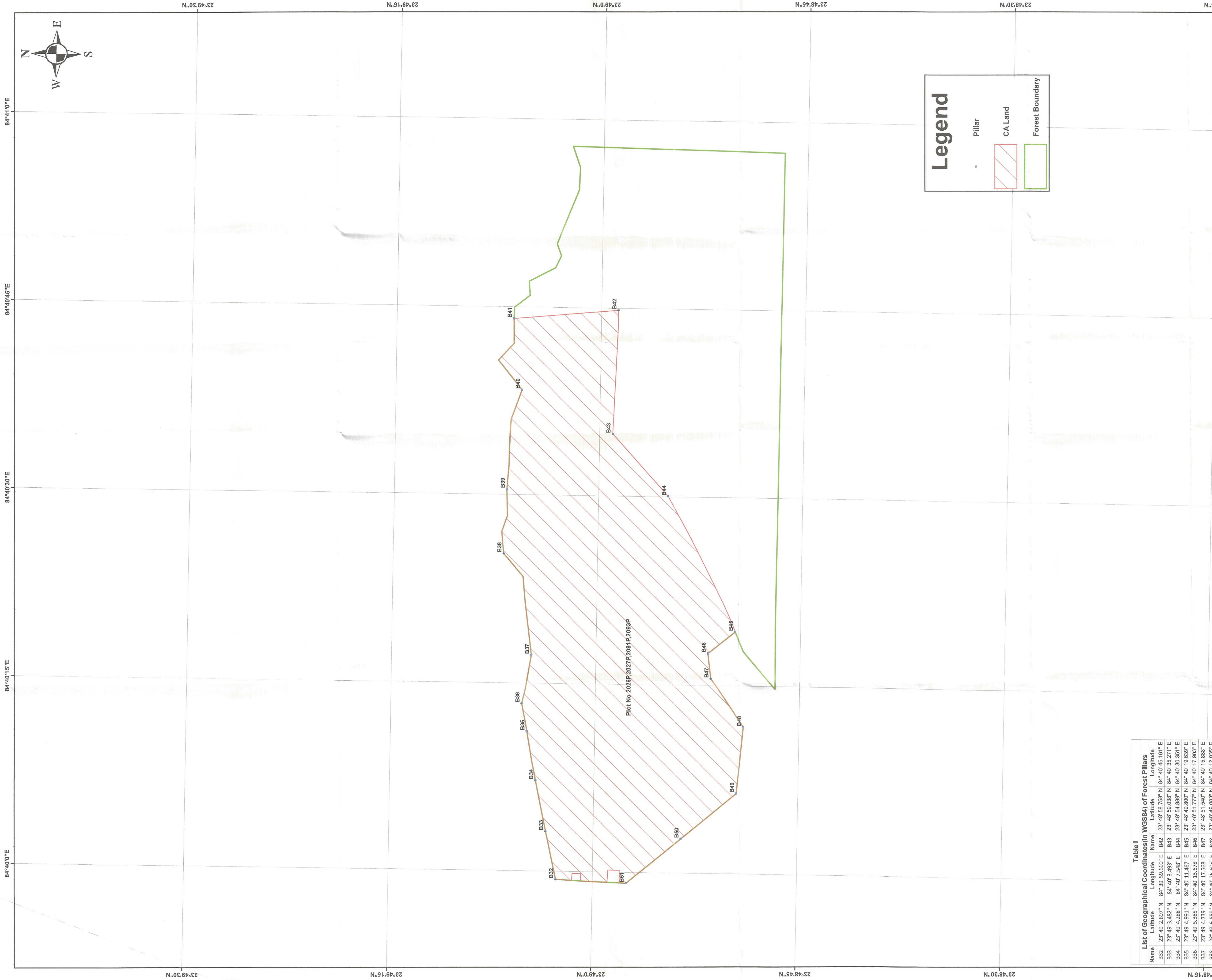




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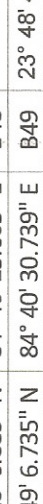
Project

Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL

Job No. 064322133

Subject

Plan Showing CA Land at Village- Balu Chadar No- 5 Thana: Balumath Thana No: 100 District: Latehar



c.m.p.d.i.
The Coal Company

Scale - 1:3960

Drg No. H.Q. [0] [1] [2] [3] [0] [2] [2]

Sheet No. 1 of 1

REV. 0

Table II									
Distance & Bearing Between Forest Pillars									
Line	Fore-Bearing		Back-Bearing		Fore-Bearing		Back-Bearing		
	Distance	Thana No.	Distance	Thana No.	Distance	Thana No.	Distance	Thana No.	
B32-B33	111.19	78°22'44"	258°22'44"	280.14	272°41'56"	92°41'56"			
B33-B34	117.45	78°45'42"	84°3-B44	188.97	228°2'68"	48°2'68"			
B44-B35	113.03	79°54'6"	259°54'6"	341.34	243°37'30"	69°37'30"			
B35-B36	63.77	79°59'00"	259°59'00"	845-B46	78.23	322°02'2"	142°02'2"		
B36-B37	111.93	107°10'38"	281°10'38"	846-B47	57.50	263°39'35"	83°39'35"		
B37-B38	236.98	74°43'21"	254°43'21"	847-B48	132.75	236°12'54"	56°12'54"		
B38-B39	145.43	92°48'56"	272°48'56"	848-B49	151.15	276°74'7"	96°74'7"		
B39-B40	227.47	98°37'47"	278°37'47"	849-B50	161.49	320°52'57"	140°52'57"		
B40-B41	161.90	83°31'31"	263°31'31"	850-B51	159.25	321°52'0"	141°52'0"		
B41-B42	236.96	175°31'43"	355°31'43"	851-B32	159.52	3°81'6"	183°81'6"		

Table III									
Plotwise location and area of CA Land									
Sl.No.	Plot No.	Thana No.			CA Land Area (in Ha.)			Gross Area (in Ha.)	
		Balu	100	Balumath	District	Thana	Perimeter (in Meter)	46.04	52.88
1	2028P/202P/203P						3281.80	46.04	52.88
							3281.80	46.04	52.88

23

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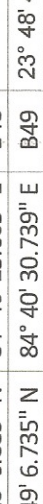
Project

Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL

Job No. 064322133

Subject

Plan Showing CA Land at Village- Balu Chadar No- 5 Thana: Balumath Thana No: 100 District: Latehar



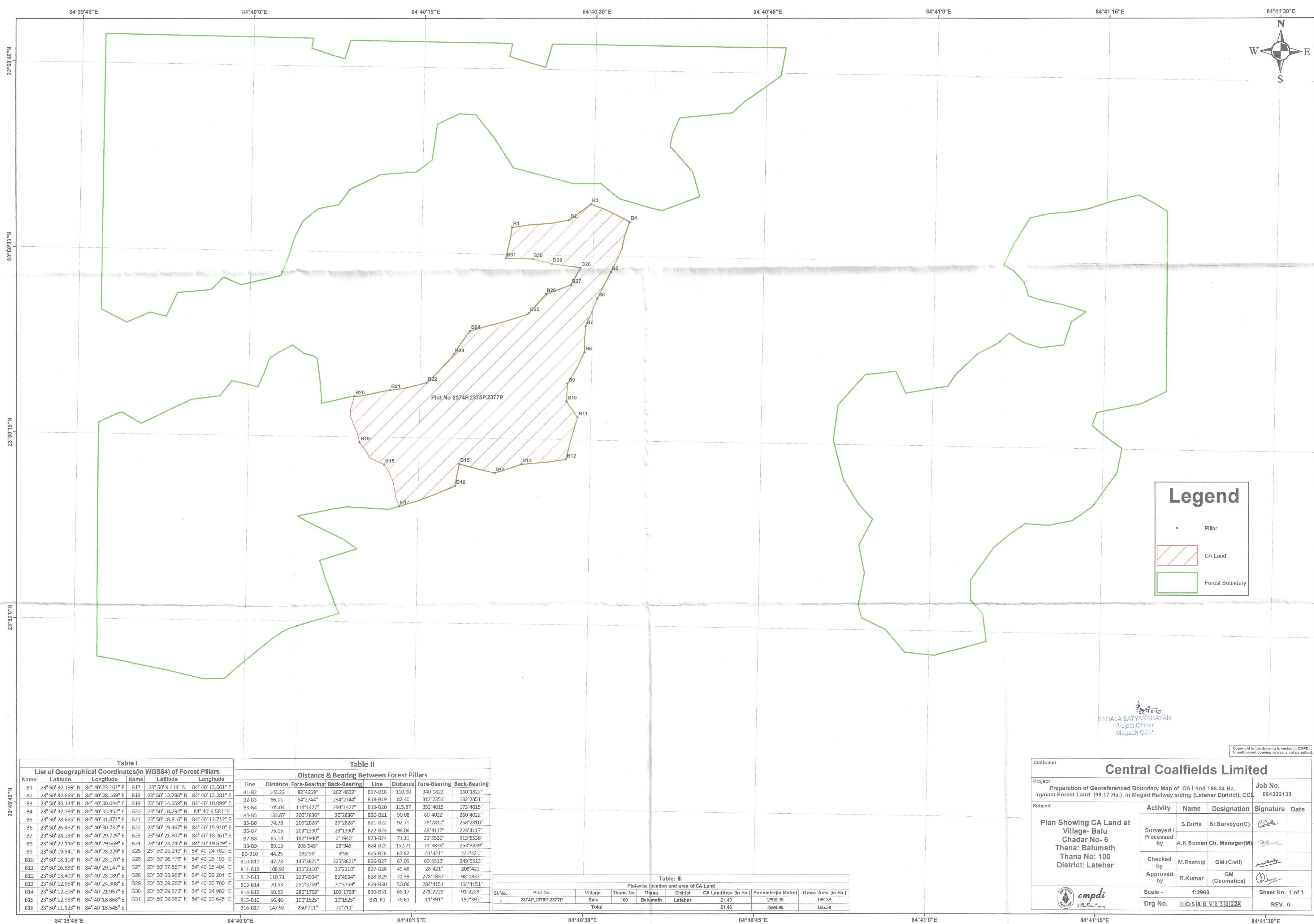
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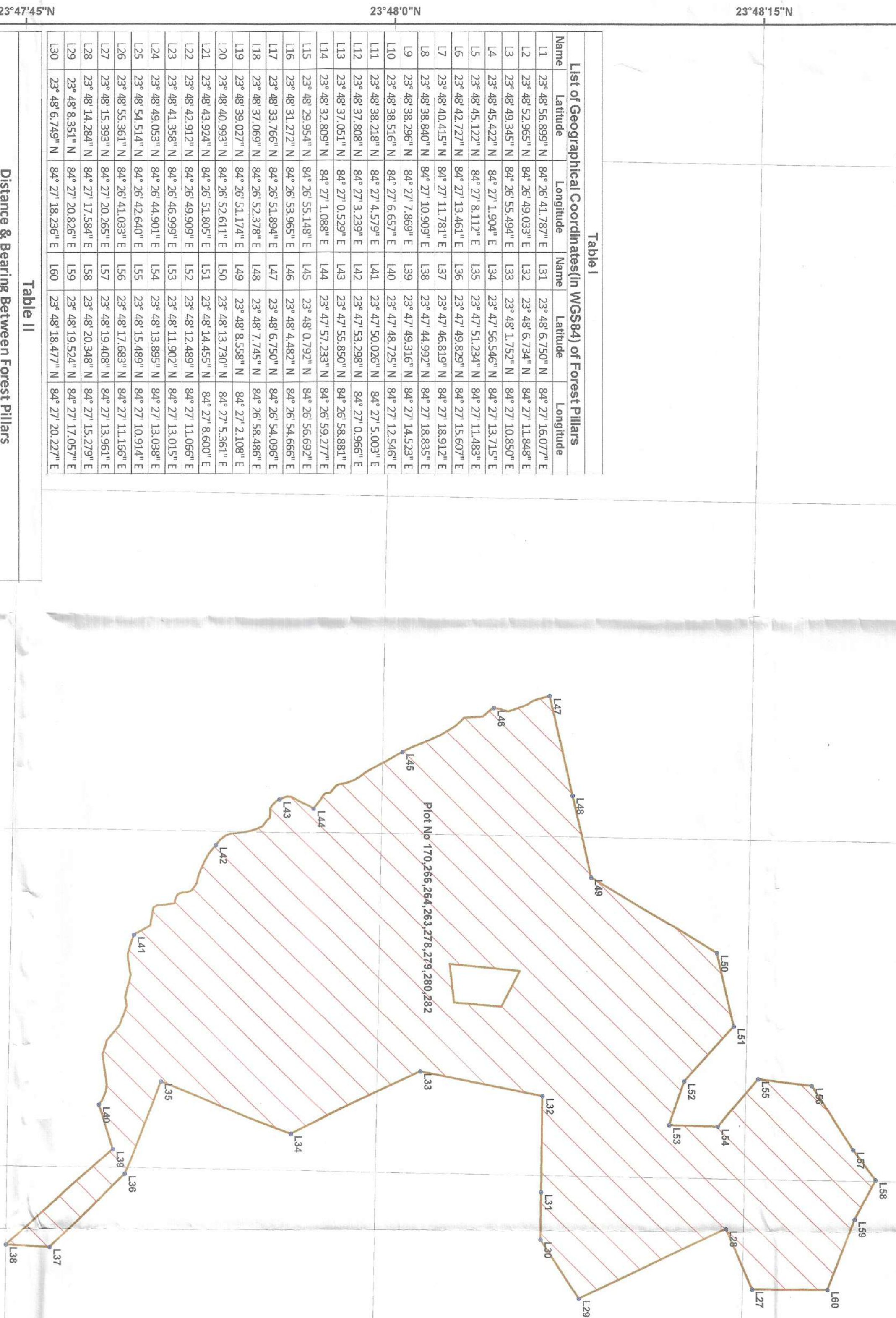
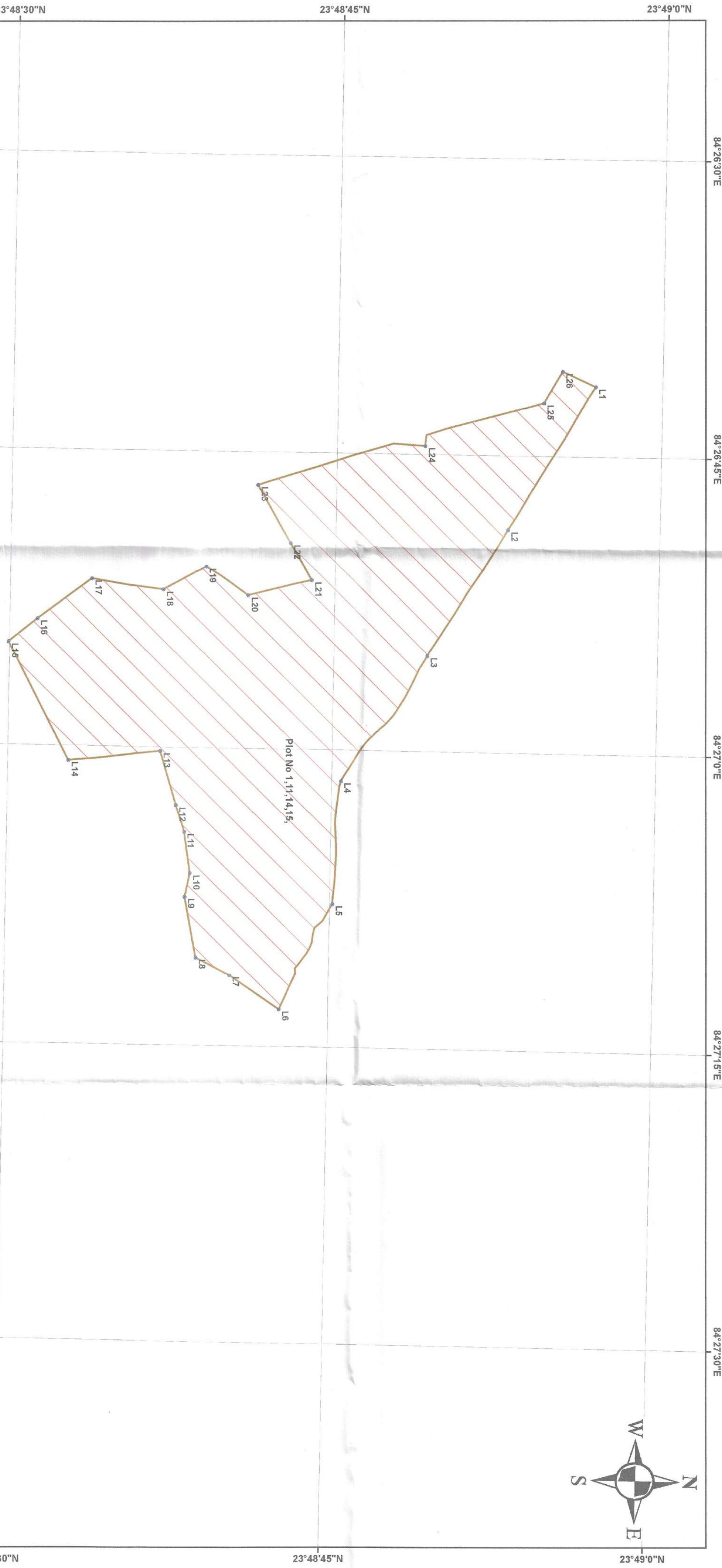
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Drg No. H.Q. [0] [1] [2] [3] [0] [2] [2]

Sheet No. 1 of 1

REV. 0



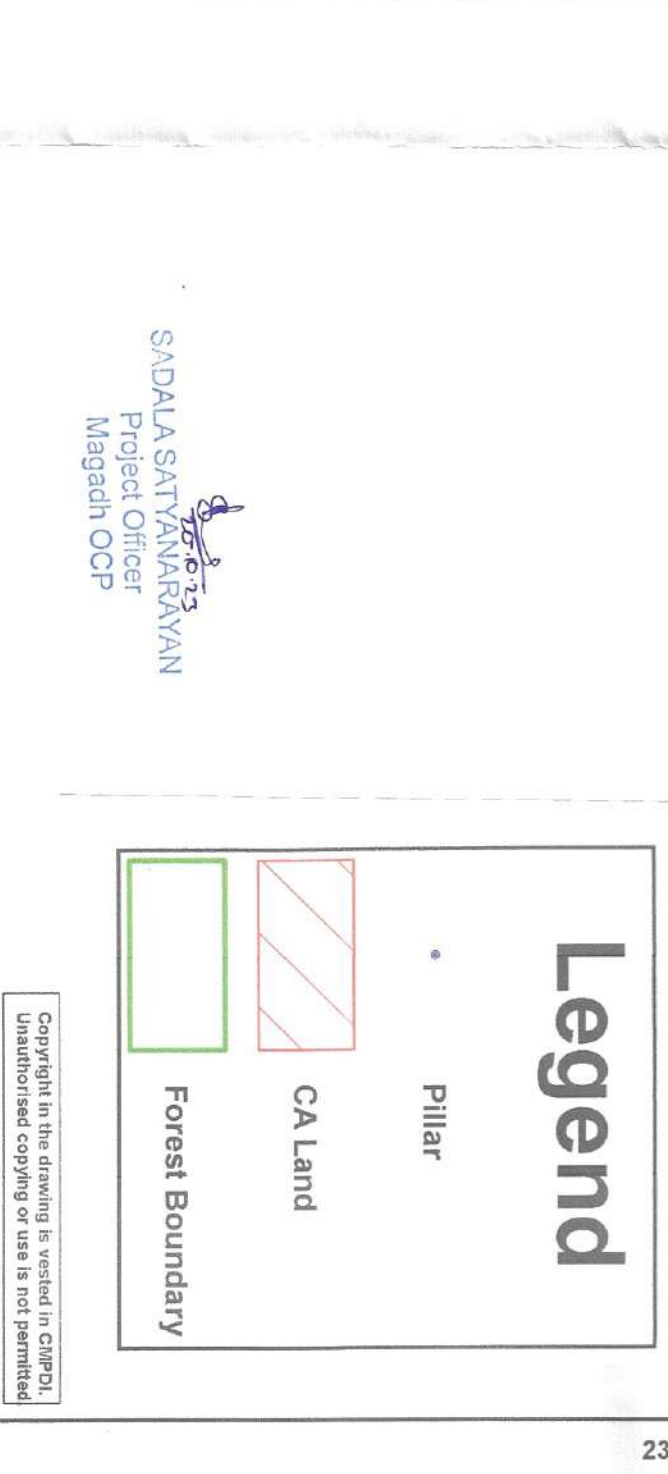


List of Geographical Coordinates (WGS84) of Forest Pillars				
Name	Latitude	Longitude	Nome	Latitude
L1	23° 48' 52.965' N	84° 26' 49.033' E	L31	23° 48' 6.750' N
L2	23° 48' 55.965' N	84° 26' 41.187' E	L32	23° 48' 6.754' N
L3	23° 48' 55.965' N	84° 26' 49.033' E	L33	23° 48' 11.848' E
L4	23° 48' 54.422' N	84° 26' 55.004' E	L34	23° 48' 1.752' N
L5	23° 48' 54.422' N	84° 26' 55.004' E	L35	23° 48' 55.566' N
L6	23° 48' 54.422' N	84° 26' 55.004' E	L36	84° 27' 13.715' E
L7	23° 48' 54.422' N	84° 26' 55.004' E	L37	23° 47' 51.224' N
L8	23° 48' 54.422' N	84° 26' 55.004' E	L38	84° 27' 11.811' E
L9	23° 48' 54.422' N	84° 26' 55.004' E	L39	84° 27' 13.611' E
L10	23° 48' 54.422' N	84° 26' 55.004' E	L40	84° 27' 13.612' E
L11	23° 48' 54.422' N	84° 26' 55.004' E	L41	84° 27' 13.612' E
L12	23° 48' 54.422' N	84° 26' 55.004' E	L42	84° 27' 13.612' E
L13	23° 48' 54.422' N	84° 26' 55.004' E	L43	84° 27' 13.612' E
L14	23° 48' 54.422' N	84° 26' 55.004' E	L44	84° 27' 13.612' E
L15	23° 48' 54.422' N	84° 26' 55.004' E	L45	84° 27' 13.612' E
L16	23° 48' 54.422' N	84° 26' 55.004' E	L46	84° 27' 13.612' E
L17	23° 48' 54.422' N	84° 26' 55.004' E	L47	84° 27' 13.612' E
L18	23° 48' 54.422' N	84° 26' 55.004' E	L48	84° 27' 13.612' E
L19	23° 48' 54.422' N	84° 26' 55.004' E	L49	84° 27' 13.612' E
L20	23° 48' 54.422' N	84° 26' 55.004' E	L50	84° 27' 13.612' E
L21	23° 48' 54.422' N	84° 26' 55.004' E	L51	84° 27' 13.612' E
L22	23° 48' 54.422' N	84° 26' 55.004' E	L52	84° 27' 13.612' E
L23	23° 48' 54.422' N	84° 26' 55.004' E	L53	84° 27' 13.612' E
L24	23° 48' 54.422' N	84° 26' 55.004' E	L54	84° 27' 13.612' E
L25	23° 48' 54.422' N	84° 26' 55.004' E	L55	84° 27' 13.612' E
L26	23° 48' 54.422' N	84° 26' 55.004' E	L56	84° 27' 13.612' E
L27	23° 48' 54.422' N	84° 26' 55.004' E	L57	84° 27' 13.612' E
L28	23° 48' 54.422' N	84° 26' 55.004' E	L58	84° 27' 13.612' E
L29	23° 48' 54.422' N	84° 26' 55.004' E	L59	84° 27' 13.612' E
L30	23° 48' 54.422' N	84° 26' 55.004' E	L60	84° 27' 13.612' E

Table II
Linkages Between Forest Pillars

Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
12-1	268.27	121.9441	301.9441	13-1	119.77	270.8451	90.4815
12-2	214.21	127.2237	302.2237	13-2	155.93	191.2857	11.2857
13-3	218.00	124.9319	304.9319	13-3.4	179.62	154.1055	334.1055
14-4	176.08	124.7233	297.7233	14-3.5	175.29	202.1012	27.1012
15-6	168.66	116.5897	296.5897	15-3.6	124.55	111.2121	291.2121
16-7	85.61	214.8487	34.8487	16-3.7	131.68	135.4350	315.4350
17-8	54.40	207.9585	27.9585	17-3.8	56.28	183.1458	374.587
18-9	87.71	260.1017	80.1017	18-3.9	180.69	51.2926	138.2926
19-10	34.96	262.1117	102.1117	19-4.0	58.87	253.941	73.941
110-11	59.54	262.1112	82.1112	100-4.1	21.35	261.3857	101.3857
111-12	40.01	262.3883	72.3883	141-4.2	152.36	312.2488	132.2488
112-13	80.20	275.7587	74.7587	142-4.3	98.26	324.635	144.635
113-14	131.52	127.9474	354.9474	143-4.4	44.02	15.4530	195.4530
114-15	388.77	243.2639	63.2639	144-4.5	131.73	327.1643	147.1643
115-16	52.63	321.2953	141.2953	145-4.6	127.26	334.1344	154.1344
116-17	95.59	323.3848	146.3848	146-4.7	71.65	348.052	168.052
117-18	100.57	8.4157	188.4157	147-4.8	128.02	77.11367	257.11367
118-19	69.25	331.3932	151.3932	148-4.9	105.60	77.1194	257.1194
119-20	72.99	34.9272	214.5271	149-5.0	138.92	331.453	211.453
120-21	93.06	346.0347	163.0347	150-5.1	94.41	77.7133	257.21367
121-22	62.09	240.5421	67.5421	151-5.2	92.41	151.5657	311.5657
122-23	95.27	60.5427	67.4427	152-5.3	58.09	109.835	289.835
123-24	244.16	346.575	165.575	153-5.4	61.35	1.3807	181.3807
124-25	179.86	304.1027	160.1027	154-5.5	77.64	310.1497	130.1497
125-26	52.43	300.513	120.513	155-5.6	71.61	7.8788	187.8788
126-27	165.57	138.5659	318.5659	156-5.7	95.31	57.1054	237.1054
127-28	83.25	246.507	66.507	157-5.8	47.21	53.1434	233.1434
128-29	204.40	154.201	334.201	158-5.9	56.39	117.4427	297.4427
129-30	88.37	273.632	57.632	159-6.0	95.38	110.4647	250.4647
130-31	61.15	271.729	91.729	160-6.1	98.24	318.243	198.243

Sl.No.	Plot No.	Place/Village location and area of CA Land		CA Land/area (In Ha.)	Perimeter(In Metre)	Gross Area (In Ha.)
		Village	Tianna No. District			
1	1, 11, 14, 15, 170, 265, 264, 278, 279, 280, 282	Largari	139 Balamuth Latehar	62.34	6985.46	62.34
	Total			62.34	6985.46	62.34



Customer	Central Coalfields Limited			
Project	Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar district), CCL			Job No. 064322133
Subject	Plan Showing CA Land at Village- Largar Chadar No- 1 Thana: Bahurath Thana No: 139 District: Latehar			
Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S Dutta	Sr.-Surveyor(C)	<i>S. Dutta</i>	
	A.K. Sunam	Ch. Manager(W)	<i>A.K. Sunam</i>	
Checked by	M.Rastogi	GM (Civil)	<i>M. Rastogi</i>	
Approved by	R.Kumar	GM (Geomatics)	<i>R. Kumar</i>	
Scale -	1:3960			
Dwg No.	H C I S R D N 2 J 3 D Z 2 E			Sheet No. 1 of 1
REV 0				

84°27'30"E

84°27'45"E

84°28'0"E

Table: III								
Plot-wise location and area of CA Land								
Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA Land Area (in Ha.)	Perimeter (in Metre)	Gross Area (in Ha.)
1	397P,338P	Largari	139	Balumath	Latehar	4.54	848.80	37.46
Total						4.54	848.80	37.46



Table I

**List of Geographical Coordinates
(in WGS84) of Forest Pillars**

Name	Latitude	Longitude
L60	23° 48' 18.477" N	84° 27' 20.227" E
L61	23° 48' 21.343" N	84° 27' 24.146" E
L62	23° 48' 23.620" N	84° 27' 27.055" E
L63	23° 48' 20.965" N	84° 27' 29.985" E
L64	23° 48' 18.669" N	84° 27' 28.937" E
L65	23° 48' 16.059" N	84° 27' 27.952" E
L66	23° 48' 15.010" N	84° 27' 25.462" E
L67	23° 48' 15.393" N	84° 27' 20.265" E

Legend

• Pillar

CA Land

Forest Boundary

SADALA SATYANARAYAN
Project Officer
Magadh OCP

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Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha.
against Forest Land (98.17 Ha.) in Magadh Railway siding (Latehar District), CCL

Job No.

064322133

Subject

Plan Showing CA Land at
Village- Largari
Chadar No- 2
Thana: Balumath
Thana No: 139
District: Latehar

Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)		
	A.K Suman	Ch. Manager(M)		
Checked by	M.Rastogi	GM (Civil)		
Approved by	R.Kumar	GM (Geomatics)		

Scale - 1:3960

Sheet No. 1 of 1

Drg No. H.Q.S.&D.N.23022C

REV. 0

Table II

Distance & Bearing Between Forest Pillars

Line	Distance	Fore-Bearing	Back-Bearing
L60-L61	141.77	52°3226"	232°3226"
L61-L62	108.14	50°3842"	230°3842"
L62-L63	116.44	135°351"	315°351"
L63-L64	76.65	203°4827"	23°4827"
L64-L65	85.03	200°1025"	20°1025"
L65-L66	77.55	246°252"	66°252"
L66-L67	147.64	275°3617"	95°3617"
L67-L60	94.93	0°2250"	180°2250"

84°27'30"E

84°27'45"E

23°48'15"N

23°48'0"N

23°47'45"N

23°48'15"N

23°48'0"N

23°47'45"N

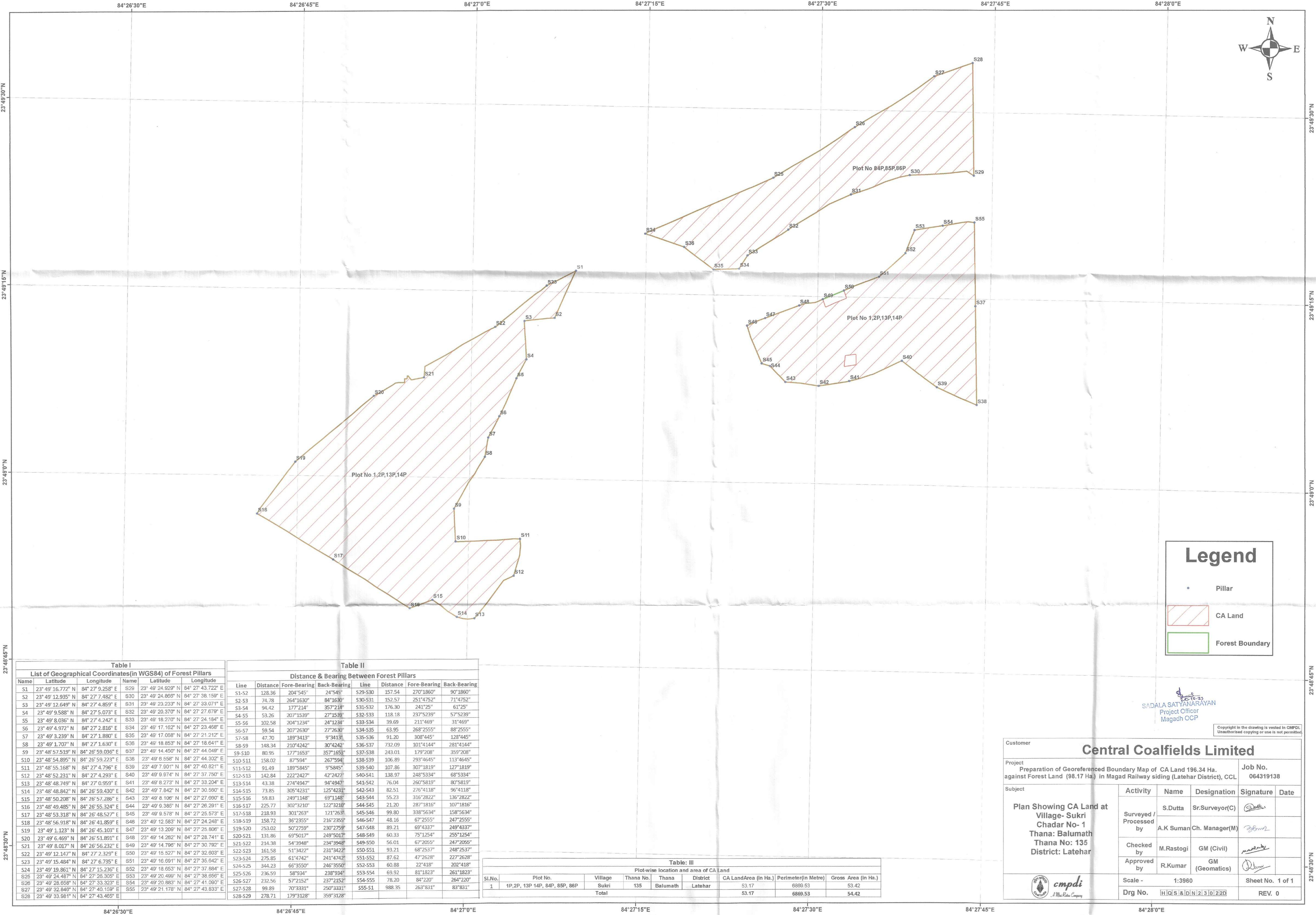


Table I						Table II					
List of Geographical Coordinates(in WGS84) of Forest Pillars						Distance & Bearing Between Forest Pillars					
Name	Latitude	Longitude	Name	Latitude	Longitude	Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance
S1	23° 49' 16.772" N	84° 27' 9.258" E	S29	23° 49' 24.929" N	84° 27' 43.722" E	S1-S2	128.36	204°545'	24°545'	S29-S30	157.54
S2	23° 49' 12.935" N	84° 27' 7.482" E	S30	23° 49' 24.868" N	84° 27' 38.159" E	S2-S3	74.78	264°1630'	84°1630'	S30-S31	152.57
S3	23° 49' 12.649" N	84° 27' 4.859" E	S31	23° 49' 23.233" N	84° 27' 33.071" E	S3-S4	94.42	177°214'	357°214'	S31-S32	176.30
S4	23° 49' 9.588" N	84° 27' 5.073" E	S32	23° 49' 20.370" N	84° 27' 27.679" E	S4-S5	53.26	207°1539"	27°1539"	S32-S33	118.18
S5	23° 49' 8.036" N	84° 27' 4.242" E	S33	23° 49' 18.270" N	84° 27' 24.184" E	S5-S6	102.58	204°1234"	24°1234"	S33-S34	99.69
S6	23° 49' 4.972" N	84° 27' 2.816" E	S34	23° 49' 17.162" N	84° 27' 23.468" E	S6-S7	59.54	207°2630"	27°2630"	S34-S35	63.95
S7	23° 49' 3.239" N	84° 27' 1.880" E	S35	23° 49' 17.088" N	84° 27' 21.212" E	S7-S8	47.70	189°3413"	9°3413"	S35-S36	91.20
S8	23° 49' 1.707" N	84° 27' 1.630" E	S36	23° 49' 18.853" N	84° 27' 18.641" E	S8-S9	148.34	210°4242"	30°4242"	S36-S37	732.09
S9	23° 48' 57.519" N	84° 26' 59.096" E	S37	23° 49' 14.450" N	84° 27' 44.049" E	S9-S10	80.95	177°1653"	357°1653"	S37-S38	243.01
S10	23° 48' 54.895" N	84° 26' 59.223" E	S38	23° 49' 6.558" N	84° 27' 44.302" E	S10-S11	158.02	87°594"	267°594"	S38-S39	106.89
S11	23° 48' 55.168" N	84° 27' 4.796" E	S39	23° 49' 7.901" N	84° 27' 40.821" E	S11-S12	91.49	189°5845"	9°5845"	S39-S40	107.86
S12	23° 48' 52.231" N	84° 27' 4.293" E	S40	23° 49' 9.974" N	84° 27' 37.750" E	S12-S13	142.84	222°2427"	42°2427"	S40-S41	138.97
S13	23° 48' 48.749" N	84° 27' 0.959" E	S41	23° 49' 8.273" N	84° 27' 33.204" E	S13-S14	43.38	274°4947"	94°4947"	S41-S42	76.04
S14	23° 48' 48.842" N	84° 26' 59.430" E	S42	23° 49' 7.842" N	84° 27' 30.560" E	S14-S15	73.85	305°4231"	125°4231"	S42-S43	82.51
S15	23° 48' 50.208" N	84° 26' 57.286" E	S43	23° 49' 8.106" N	84° 27' 27.690" E	S15-S16	59.83	249°1148"	69°1148"	S43-S44	55.23
S16	23° 48' 49.485" N	84° 26' 55.324" E	S44	23° 49' 9.385" N	84° 27' 37.884" E	S16-S17	225.77	302°3210"	122°3210"	S44-S45	21.20
S17	23° 48' 53.318" N	84° 26' 48.527" E	S45	23° 49' 9.578" N	84° 27' 26.573" E	S17-S18	218.93	301°263"	121°263"	S45-S46	99.80
S18	23° 48' 56.918" N	84° 26' 41.859" E	S46	23° 49' 12.563" N	84° 27' 24.248" E	S18-S19	158.72	36°2355"	216°2355"	S46-S47	48.16
S19	23° 49' 1.123" N	84° 26' 45.103" E	S47	23° 49' 13.209" N	84° 27' 25.806" E	S19-S20	253.02	50°2759"	230°2759"	S47-S48	89.21
S20	23° 49' 6.469" N	84° 26' 51.891" E	S48	23° 49' 14.262" N	84° 27' 28.741" E	S20-S21	131.86	69°5017"	249°5017"	S48-S49	60.33
S21	23° 49' 8.017" N	84° 26' 56.232" E	S49	23° 49' 14.795" N	84° 27' 30.792" E	S21-S22	214.38	54°3948"	234°3948"	S49-S50	56.01
S22	23° 49' 12.147" N	84° 27' 2.329" E	S50	23° 49' 15.527" N	84° 27' 32.603" E	S22-S23	161.58	51°3427"	231°3427"	S50-S51	93.21
S23	23° 49' 15.484" N	84° 27' 6.735" E	S51	23° 49' 16.091" N	84° 27' 36.642" E	S23-S24	275.85	61°4742"	241°4742"	S51-S52	87.62
S24	23° 49' 19.861" N	84° 27' 15.236" E	S52	23° 49' 18.653" N	84° 27' 37.884" E	S24-S25	344.23	66°3550"	246°3550"	S52-S53	60.88
S25	23° 49' 24.487" N	84° 27' 26.305" E	S53	23° 49' 20.499" N	84° 27' 38.656" E	S25-S26	236.59	58°934"	238°934"	S53-S54	69.92
S26	23° 49' 28.658" N	84° 27' 33.323" E	S54	23° 49' 20.883" N	84° 27' 41.090" E	S26-S27	232.56	57°2152"	237°2152"	S54-S55	78.20
S27	23° 49' 32.849" N	84° 27' 40.159" E	S55	23° 49' 21.178" N	84° 27' 43.833" E	S27-S28	99.99	70°3331"	250°3331"	S55-S1	988.35
S28	23° 49' 33.981" N	84° 27' 43.465" E				S28-S29	278.71	179°3128"	359°3128"		263°831"

Table: III								
Plot-wise location and area of CA Land								
Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA LandArea (in Ha.)	Perimeter(in Metre)	Gross Area (in Ha.)
1	1P,2P, 13P 14P, 84P, 85P, 86P	Sukri	135	Balumath	Latehar	53.17	6889.53	53.42
		Total				53.17	6889.53	54.42

SADALA SATYANARAYAN
Project Officer
Magadh OCP

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Customer Central Coalfields Limited					
Project Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL				Job No. 064319138	
Subject	Activity	Name	Designation	Signature	Date
Plan Showing CA Land at Village- Sukri Chadar No- 1 Thana: Balumath Thana No: 135 District: Latehar	Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)		
	Checked by	A.K Suman	Ch. Manager(M)		
	Approved by	M.Rastogi	GM (Civil)		
		R.Kumar	GM (Geomatics)		
Scale -		1:3960		Sheet No. 1 of 1	
Drg No.		HQS&DN230220		REV. 0	



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