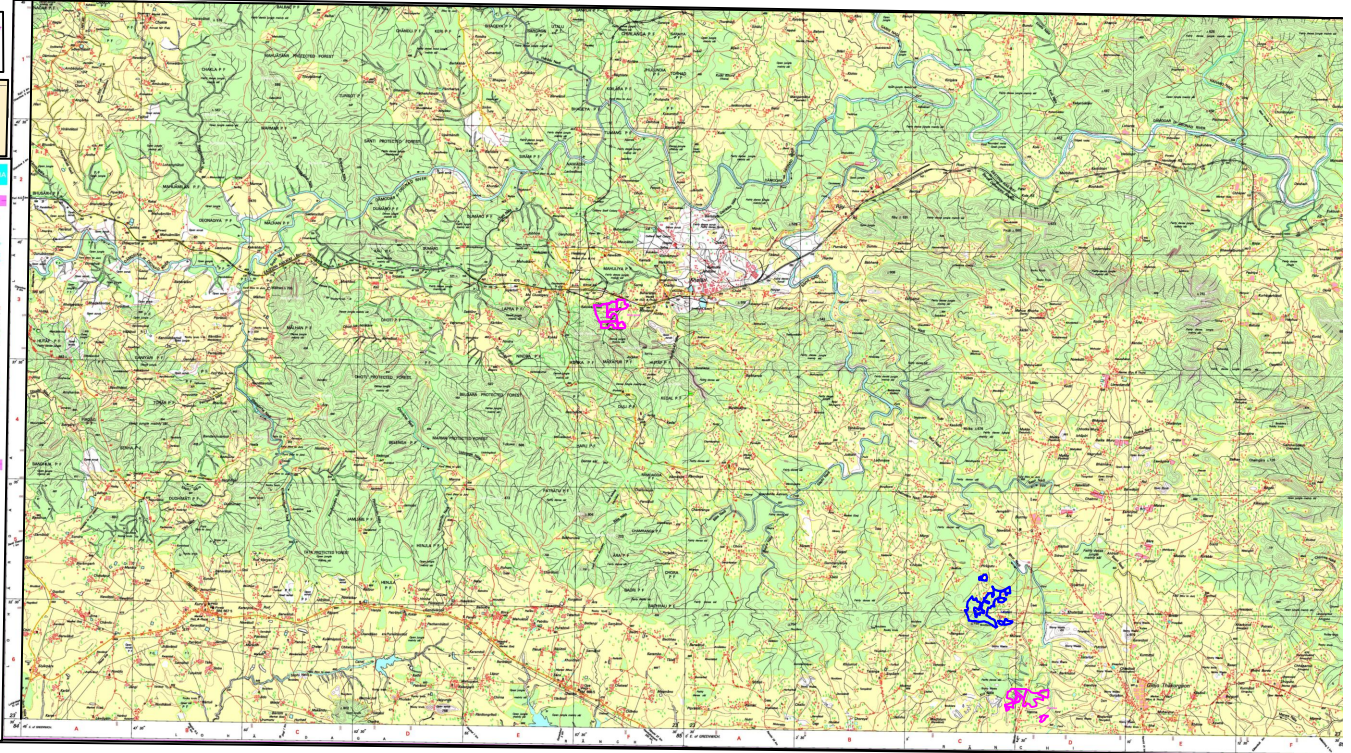




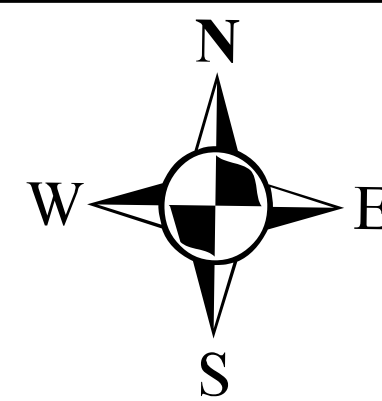
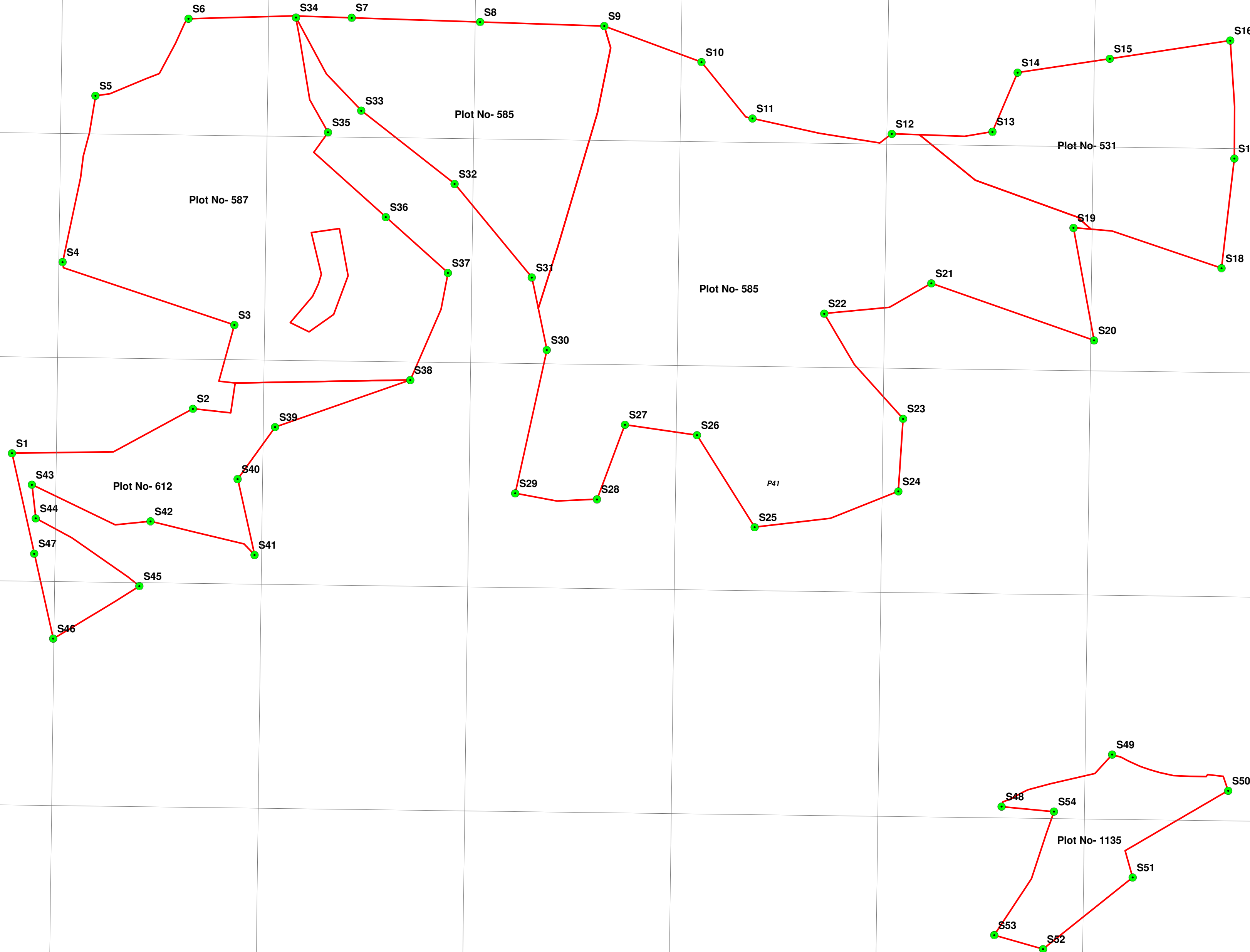


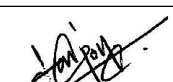
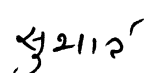
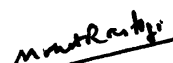
Table:1					
List of Geographical Co-ordinates (in WGS 84) of pillars along CA Land					
Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
S1	23°30'35.70063"N	85°07'11.98101"E	S28	23°30'33.98818"N	85°07'46.33100"E
S2	23°30'37.79497"N	85°07'26.70946"E	S29	23°30'34.20417"N	85°07'42.36646"E
S3	23°30'41.55696"N	85°07'28.66170"E	S30	23°30'40.62504"N	85°07'43.81004"E
S4	23°30'44.26376"N	85°07'20.31203"E	S31	23°30'43.85163"N	85°07'43.03485"E
S5	23°30'51.70196"N	85°07'21.79681"E	S32	23°30'47.98360"N	85°07'39.24075"E
S6	23°30'55.19068"N	85°07'26.25573"E	S33	23°30'51.19681"N	85°07'34.67542"E
S7	23°30'55.33506"N	85°07'34.14899"E	S34	23°30'55.30953"N	85°07'31.45124"E
S8	23°30'55.22140"N	85°07'40.37057"E	S35	23°30'50.20523"N	85°07'33.08003"E
S9	23°30'55.11165"N	85°07'46.37840"E	S36	23°30'46.45897"N	85°07'35.93028"E
S10	23°30'53.56121"N	85°07'51.10990"E	S37	23°30'44.00838"N	85°07'38.70305"E
S11	23°30'53.07466"N	85°07'53.60957"E	S38	23°30'39.19993"N	85°07'37.21359"E
S12	23°30'50.47064"N	85°08'00.36279"E	S39	23°30'37.02275"E	85°07'30.70511"E
S13	23°30'50.62689"N	85°08'05.23797"E	S40	23°30'34.68136"N	85°07'28.92112"E
S14	23°30'53.27771"N	85°08'06.41755"E	S41	23°30'31.30534"N	85°07'29.78528"E
S15	23°30'53.94486"N	85°08'10.87637"E	S42	23°30'32.74444"N	85°07'24.73131"E
S16	23°30'54.83191"N	85°08'16.69244"E	S43	23°30'34.30917"N	85°07'18.96350"E
S17	23°30'49.57282"N	85°08'16.96227"E	S44	23°30'32.80725"E	85°07'19.17479"E
S18	23°30'44.66355"N	85°08'16.41315"E	S45	23°30'29.84948"N	85°07'24.23509"E
S19	23°30'46.38332"N	85°08'09.21865"E	S46	23°30'27.44752"N	85°07'20.09283"E
S20	23°30'41.36827"N	85°08'10.28733"E	S47	23°30'31.23524"N	85°07'19.12636"E
S21	23°30'43.82016"N	85°08'02.37472"E	S48	23°30'20.50221"N	85°08'06.10690"E
S22	23°30'42.40800"N	85°07'57.20508"E	S49	23°30'22.89223"N	85°08'11.42672"E
S23	23°30'37.76282"N	85°08'00.10944"E	S50	23°30'21.34580"N	85°08'17.06178"E
S24	23°30'34.51850"N	85°08'00.90751"E	S51	23°30'17.42235"N	85°08'12.49263"E
S25	23°30'32.83672"N	85°07'53.97706"E	S52	23°30'14.17394"N	85°08'08.19770"E
S26	23°30'36.90091"N	85°07'51.12634"E	S53	23°30'14.76773"N	85°08'05.82669"E
S27	23°30'37.32891"N	85°07'47.63322"E	S54	23°30'20.30817"N	85°08'06.64401"E

Table-II			
Distance and Bearing between pillars along CA Land			
Traverse Line	Distance	Fore Bearing	Back bearing
S1-S2	255.187	26°19'21"	266°35'52"
S2-S3	128.311	26°19'21"	206°19'21"
S3-S4	251.104	260°73"	110°7'3"
S4-S5	232.687	11°10'46"	131°10'46"
S5-S6	165.902	50°26'7"	230°26'7"
S6-S7	223.982	89°36'43"	269°36'43"
S7-S8	176.544	91°52'56"	271°52'56"
S8-S9	170.480	91°52'54"	271°52'54"
S9-S10	142.460	110°18'32"	230°18'32"
S10-S11	104.314	137°54'54"	31°54'54"
S11-S12	192.494	96°17'7"	276°17'7"
S12-S13	138.397	88°45'15"	268°45'15"
S13-S14	88.154	23°31'7"	203°31'7"
S14-S15	128.154	81°31'40"	261°31'40"
S15-S16	167.247	81°21'8"	261°21'8"
S16-S17	161.980	178°24"	358°24"
S17-S18	151.838	186°37'56"	6°37'56"
S18-S19	210.862	285°16'32"	105°16'32"
S19-S20	157.242	169°37'35"	349°37'35"
S20-S21	236.826	289°19'13"	109°19'13"
S21-S22	152.969	254°14'42"	74°14'42"
S22-S23	180.555	143°42'0"	323°42'0"
S23-S24	99.955	183°47'7"	3°47'7"
S24-S25	203.324	256°09'	76°09'
S25-S26	148.916	327°50'57"	147°50'57"
S26-S27	99.977	178°18'52"	98°18'52"
S27-S28	109.219	200°31'16"	20°31'16"
S28-S29	112.677	274°7'39"	94°7'39"
S29-S30	201.745	12°27'36"	192°27'36"
S30-S31	101.676	348°15'16"	168°15'16"
S31-S32	166.576	320°29'25"	140°29'25"
S32-S33	162.938	308°55'59"	128°55'59"
S33-S34	156.133	324°53'2"	144°53'2"
S34-S35	163.696	164°21'3"	344°21'3"
S35-S36	140.794	145°41'39"	325°41'39"
S36-S37	104.559	131°54'20"	311°54'20"
S37-S38	156.106	199°22'0"	19°22'0"
S38-S39	196.414	250°48'30"	70°48'30"
S39-S40	88.050	215°51'4"	35°51'4"
S40-S41	106.720	167°27'58"	347°27'58"
S41-S42	150.071	287°54'27"	107°54'27"
S42-S43	170.579	287°8'30"	107°8'30"
S43-S44	46.596	173°21'27"	353°21'27"
S44-S45	169.981	123°6'58"	303°6'58"
S45-S46	138.828	238°35'16"	58°35'16"
S46-S47	139.733	347°28'18"	167°28'18"
S47-S48	1373.319	104°39'35"	284°39'35"
S48-S49	167.895	64°46'13"	244°46'13"
S49-S50	166.809	107°18'53"	287°18'53"
S50-S51	177.134	227°47'10"	47°47'10"
S51-S52	157.600	231°23'16"	51°23'16"
S52-S53	69.709	285°56'11"	105°56'11"
S53-S54	188.268	25°52'6"	205°52'6"
S54-S1	1513.424	288°58'52"	108°58'52"

Table: III							
Plot-wise location and area of CA Land							
Sl.No.	Plot No.	Chadar No	Village	Thana No.	Thana	District	Area (in Ha.)
1	612	2	Hatma	38	Mandar	Ranchi	5.86
2	587	2	Hatma	38	Mandar	Ranchi	15.87
3	585	2	Hatma	38	Mandar	Ranchi	28.95
4	1135	2	Hatma	38	Mandar	Ranchi	3.68
5	531	2	Hatma	38	Mandar	Ranchi	7.97
6	585	2	Hatma	38	Mandar	Ranchi	8.47
Total							70.80



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Customer		Central Coalfields Limited				
Project		Preparation of Georeferenced Boundary Map of CA Land against Forest Land (126.72 Ha.) of KDH OCP CCL			Job No. 064318204	
Subject		Activity	Name	Designation	Signature	Date
Plan Showing CA Land at Village- Hatma Thana: Mandar District: Ranchi		Surveyed / Processed by	S.Roy	Surveyor(C)		
			S.Prasad	Sr.Surveyor(C)		
			S.K.Dixit	Sr. Manager(M)		
		Checked by	M.Rastogi	Ch.Manager(C)		
		Approved by	R.Kumar	HOD (Geomatics)		
  A Mini Ratna Company		Scale - 1:4000			Sheet No. 1 of 1	
		Drg No.		H Q S & D N 1 9 0 1 9		REV. 0

Legend

- Pillar
- CA_Land

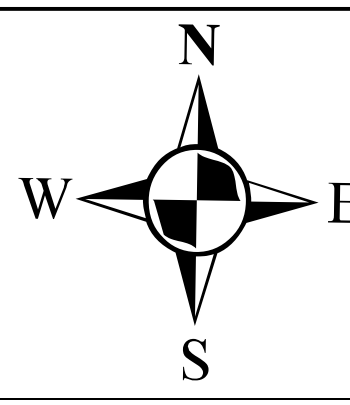
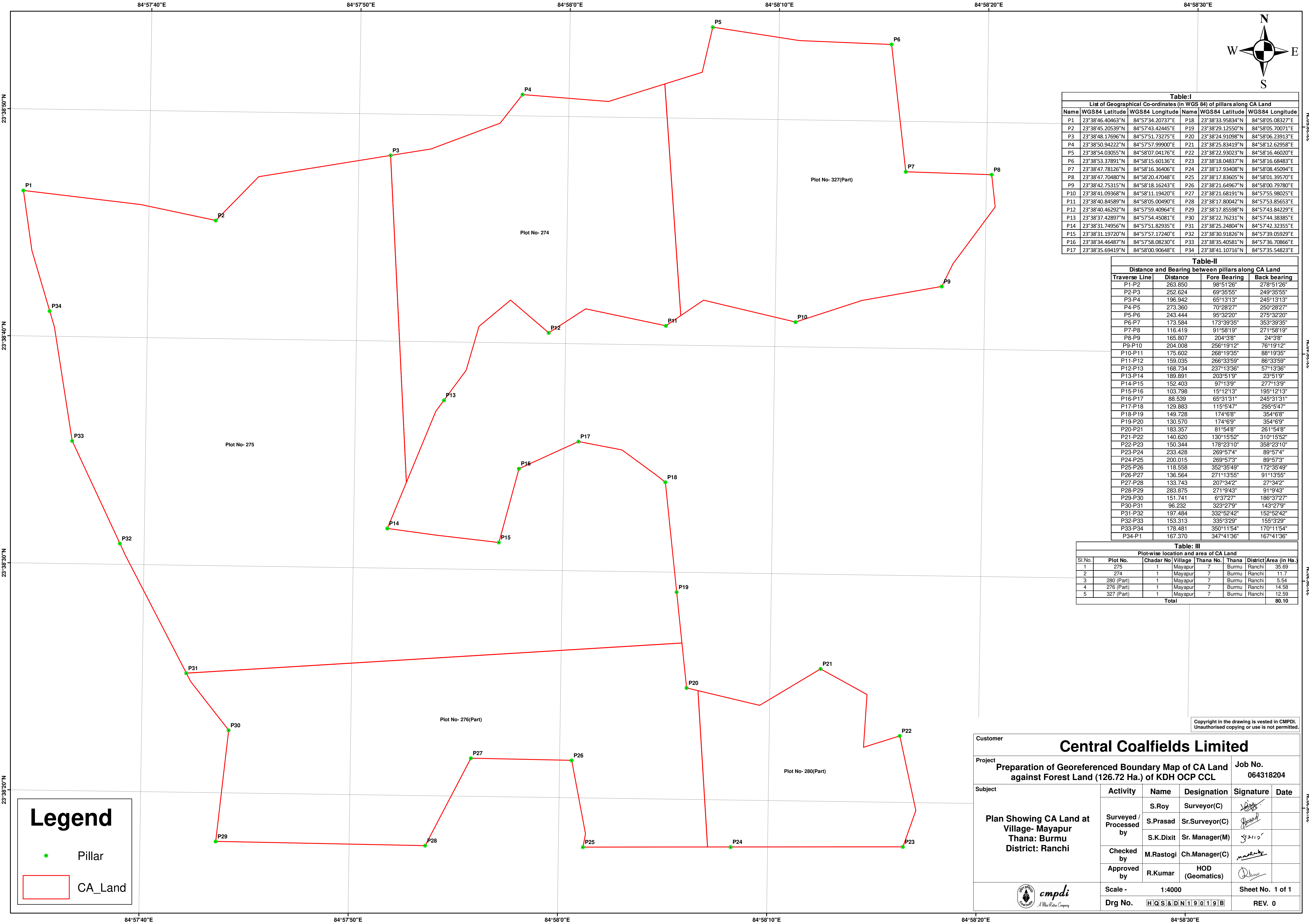


Table-I					
List of Geographical Co-ordinates (in WGS 84) of pillars along CA Land					
Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
P1	23°38'46.40463"N	84°57'34.20737"E	P18	23°38'33.95834"N	84°58'05.08327"E
P2	23°38'45.20539"N	84°57'43.42445"E	P19	23°38'29.12550"N	84°58'05.70071"E
P3	23°38'48.17696"N	84°57'51.73275"E	P20	23°38'24.91098"N	84°58'06.23913"E
P4	23°38'50.94222"N	84°57'57.99900"E	P21	23°38'25.83419"N	84°58'12.62958"E
P5	23°38'54.03055"N	84°58'07.04176"E	P22	23°38'22.93023"N	84°58'16.46020"E
P6	23°38'53.37891"N	84°58'15.60136"E	P23	23°38'18.04837"N	84°58'16.68483"E
P7	23°38'47.78126"N	84°58'16.36406"E	P24	23°38'17.93408"N	84°58'08.45094"E
P8	23°38'47.70480"N	84°58'20.47048"E	P25	23°38'17.83605"N	84°58'01.39570"E
P9	23°38'42.75315"N	84°58'18.16243"E	P26	23°38'21.64967"N	84°58'00.79780"E
P10	23°38'41.09368"N	84°58'11.19420"E	P27	23°38'21.68191"N	84°57'55.98025"E
P11	23°38'40.84589"N	84°58'05.00490"E	P28	23°38'17.80042"N	84°57'53.85653"E
P12	23°38'40.46292"N	84°57'59.40964"E	P29	23°38'17.85598"N	84°57'43.84229"E
P13	23°38'37.42897"N	84°57'54.45081"E	P30	23°38'22.76231"N	84°57'44.38385"E
P14	23°38'31.74956"N	84°57'51.82935"E	P31	23°38'25.24804"N	84°57'42.32355"E
P15	23°38'31.19720"N	84°57'57.17240"E	P32	23°38'30.91826"N	84°57'39.05929"E
P16	23°38'34.46487"N	84°57'58.08230"E	P33	23°38'35.40581"N	84°57'36.70866"E
P17	23°38'35.69419"N	84°58'00.90648"E	P34	23°38'41.10716"N	84°57'35.54823"E

Table-II			
Distance and Bearing between pillars along CA Land			
Traverse Line	Distance	Fore Bearing	Back bearing
P1-P2	263.850	98°51'26"	278°51'26"
P2-P3	252.624	69°35'55"	249°35'55"
P3-P4	196.942	65°13'13"	245°13'13"
P4-P5	273.360	70°28'27"	250°28'27"
P5-P6	243.444	95°32'20"	275°32'20"
P6-P7	173.584	173°39'35"	353°39'35"
P7-P8	116.419	91°58'19"	271°58'19"
P8-P9	165.807	204°3'8"	24°3'8"
P9-P10	204.008	256°19'12"	76°19'12"
P10-P11	175.602	268°19'35"	88°19'35"
P11-P12	159.035	266°33'59"	86°33'59"
P12-P13	168.734	237°13'36"	57°13'36"
P13-P14	189.891	203°51'9"	23°51'9"
P14-P15	152.403	97°13'9"	277°13'9"
P15-P16	103.798	15°12'13"	195°12'13"
P16-P17	88.539	65°31'31"	245°31'31"
P17-P18	129.883	115°54'7"	295°54'7"
P18-P19	149.728	174°6'8"	354°6'8"
P19-P20	130.570	174°6'9"	354°6'9"
P20-P21	183.357	81°54'8"	261°54'8"
P21-P22	140.620	130°15'52"	310°15'52"
P22-P23	150.344	178°23'10"	358°23'10"
P23-P24	233.428	269°57'4"	89°57'4"
P24-P25	200.015	269°57'3"	89°57'3"
P25-P26	118.558	352°35'49"	172°35'49"
P26-P27	136.564	271°13'55"	91°13'55"
P27-P28	133.743	207°34'2"	27°34'2"
P28-P29	283.875	271°9'43"	91°9'43"
P29-P30	151.741	6°37'27"	186°37'27"
P30-P31	96.232	323°27'9"	143°27'9"
P31-P32	197.484	332°52'42"	152°52'42"
P32-P33	153.313	335°3'29"	155°3'29"
P33-P34	178.481	350°11'54"	170°11'54"
P34-P1	167.370	347°41'36"	167°41'36"

Table- III						
Plot-wise location and area of CA Land						
Sl.No.	Plot No.	Chadar No	Village	Thana No.	Thana	District Area (in Ha.)
1	275	1	Mayapur	7	Burmu Ranchi	35.69
2	274	1	Mayapur	7	Burmu Ranchi	11.7
3	280 (Part)	1	Mayapur	7	Burmu Ranchi	5.54
4	276 (Part)	1	Mayapur	7	Burmu Ranchi	14.58
5	327 (Part)	1	Mayapur	7	Burmu Ranchi	12.59
Total						80.10

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Customer Central Coalfields Limited					
Project Preparation of Georeferenced Boundary Map of CA Land against Forest Land (126.72 Ha.) of KDH OCP CCL				Job No. 064318204	
Subject Plan Showing CA Land at Village- Mayapur Thana: Burmu District: Ranchi	Activity	Name	Designation	Signature	Date
	Surveyed / Processed by	S.Roy	Surveyor(C)		
		S.Prasad	Sr.Surveyor(C)		
		S.K.Dixit	Sr. Manager(M)		
	Checked by	M.Rastogi	Ch.Manager(C)		
Approved by	R.Kumar	HOD (Geomatics)			
Scale - 1:4000			Sheet No. 1 of 1		
Drq No. H Q S & D N 1 9 0 1 9 B			REV. 0		



Legend



Pillar



CA_Land



