14.050"E
57	23°44'59.683"N	84°54'48.883"E	127	23°44'55.536"N	84°55'14.050"E
58	23°44'59.683"N	84°54'48.883"E	128	23°44'55.536"N	84°55'14.050"E
59	23°44'59.683"N	84°54'48.883"E	129	23°44'55.536"N	84°55'14.050"E
60	23°44'59.683"N	84°54'48.883"E	130	23°44'55.536"N	84°55'14.050"E
61	23°44'59.683"N	84°54'48.883"E	131	23°44'55.536"N	84°55'14.050"E
62	23°44'59.683"N	84°54'48.883"E	132	23°44'55.536"N	84°55'14.050"E
63	23°44'59.683"N	84°54'48.883"E	133	23°44'55.536"N	84°55'14.050"E
64	23°44'59.683"N	84°54'48.883"E	134	23°44'55.536"N	84°55'14.050"E
65	23°44'59.683"N	84°54'48.883"E	135	23°44'55.536"N	84°55'14.050"E
66	23°44'59.683"N	84°54'48.883"E	136	23°44'55.536"N	84°55'14.050"E
67	23°44'59.683"N	84°54'48.883"E	137	23°44'55.536"N	84°55'14.050"E
68	23°44'59.683"N	84°54'48.883"E	138	23°44'55.536"N	84°55'14.050"E
69	23°44'59.683"N	84°54'48.883"E	139	23°44'55.536"N	84°55'14.050"E
70	23°44'59.683"N	84°54'48.883"E	140	23°44'55.536"N	84°55'14.050"E

F45A9 (73A/9) Lohardigha JHARKHAND	F45A13 (73A/13) Chandwa JHARKHAND	F45B1 (73E/1) Hathhag JHARKHAND
F45A10 (73A/10) Lohardigha JHARKHAND	F45A14 (73A/14) Chandwa JHARKHAND	F45B2 (73E/2) Hathhag JHARKHAND
F45A11 (73A/11) Lohardigha JHARKHAND	F45A15 (73A/15) Chandwa JHARKHAND	F45B3 (73E/3) Hathhag JHARKHAND

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CONVENTIONAL SYMBOLS

Source: Indian map with title, with distance scale. ...

Legend

Proposed CA Land



Village Name	Thana No
KERI	230
Thana Name	Division
BALUMATH	LATEHAR
Range	Area(Ha)
CHANDWA	102.2

User Agency- Banhardih Coal mine, PVUNL

Surveyed By	Checked By	Submitted By
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Subodh John Puri
Sr. Manager, UPPCL (Mining)
PATRATU VIDYUT UPPCL (Mining)
Patratu, Dist. Ramanagar-823119

