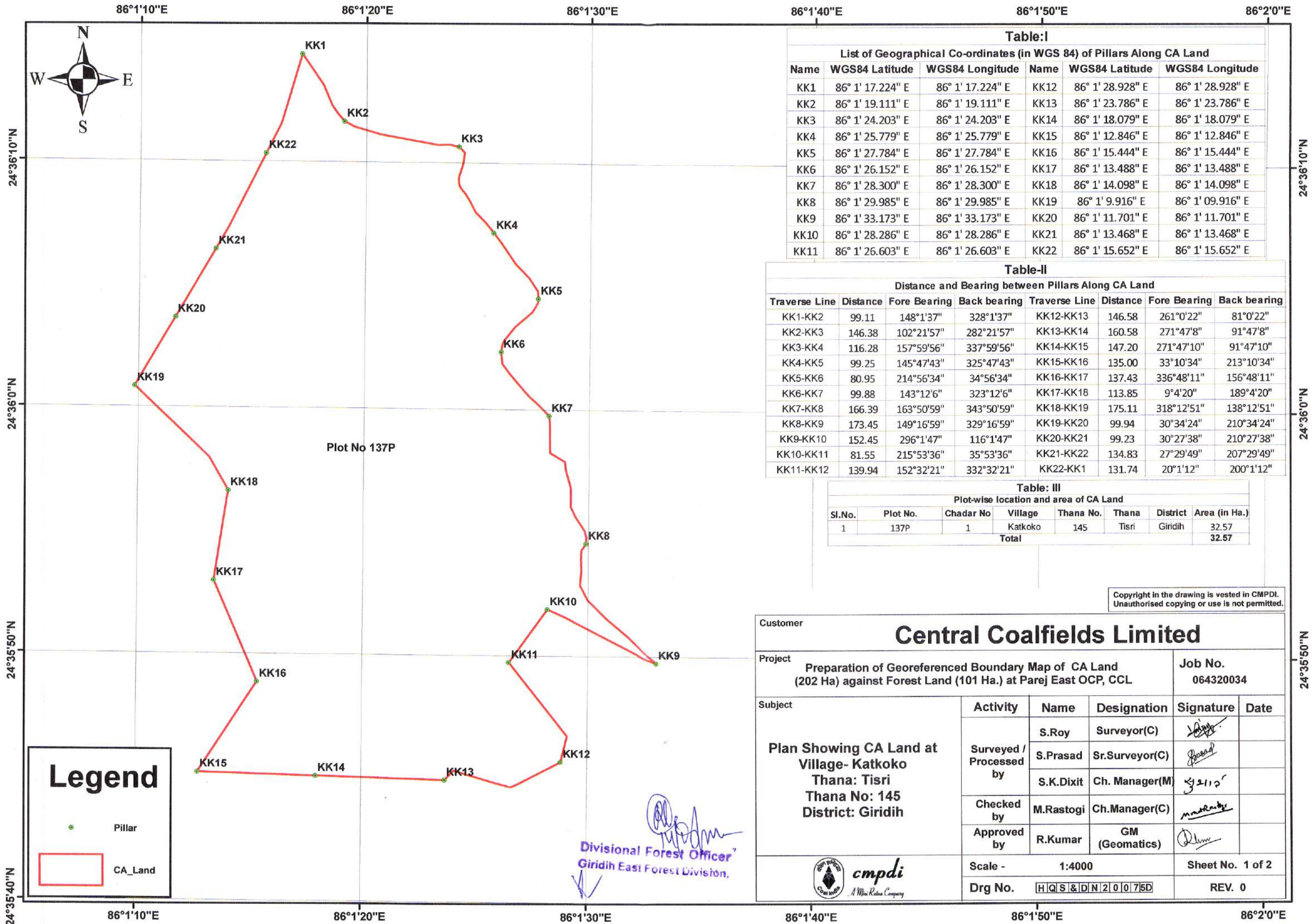




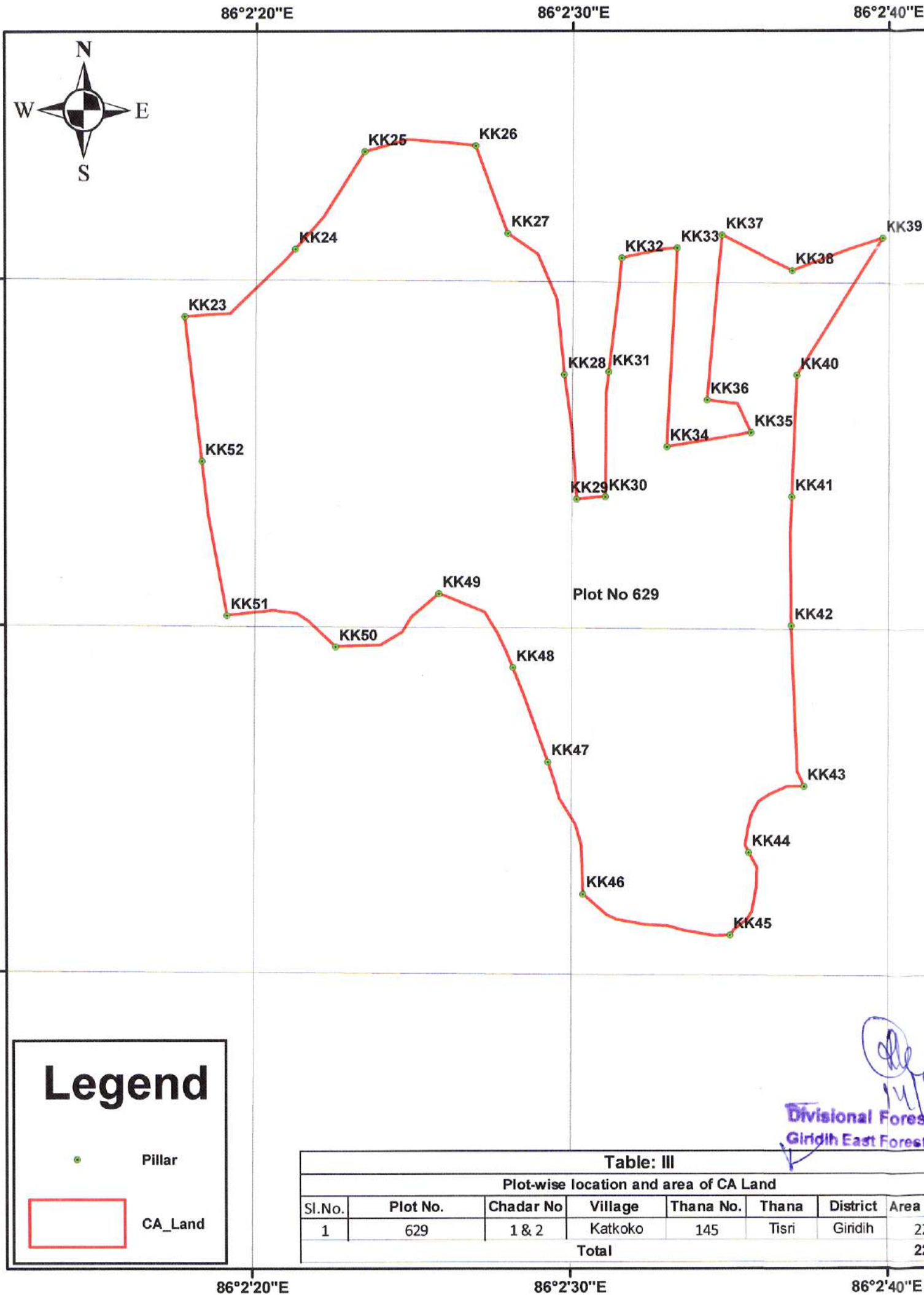


Table-I					
List of Geographical Co-ordinates (in WGS 84) of Pillars Along CA Land					
Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
KK23	86° 2' 17.836" E	86° 2' 17.836" E	KK38	86° 2' 37.014" E	86° 2' 37.014" E
KK24	86° 2' 21.316" E	86° 2' 21.316" E	KK39	86° 2' 39.884" E	86° 2' 39.884" E
KK25	86° 2' 23.501" E	86° 2' 23.501" E	KK40	86° 2' 37.175" E	86° 2' 37.175" E
KK26	86° 2' 27.003" E	86° 2' 27.003" E	KK41	86° 2' 37.028" E	86° 2' 37.028" E
KK27	86° 2' 28.020" E	86° 2' 28.020" E	KK42	86° 2' 37.015" E	86° 2' 37.015" E
KK28	86° 2' 29.829" E	86° 2' 29.829" E	KK43	86° 2' 37.432" E	86° 2' 37.432" E
KK29	86° 2' 30.236" E	86° 2' 30.236" E	KK44	86° 2' 35.687" E	86° 2' 35.687" E
KK30	86° 2' 31.136" E	86° 2' 31.136" E	KK45	86° 2' 35.098" E	86° 2' 35.098" E
KK31	86° 2' 31.232" E	86° 2' 31.232" E	KK46	86° 2' 30.467" E	86° 2' 30.467" E
KK32	86° 2' 31.628" E	86° 2' 31.628" E	KK47	86° 2' 29.348" E	86° 2' 29.348" E
KK33	86° 2' 33.384" E	86° 2' 33.384" E	KK48	86° 2' 28.234" E	86° 2' 28.234" E
KK34	86° 2' 33.074" E	86° 2' 33.074" E	KK49	86° 2' 25.896" E	86° 2' 25.896" E
KK35	86° 2' 35.729" E	86° 2' 35.729" E	KK50	86° 2' 22.638" E	86° 2' 22.638" E
KK36	86° 2' 34.337" E	86° 2' 34.337" E	KK51	86° 2' 19.212" E	86° 2' 19.212" E
KK37	86° 2' 34.793" E	86° 2' 34.793" E	KK52	86° 2' 18.398" E	86° 2' 18.398" E

Table-II							
Distance and Bearing between Pillars Along CA Land							
Traverse Line	Distance	Fore Bearing	Back bearing	Traverse Line	Distance	Fore Bearing	Back bearing
KK23-KK24	115.10	58°38'60"	238°38'60"	KK38-KK39	85.87	70°26'14"	250°26'14"
KK24-KK25	106.18	35°46'31"	215°46'31"	KK39-KK40	144.28	212°16'26"	32°16'26"
KK25-KK26	98.64	87°8'43"	267°8'43"	KK40-KK41	107.78	182°36'1"	2°36'1"
KK26-KK27	82.21	160°2'1"	340°2'1"	KK41-KK42	114.62	180°34'22"	0°34'22"
KK27-KK28	135.42	158°19'20"	338°19'20"	KK42-KK43	143.42	175°42'40"	355°42'40"
KK28-KK29	110.93	174°28'38"	354°28'38"	KK43-KK44	76.72	220°10'51"	40°10'51"
KK29-KK30	25.40	85°11'29"	265°11'29"	KK44-KK45	74.97	193°9'45"	13°9'45"
KK30-KK31	110.63	1°48'24"	181°48'24"	KK45-KK46	135.00	285°40'4"	105°40'4"
KK31-KK32	102.12	6°39'31"	186°39'31"	KK46-KK47	121.11	345°19'33"	165°19'33"
KK32-KK33	50.24	79°49'19"	259°49'19"	KK47-KK48	89.64	339°56'49"	159°56'49"
KK33-KK34	176.75	183°13'50"	3°13'50"	KK48-KK49	92.57	315°7'20"	135°7'20"
KK34-KK35	75.78	80°38'23"	260°38'23"	KK49-KK50	103.25	242°56'6"	62°56'6"
KK35-KK36	48.52	306°35'55"	126°35'55"	KK50-KK51	100.19	286°16'22"	106°16'22"
KK36-KK37	147.26	5°23'33"	185°23'33"	KK51-KK52	138.70	350°54'13"	170°54'13"
KK37-KK38	69.78	116°51'39"	296°51'39"	KK52-KK23	129.26	353°22'7"	173°22'7"

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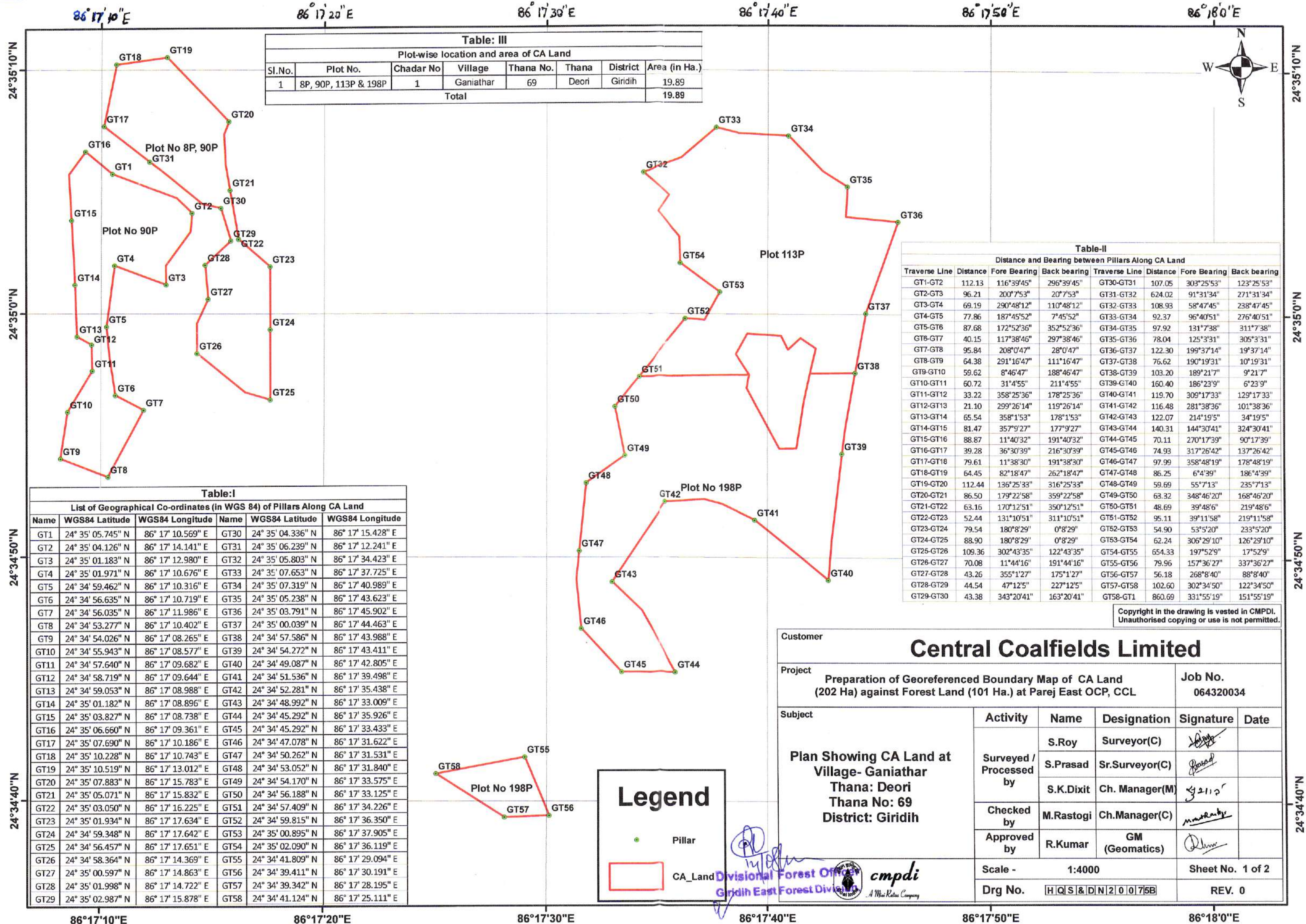
Customer	Central Coalfields Limited				
Project	Preparation of Georeferenced Boundary Map of CA Land (202 Ha) against Forest Land (101 Ha.) at Parej East OCP, CCL			Job No. 064320034	
Subject	Activity	Name	Designation	Signature	Date
Plan Showing CA Land at Village- Katkoko Thana: Tisri Thana No: 145 District: Giridih	Surveyed / Processed by	S.Roy	Surveyor(C)		
		S.Prasad	Sr.Surveyor(C)		
		S.K.Dixit	Ch. Manager(M)		
	Checked by	M.Rastogi	Ch.Manager(C)		
Approved by	R.Kumar	GM (Geomatics)			
Scale - 1:4000		Sheet No. 1 of 2			
Drg No. HQS&DN20075E		REV. 0			

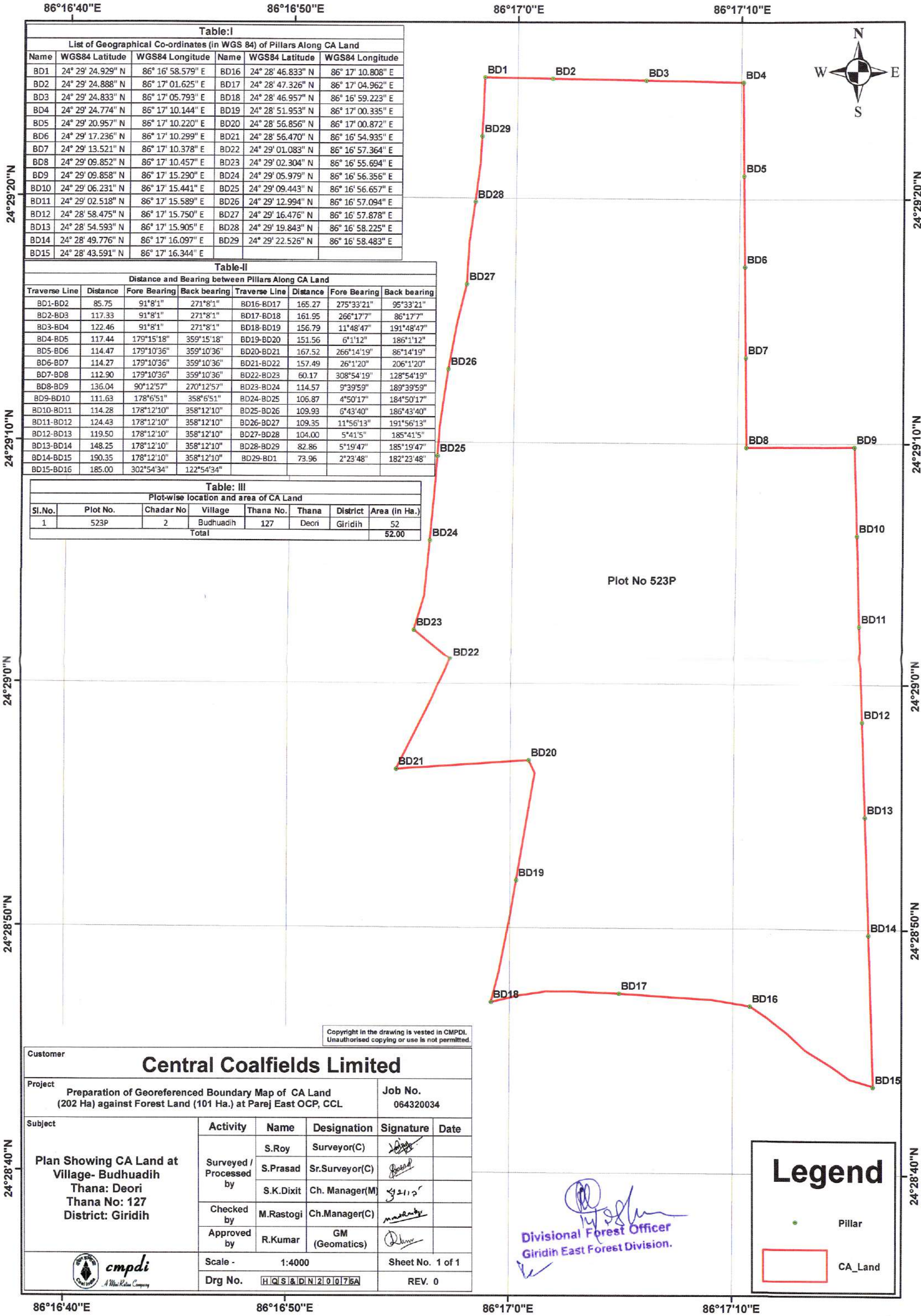
Legend

- Pillar
- CA_Land

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	629	1 & 2	Katkoko	145	Tisri	Giridih	22.43
Total							22.43

Divisional Forest Officer
Giridih East Forest Division.





86°16'40"E

86°16'50"E

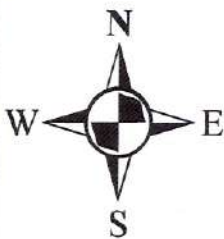
86°17'0"E

86°17'10"E

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	42P, 301P & 312P	2	Ganiathar	69	Deori	Giridih	20.11
Total							20.11



24°34'40"N

24°34'40"N

24°34'30"N

24°34'30"N

24°34'20"N

24°34'20"N

24°34'10"N

24°34'10"N

24°34'0"N

24°34'0"N

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
GT59	24° 34' 44.295" N	86° 17' 05.555" E	GT83	24° 34' 16.568" N	86° 16' 55.817" E
GT60	24° 34' 42.432" N	86° 17' 02.754" E	GT84	24° 34' 13.042" N	86° 16' 56.066" E
GT61	24° 34' 42.419" N	86° 16' 59.593" E	GT85	24° 34' 09.013" N	86° 16' 54.412" E
GT62	24° 34' 43.229" N	86° 16' 58.025" E	GT86	24° 34' 09.887" N	86° 16' 53.127" E
GT63	24° 34' 47.071" N	86° 16' 59.696" E	GT87	24° 34' 13.981" N	86° 16' 52.374" E
GT64	24° 34' 41.043" N	86° 16' 51.736" E	GT88	24° 34' 15.626" N	86° 16' 50.660" E
GT65	24° 34' 39.219" N	86° 16' 51.646" E	GT89	24° 34' 11.805" N	86° 16' 50.917" E
GT66	24° 34' 36.174" N	86° 16' 47.688" E	GT90	24° 34' 12.028" N	86° 16' 48.296" E
GT67	24° 34' 37.972" N	86° 16' 44.206" E	GT91	24° 34' 15.873" N	86° 16' 48.056" E
GT68	24° 34' 38.088" N	86° 16' 39.529" E	GT92	24° 34' 16.264" N	86° 16' 53.531" E
GT69	24° 34' 39.362" N	86° 16' 45.925" E	GT93	24° 34' 18.589" N	86° 16' 56.250" E
GT70	24° 34' 35.075" N	86° 17' 00.000" E	GT94	24° 34' 21.634" N	86° 16' 58.936" E
GT71	24° 34' 34.959" N	86° 17' 06.460" E	GT95	24° 34' 24.153" N	86° 17' 01.493" E
GT72	24° 34' 31.747" N	86° 17' 05.009" E	GT96	24° 34' 26.624" N	86° 16' 56.600" E
GT73	24° 34' 31.644" N	86° 17' 03.145" E	GT97	24° 34' 28.417" N	86° 16' 52.453" E
GT74	24° 34' 29.229" N	86° 17' 04.238" E	GT98	24° 34' 31.295" N	86° 16' 55.468" E
GT75	24° 34' 23.935" N	86° 17' 03.223" E	GT99	24° 34' 31.674" N	86° 16' 57.278" E
GT76	24° 34' 23.215" N	86° 17' 03.762" E	GT100	24° 34' 09.456" N	86° 16' 51.498" E
GT77	24° 34' 25.228" N	86° 17' 08.589" E	GT101	24° 34' 07.636" N	86° 16' 51.926" E
GT78	24° 34' 24.141" N	86° 17' 09.240" E	GT102	24° 34' 05.366" N	86° 16' 49.828" E
GT79	24° 34' 21.631" N	86° 17' 06.319" E	GT103	24° 34' 03.481" N	86° 16' 51.412" E
GT80	24° 34' 19.224" N	86° 17' 01.402" E	GT104	24° 34' 01.233" N	86° 16' 51.477" E
GT81	24° 34' 15.849" N	86° 17' 00.683" E	GT105	24° 34' 03.182" N	86° 16' 46.851" E
GT82	24° 34' 16.894" N	86° 16' 56.605" E	GT106	24° 34' 07.379" N	86° 16' 48.350" E

Table-II

Distance and Bearing between Pillars Along CA Land

Traverse Line	Distance	Fore Bearing	Back bearing
GT59-GT60	97.42	234°16'1"	54°16'1"
GT60-GT61	88.91	270°2'36"	90°2'36"
GT61-GT62	50.64	299°45'5"	119°45'5"
GT62-GT63	127.17	21°58'50"	201°58'50"
GT63-GT64	290.69	230°40'20"	50°40'20"
GT64-GT65	56.18	182°52'49"	2°52'49"
GT65-GT66	145.48	230°13'13"	50°13'13"
GT66-GT67	112.49	299°45'46"	119°45'46"
GT67-GT68	131.60	271°50'56"	91°50'56"
GT68-GT69	184.13	78°0'59"	258°0'59"
GT69-GT70	417.20	108°43'20"	288°43'20"
GT70-GT71	181.83	91°25'7"	271°25'7"
GT71-GT72	106.91	202°45'18"	22°45'18"
GT72-GT73	52.50	266°50'42"	86°50'42"
GT73-GT74	80.40	157°50'4"	337°50'4"
GT74-GT75	165.31	190°14'36"	10°14'36"
GT75-GT76	26.84	145°51'9"	325°51'9"
GT76-GT77	149.23	65°46'59"	245°46'59"
GT77-GT78	38.14	151°36'25"	331°36'25"
GT78-GT79	112.74	227°4'54"	47°4'54"
GT79-GT80	156.88	242°8'13"	62°8'13"
GT80-GT81	105.76	191°19'50"	11°19'50"
GT81-GT82	119.11	285°57'15"	105°57'15"
GT82-GT83	24.32	245°59'31"	65°59'31"
GT83-GT84	108.67	176°36'45"	356°36'45"
GT84-GT85	132.37	200°51'57"	20°51'57"
GT85-GT86	45.04	306°55'54"	126°55'54"
GT86-GT87	127.71	350°44'31"	170°44'31"
GT87-GT88	69.87	316°41'20"	136°41'20"
GT88-GT89	117.73	176°46'44"	356°46'44"
GT89-GT90	74.05	275°36'26"	95°36'26"
GT90-GT91	118.44	357°2'2"	177°2'2"
GT91-GT92	154.46	85°49'29"	265°49'29"
GT92-GT93	104.72	47°13'53"	227°13'53"
GT93-GT94	120.33	39°10'60"	219°10'60"
GT94-GT95	105.70	43°10'29"	223°10'29"
GT95-GT96	157.22	299°12'20"	119°12'20"
GT96-GT97	129.03	295°36'32"	115°36'32"
GT97-GT98	122.60	44°4'15"	224°4'15"
GT98-GT99	52.22	77°23'50"	257°23'50"
GT99-GT100	702.46	193°40'47"	13°40'47"
GT100-GT101	57.27	168°9'18"	348°9'18"
GT101-GT102	91.43	220°30'50"	40°30'50"
GT102-GT103	73.12	142°44'14"	322°44'14"
GT103-GT104	69.19	178°48'8"	358°48'8"
GT104-GT105	143.26	295°1'59"	115°1'59"
GT105-GT106	135.82	18°23'15"	198°23'15"
GT106-GT59	1234.31	23°22'54"	203°22'54"

Plot No 301P, 312P

Divisional Forest Officer
Giridih East Forest Division.

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Customer					
Central Coalfields Limited					
Project				Job No.	
Preparation of Georeferenced Boundary Map of CA Land (202 Ha) against Forest Land (101 Ha.) at Parej East OCP, CCL				064320034	
Subject		Activity	Name	Designation	Signature
Plan Showing CA Land at Village- Ganiathar Thana: Deori Thana No: 69 District: Giridih		Surveyed / Processed by	S.Roy	Surveyor(C)	
			S.Prasad	Sr.Surveyor(C)	
			S.K.Dixit	Ch. Manager(M)	
		Checked by	M.Rastogi	Ch.Manager(C)	
Approved by	R.Kumar	GM (Geomatics)			
Scale -		1:4000		Sheet No. 2 of 2	
Drg No.		HQS&DN/20075C		REV. 0	

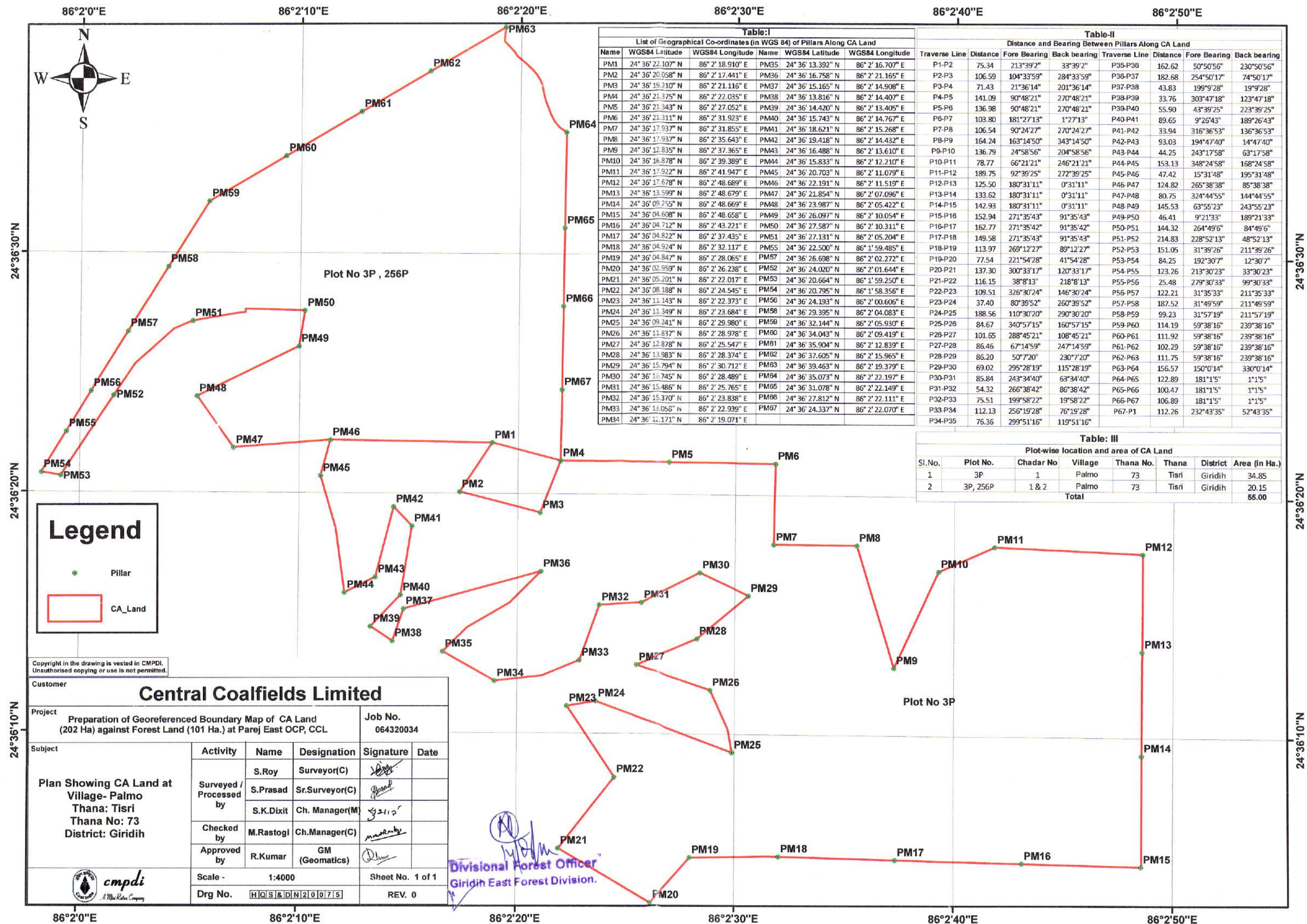


Table-I List of Geographical Co-ordinates (in WGS 84) of Pillars Along CA Land					
Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
PM1	24° 36' 22.107" N	86° 2' 18.910" E	PM35	24° 36' 13.392" N	86° 2' 16.707" E
PM2	24° 36' 20.058" N	86° 2' 17.441" E	PM36	24° 36' 16.758" N	86° 2' 21.165" E
PM3	24° 36' 19.210" N	86° 2' 21.116" E	PM37	24° 36' 15.165" N	86° 2' 14.908" E
PM4	24° 36' 21.375" N	86° 2' 22.035" E	PM38	24° 36' 13.816" N	86° 2' 14.407" E
PM5	24° 36' 21.343" N	86° 2' 27.052" E	PM39	24° 36' 14.420" N	86° 2' 13.405" E
PM6	24° 36' 21.311" N	86° 2' 31.923" E	PM40	24° 36' 15.743" N	86° 2' 14.767" E
PM7	24° 36' 17.937" N	86° 2' 31.855" E	PM41	24° 36' 18.621" N	86° 2' 15.268" E
PM8	24° 36' 17.937" N	86° 2' 35.643" E	PM42	24° 36' 19.418" N	86° 2' 14.432" E
PM9	24° 36' 12.835" N	86° 2' 37.365" E	PM43	24° 36' 16.488" N	86° 2' 13.610" E
PM10	24° 36' 16.878" N	86° 2' 39.389" E	PM44	24° 36' 15.833" N	86° 2' 12.210" E
PM11	24° 36' 17.922" N	86° 2' 41.947" E	PM45	24° 36' 20.703" N	86° 2' 11.079" E
PM12	24° 36' 17.678" N	86° 2' 48.689" E	PM46	24° 36' 22.191" N	86° 2' 11.519" E
PM13	24° 36' 13.599" N	86° 2' 48.679" E	PM47	24° 36' 21.854" N	86° 2' 07.096" E
PM14	24° 36' 09.255" N	86° 2' 48.669" E	PM48	24° 36' 23.987" N	86° 2' 05.422" E
PM15	24° 36' 04.608" N	86° 2' 48.658" E	PM49	24° 36' 26.097" N	86° 2' 10.054" E
PM16	24° 36' 04.712" N	86° 2' 43.221" E	PM50	24° 36' 27.587" N	86° 2' 10.311" E
PM17	24° 36' 04.822" N	86° 2' 37.435" E	PM51	24° 36' 27.131" N	86° 2' 05.204" E
PM18	24° 36' 04.924" N	86° 2' 32.117" E	PM52	24° 36' 22.500" N	86° 1' 59.485" E
PM19	24° 36' 04.847" N	86° 2' 28.065" E	PM53	24° 36' 26.698" N	86° 2' 02.272" E
PM20	24° 36' 02.959" N	86° 2' 26.238" E	PM54	24° 36' 24.020" N	86° 2' 01.644" E
PM21	24° 36' 05.201" N	86° 2' 22.017" E	PM55	24° 36' 20.664" N	86° 1' 59.250" E
PM22	24° 36' 08.188" N	86° 2' 24.545" E	PM56	24° 36' 20.795" N	86° 1' 58.356" E
PM23	24° 36' 11.143" N	86° 2' 22.373" E	PM57	24° 36' 24.193" N	86° 2' 00.606" E
PM24	24° 36' 11.349" N	86° 2' 23.684" E	PM58	24° 36' 29.395" N	86° 2' 04.083" E
PM25	24° 36' 09.241" N	86° 2' 29.980" E	PM59	24° 36' 32.144" N	86° 2' 05.930" E
PM26	24° 36' 11.837" N	86° 2' 28.978" E	PM60	24° 36' 34.043" N	86° 2' 09.419" E
PM27	24° 36' 12.878" N	86° 2' 25.547" E	PM61	24° 36' 35.904" N	86° 2' 12.839" E
PM28	24° 36' 13.983" N	86° 2' 28.374" E	PM62	24° 36' 37.605" N	86° 2' 15.965" E
PM29	24° 36' 15.794" N	86° 2' 30.712" E	PM63	24° 36' 39.463" N	86° 2' 19.379" E
PM30	24° 36' 16.745" N	86° 2' 28.489" E	PM64	24° 36' 35.073" N	86° 2' 22.197" E
PM31	24° 36' 15.486" N	86° 2' 25.765" E	PM65	24° 36' 31.078" N	86° 2' 22.149" E
PM32	24° 36' 15.370" N	86° 2' 23.838" E	PM66	24° 36' 27.812" N	86° 2' 22.111" E
PM33	24° 36' 13.058" N	86° 2' 22.939" E	PM67	24° 36' 24.337" N	86° 2' 22.070" E
PM34	24° 36' 11.171" N	86° 2' 19.071" E			

Table-II							
Distance and Bearing Between Pillars Along CA Land							
Traverse Line	Distance	Fore Bearing	Back bearing	Traverse Line	Distance	Fore Bearing	Back bearing
P1-P2	75.34	213°39'2"	33°39'2"	P35-P36	162.62	50°50'56"	230°50'56"
P2-P3	106.59	104°33'59"	284°33'59"	P36-P37	182.68	254°50'17"	74°50'17"
P3-P4	71.43	21°36'14"	201°36'14"	P37-P38	43.83	199°9'28"	19°9'28"
P4-P5	141.09	90°48'21"	270°48'21"	P38-P39	33.76	303°47'18"	123°47'18"
P5-P6	136.98	90°48'21"	270°48'21"	P39-P40	55.90	43°39'25"	223°39'25"
P6-P7	103.80	181°27'13"	1°27'13"	P40-P41	89.65	9°26'43"	189°26'43"
P7-P8	106.54	90°24'27"	270°24'27"	P41-P42	33.94	316°36'53"	136°36'53"
P8-P9	164.24	163°14'50"	343°14'50"	P42-P43	93.03	194°47'40"	14°47'40"
P9-P10	136.79	24°58'56"	204°58'56"	P43-P44	44.25	243°17'58"	63°17'58"
P10-P11	78.77	66°21'21"	246°21'21"	P44-P45	153.13	348°24'58"	168°24'58"
P11-P12	189.75	92°39'25"	272°39'25"	P45-P46	47.42	15°31'48"	195°31'48"
P12-P13	125.50	180°31'11"	0°31'11"	P46-P47	124.82	265°38'38"	85°38'38"
P13-P14	133.62	180°31'11"	0°31'11"	P47-P48	80.75	324°44'55"	144°44'55"
P14-P15	142.93	180°31'11"	0°31'11"	P48-P49	145.53	63°55'23"	243°55'23"
P15-P16	152.94	271°35'43"	91°35'43"	P49-P50	46.41	9°21'33"	189°21'33"
P16-P17	162.77	271°35'42"	91°35'42"	P50-P51	144.32	264°49'6"	84°49'6"
P17-P18	149.58	271°35'43"	91°35'43"	P51-P52	214.83	228°52'13"	48°52'13"
P18-P19	113.97	269°12'27"	89°12'27"	P52-P53	151.05	31°39'26"	211°39'26"
P19-P20	77.54	221°54'28"	41°54'28"	P53-P54	84.25	192°30'7"	12°30'7"
P20-P21	137.30	300°33'17"	120°33'17"	P54-P55	123.26	213°30'23"	33°30'23"
P21-P22	116.15	38°8'13"	218°8'13"	P55-P56	25.48	279°30'33"	99°30'33"
P22-P23	109.51	326°30'24"	146°30'24"	P56-P57	122.21	31°35'33"	211°35'33"
P23-P24	37.40	80°39'52"	260°39'52"	P57-P58	187.52	31°49'59"	211°49'59"
P24-P25	188.56	110°30'20"	290°30'20"	P58-P59	99.23	31°57'19"	211°57'19"
P25-P26	84.67	340°57'15"	160°57'15"	P59-P60	114.19	59°38'16"	239°38'16"
P26-P27	101.65	288°45'21"	108°45'21"	P60-P61	111.92	59°38'16"	239°38'16"
P27-P28	86.46	67°14'59"	247°14'59"	P61-P62	102.29	59°38'16"	239°38'16"
P28-P29	86.20	50°7'20"	230°7'20"	P62-P63	111.75	59°38'16"	239°38'16"
P29-P30	69.02	295°28'19"	115°28'19"	P63-P64	156.57	150°0'14"	330°0'14"
P30-P31	85.84	243°34'40"	63°34'40"	P64-P65	122.89	181°1'5"	1°1'5"
P31-P32	54.32	266°38'42"	86°38'42"	P65-P66	100.47	181°1'5"	1°1'5"
P32-P33	75.51	199°58'22"	19°58'22"	P66-P67	106.89	181°1'5"	1°1'5"
P33-P34	112.13	256°19'28"	76°19'28"	P67-P1	112.26	232°43'35"	52°43'35"
P34-P35	76.36	299°51'16"	119°51'16"				

Table: III Plot-wise location and area of CA Land						
Sl.No.	Plot No.	Chadar No	Village	Thana No.	Thana	Area (in Ha.)
1	3P	1	Palmo	73	Tisri	34.85
2	3P, 256P	1 & 2	Palmo	73	Tisri	20.15
Total						55.00

Legend

Pillar

CA_Land

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Customer
Central Coalfields Limited

Project
Preparation of Georeferenced Boundary Map of CA Land (202 Ha) against Forest Land (101 Ha.) at Parej East OCP, CCL

Job No.
064320034

Subject
Plan Showing CA Land at Village- Palmo Thana: Tisri Thana No: 73 District: Giridih

Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S.Roy	Surveyor(C)		
	S.Prasad	Sr.Surveyor(C)		
	S.K.Dixit	Ch. Manager(M)		
Checked by	M.Rastogi	Ch.Manager(C)		
Approved by	R.Kumar	GM (Geomatics)		

Scale - 1:4000

Sheet No. 1 of 1

Drg No. HGS&DN20075

REV. 0

Divisional Forest Officer
Giridih East Forest Division.