

85°3'45"E

85°4'0"E

85°4'15"E

85°4'30"E

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	559	Kichto	78	Tandwa	Hazaribagh	20.69	2607.77	20.69
Total						20.69	2607.77	20.69

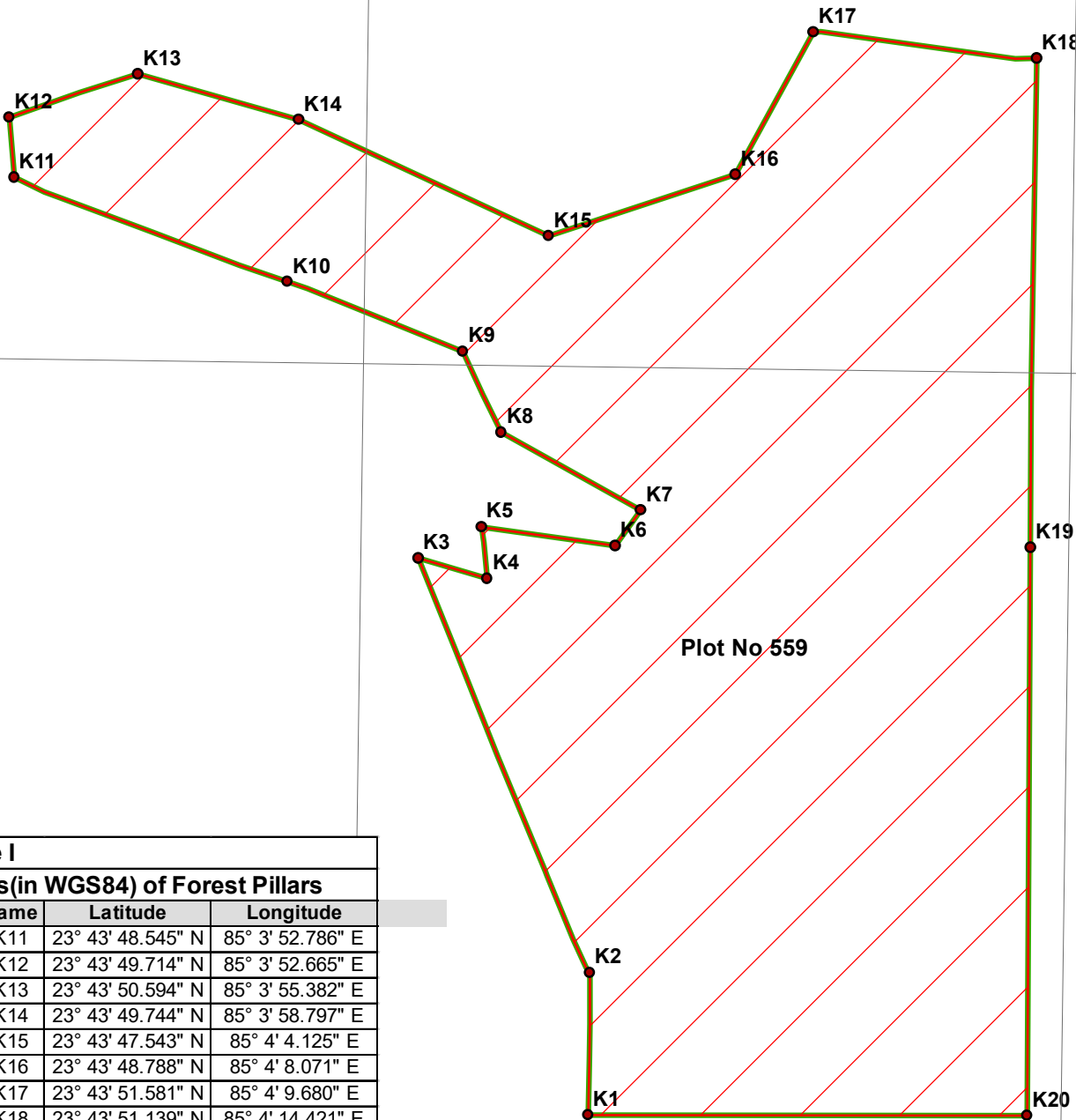
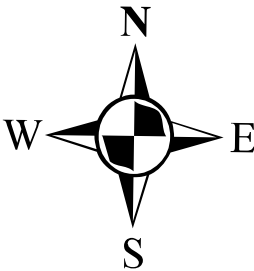


Table I					
List of Geographical Coordinates(in WGS84) of Forest Pillars					
Name	Latitude	Longitude	Name	Latitude	Longitude
K1	23° 43' 30.406" N	85° 4' 5.216" E	K11	23° 43' 48.545" N	85° 3' 52.786" E
K2	23° 43' 33.185" N	85° 4' 5.213" E	K12	23° 43' 49.714" N	85° 3' 52.665" E
K3	23° 43' 41.229" N	85° 4' 1.453" E	K13	23° 43' 50.594" N	85° 3' 55.382" E
K4	23° 43' 40.849" N	85° 4' 2.926" E	K14	23° 43' 49.744" N	85° 3' 58.797" E
K5	23° 43' 41.851" N	85° 4' 2.789" E	K15	23° 43' 47.543" N	85° 4' 4.125" E
K6	23° 43' 41.517" N	85° 4' 5.628" E	K16	23° 43' 48.788" N	85° 4' 8.071" E
K7	23° 43' 42.215" N	85° 4' 6.159" E	K17	23° 43' 51.581" N	85° 4' 9.680" E
K8	23° 43' 43.703" N	85° 4' 3.184" E	K18	23° 43' 51.139" N	85° 4' 14.421" E
K9	23° 43' 45.266" N	85° 4' 2.349" E	K19	23° 43' 41.594" N	85° 4' 14.425" E
K10	23° 43' 46.578" N	85° 3' 58.605" E	K20	23° 43' 30.509" N	85° 4' 14.522" E

Table II							
Distance & Bearing Between Forest Pillars							
Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
K1-K2	85.48	0°4314"	180°4314"	K11-K12	36.12	355°1855"	175°1855"
K2-K3	269.43	337°2953"	157°2953"	K12-K13	81.59	71°2320"	251°2320"
K3-K4	43.31	106°254"	286°254"	K13-K14	100.21	105°5425"	285°5425"
K4-K5	31.06	353°3721"	173°3721"	K14-K15	165.41	114°5642"	294°5642"
K5-K6	81.05	98°336"	278°336"	K15-K16	118.16	71°522"	251°522"
K6-K7	26.23	35°4718"	215°4718"	K16-K17	97.27	28°430"	208°430"
K7-K8	95.90	299°173"	119°173"	K17-K18	134.98	96°3325"	276°3325"
K8-K9	53.60	334°3558"	154°3558"	K18-K19	293.67	180°4528"	0°4528"
K9-K10	113.48	291°376"	111°376"	K19-K20	341.06	180°1847"	0°1847"
K10-K11	175.56	290°5615"	110°5615"	K20-K1	263.64	270°515"	90°515"

Legend

Pillar

CA_Land

Total_Forest

Copyright in the drawing is vested in CMPDI.
Unauthorised copying or use is not permitted.

Customer						Central Coalfields Limited					
Project		Preparation of Georeferenced Boundary Map of CA Land 384.72 Ha. against Forest Land (192.36 Ha.) in Magadh OC Project, CCL				Job No.		064319138			
Subject		Activity		Name		Designation		Signature		Date	
		Surveyed / Processed by		S.Dutta		Sr.Surveyor(C)					
				S.K.Dixit		Ch. Manager(M)					
		Checked by		M.Rastogi		GM (Civil)					
Approved by		R.Kumar		GM (Geomatics)							
 cmpdi <i>A Mini Ratna Company</i>		Scale - 1:4000				Sheet No. 1 of 3					
		Drg No. HQS&DN22008F				REV. 0					

85°3'45"E

85°4'0"E

85°4'15"E

85°4'30"E

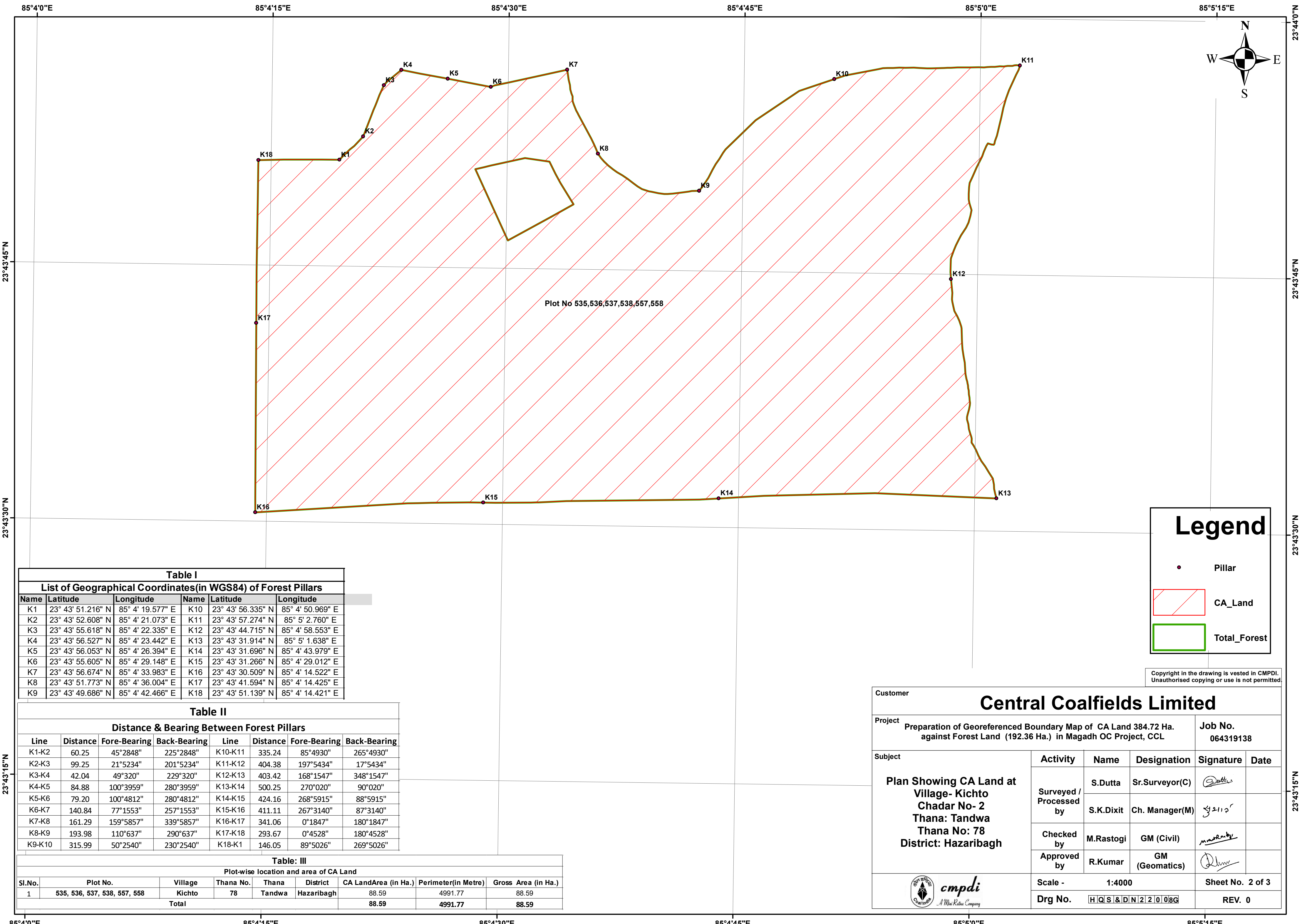


Table I					
List of Geographical Coordinates(in WGS84) of Forest Pillars					
Name	Latitude	Longitude	Name	Latitude	Longitude
K1	23° 43' 51.216" N	85° 4' 19.577" E	K10	23° 43' 56.335" N	85° 4' 50.969" E
K2	23° 43' 52.608" N	85° 4' 21.073" E	K11	23° 43' 57.274" N	85° 5' 2.760" E
K3	23° 43' 55.618" N	85° 4' 22.335" E	K12	23° 43' 44.715" N	85° 4' 58.553" E
K4	23° 43' 56.527" N	85° 4' 23.442" E	K13	23° 43' 31.914" N	85° 5' 1.638" E
K5	23° 43' 56.053" N	85° 4' 26.394" E	K14	23° 43' 31.696" N	85° 4' 43.979" E
K6	23° 43' 55.605" N	85° 4' 29.148" E	K15	23° 43' 31.266" N	85° 4' 29.012" E
K7	23° 43' 56.674" N	85° 4' 33.983" E	K16	23° 43' 30.509" N	85° 4' 14.522" E
K8	23° 43' 51.773" N	85° 4' 36.004" E	K17	23° 43' 41.594" N	85° 4' 14.425" E
K9	23° 43' 49.686" N	85° 4' 42.466" E	K18	23° 43' 51.139" N	85° 4' 14.421" E

Table II							
Distance & Bearing Between Forest Pillars							
Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
K1-K2	60.25	45°2848"	225°2848"	K10-K11	335.24	85°4930"	265°4930"
K2-K3	99.25	21°5234"	201°5234"	K11-K12	404.38	197°5434"	17°5434"
K3-K4	42.04	49°320"	229°320"	K12-K13	403.42	168°1547"	348°1547"
K4-K5	84.88	100°3959"	280°3959"	K13-K14	500.25	270°020"	90°020"
K5-K6	79.20	100°4812"	280°4812"	K14-K15	424.16	268°5915"	88°5915"
K6-K7	140.84	77°1553"	257°1553"	K15-K16	411.11	267°3140"	87°3140"
K7-K8	161.29	159°5857"	339°5857"	K16-K17	341.06	0°1847"	180°1847"
K8-K9	193.98	110°637"	290°637"	K17-K18	293.67	0°4528"	180°4528"
K9-K10	315.99	50°2540"	230°2540"	K18-K1	146.05	89°5026"	269°5026"

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	535, 536, 537, 538, 557, 558	Kichto	78	Tandwa	Hazaribagh	88.59	4991.77	88.59
Total						88.59	4991.77	88.59

Legend

Pillar

CA_Land

Total_Forest

Copyright in the drawing is vested in CMPDI.
Unauthorised copying or use is not permitted.

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land 384.72 Ha. against Forest Land (192.36 Ha.) in Magadh OC Project, CCL

Job No.
064319138

Subject

Plan Showing CA Land at Village- Kichto Chadar No- 2 Thana: Tandwa Thana No: 78 District: Hazaribagh

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

cmpdi

A Miniratna Company

Scale - 1:4000

Sheet No. 2 of 3

Drg No.

HQS&DIN22008G

REV. 0

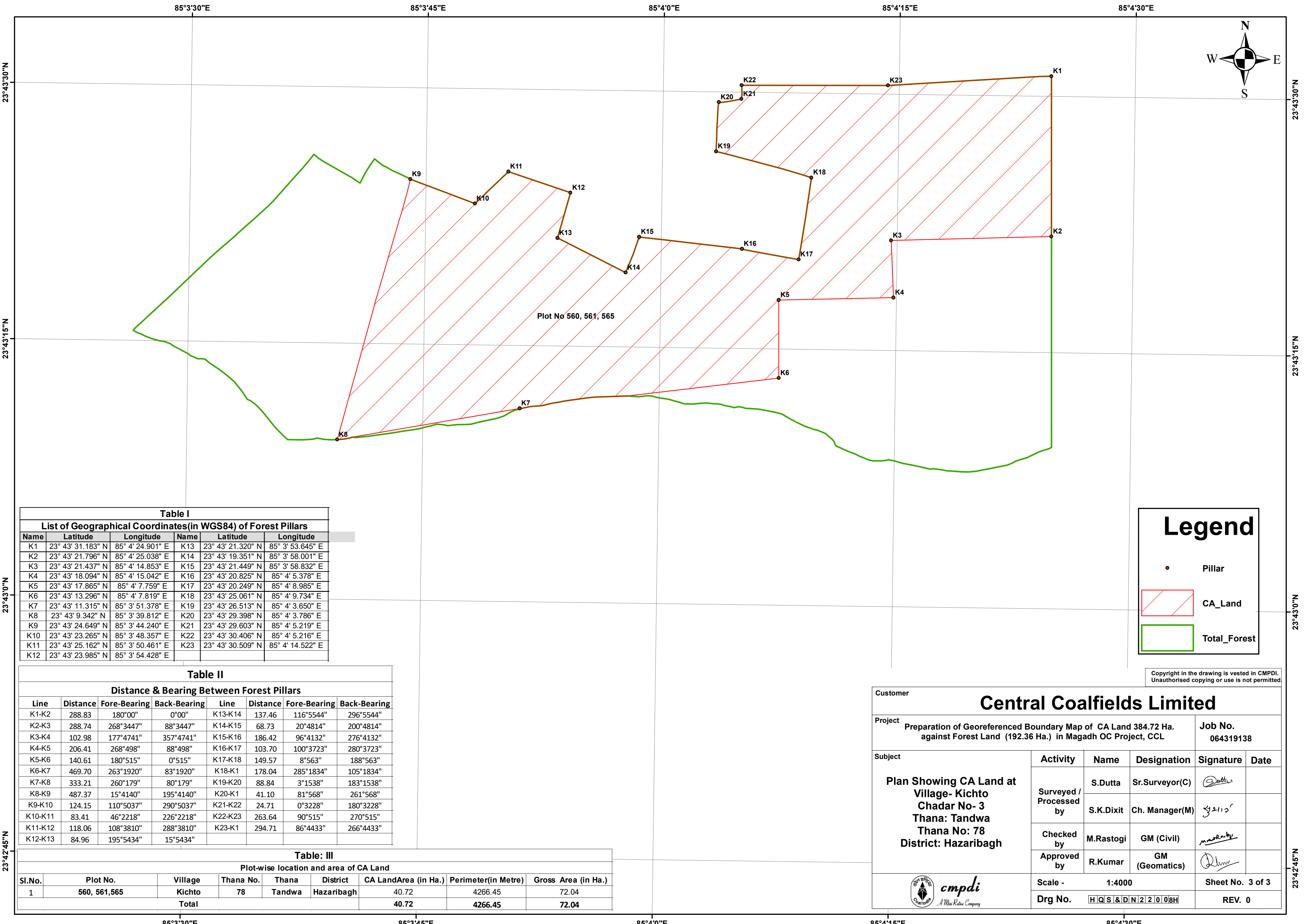


Table I					
List of Geographical Coordinates(in WGS84) of Forest Pillars					
Name	Latitude	Longitude	Name	Latitude	Longitude
K1	23° 43' 31.183" N	85° 4' 24.901" E	K13	23° 43' 21.320" N	85° 3' 53.645" E
K2	23° 43' 21.796" N	85° 4' 25.038" E	K14	23° 43' 19.351" N	85° 3' 58.001" E
K3	23° 43' 21.437" N	85° 4' 14.853" E	K15	23° 43' 21.449" N	85° 3' 58.832" E
K4	23° 43' 18.094" N	85° 4' 15.042" E	K16	23° 43' 20.825" N	85° 4' 5.378" E
K5	23° 43' 17.865" N	85° 4' 7.759" E	K17	23° 43' 20.249" N	85° 4' 8.985" E
K6	23° 43' 13.296" N	85° 4' 7.819" E	K18	23° 43' 25.061" N	85° 4' 9.734" E
K7	23° 43' 11.315" N	85° 3' 51.378" E	K19	23° 43' 26.513" N	85° 4' 3.650" E
K8	23° 43' 9.342" N	85° 3' 39.812" E	K20	23° 43' 29.398" N	85° 4' 3.786" E
K9	23° 43' 24.649" N	85° 3' 44.240" E	K21	23° 43' 29.603" N	85° 4' 5.219" E
K10	23° 43' 23.265" N	85° 3' 48.357" E	K22	23° 43' 30.406" N	85° 4' 5.216" E
K11	23° 43' 25.162" N	85° 3' 50.461" E	K23	23° 43' 30.509" N	85° 4' 14.522" E
K12	23° 43' 23.985" N	85° 3' 54.428" E			

Table II							
Distance & Bearing Between Forest Pillars							
Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
K1-K2	288.83	180°00"	0°00"	K13-K14	137.46	116°5544"	296°5544"
K2-K3	288.74	268°3447"	88°3447"	K14-K15	68.73	20°4814"	200°4814"
K3-K4	102.98	177°4741"	357°4741"	K15-K16	186.42	96°4132"	276°4132"
K4-K5	206.41	268°498"	88°498"	K16-K17	103.70	100°3723"	280°3723"
K5-K6	140.61	180°515"	0°515"	K17-K18	149.57	8°563"	188°563"
K6-K7	469.70	263°1920"	83°1920"	K18-K1	178.04	285°1834"	105°1834"
K7-K8	333.21	260°179"	80°179"	K19-K20	88.84	3°1538"	183°1538"
K8-K9	487.37	15°4140"	195°4140"	K20-K1	41.10	81°568"	261°568"
K9-K10	124.15	110°5037"	290°5037"	K21-K22	24.71	0°3228"	180°3228"
K10-K11	83.41	46°2218"	226°2218"	K22-K23	263.64	90°515"	270°515"
K11-K12	118.06	108°3810"	288°3810"	K23-K1	294.71	86°4433"	266°4433"
K12-K13	84.96	195°5434"	15°5434"				

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	560, 561,565	Kichto	78	Tandwa	Hazaribagh	40.72	4266.45	72.04
Total						40.72	4266.45	72.04

Legend

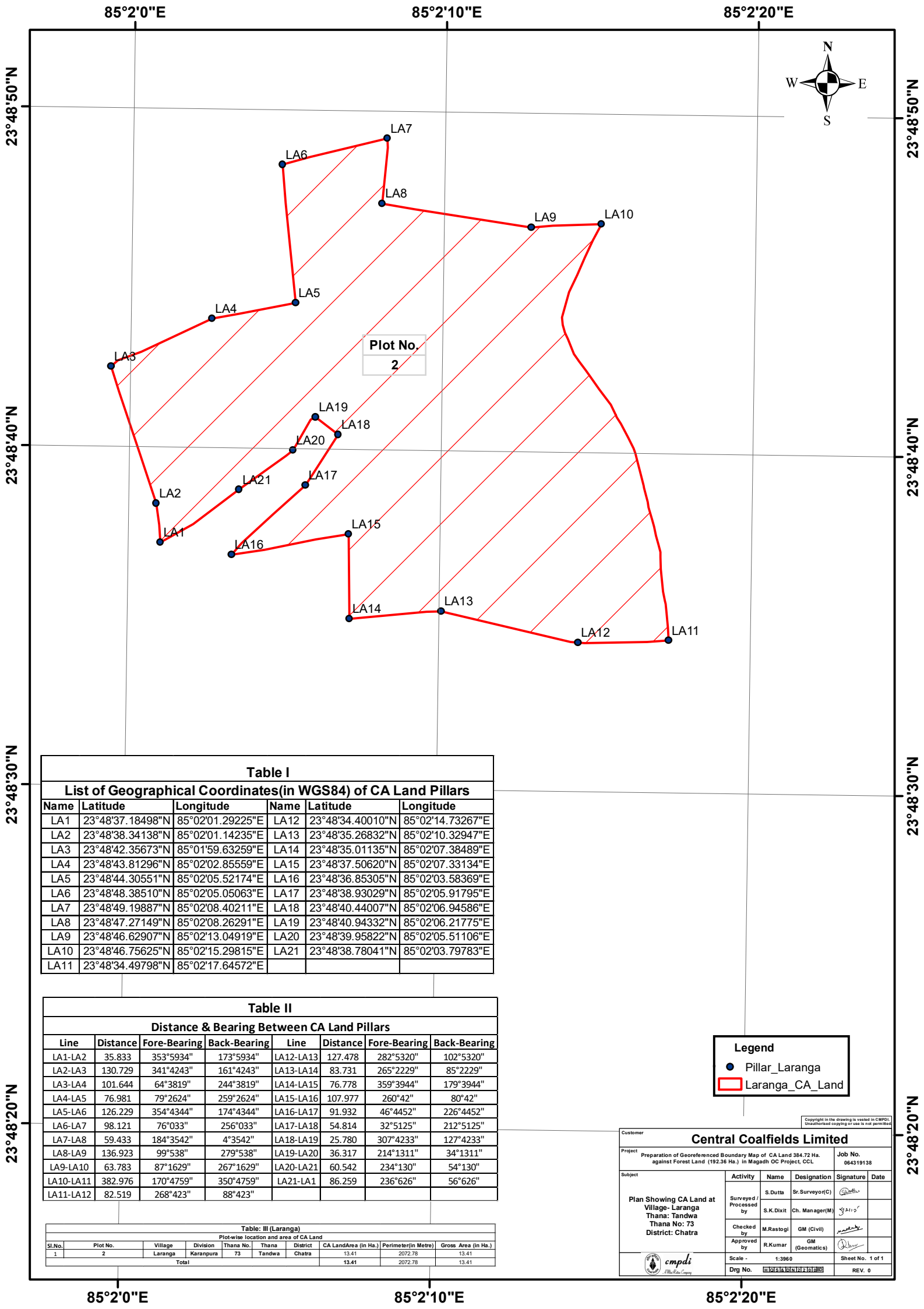
Pillar

CA_Land

Total_Forest

Copyright in the drawing is vested in CMPDL.
Unauthorised copying or use is not permitted.

Customer					
Central Coalfields Limited					
Project		Preparation of Georeferenced Boundary Map of CA Land 384.72 Ha. against Forest Land (192.36 Ha.) in Magadh OC Project, CCL			Job No. 064319138
Subject	Activity	Name	Designation	Signature	Date
	Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)		
		S.K.Dixit	Ch. Manager(M)		
	Checked by	M.Rastogi	GM (Civil)		
	Approved by	R.Kumar	GM (Geomatics)		
Plan Showing CA Land at Village- Kichto Chadar No- 3 Thana: Tandwa Thana No: 78 District: Hazaribagh		Scale - 1:4000		Sheet No. 3 of 3	
		Drg No. H Q S & D N 2 2 0 0 8 H		REV. 0	
cmpdi A Miniratna Company					



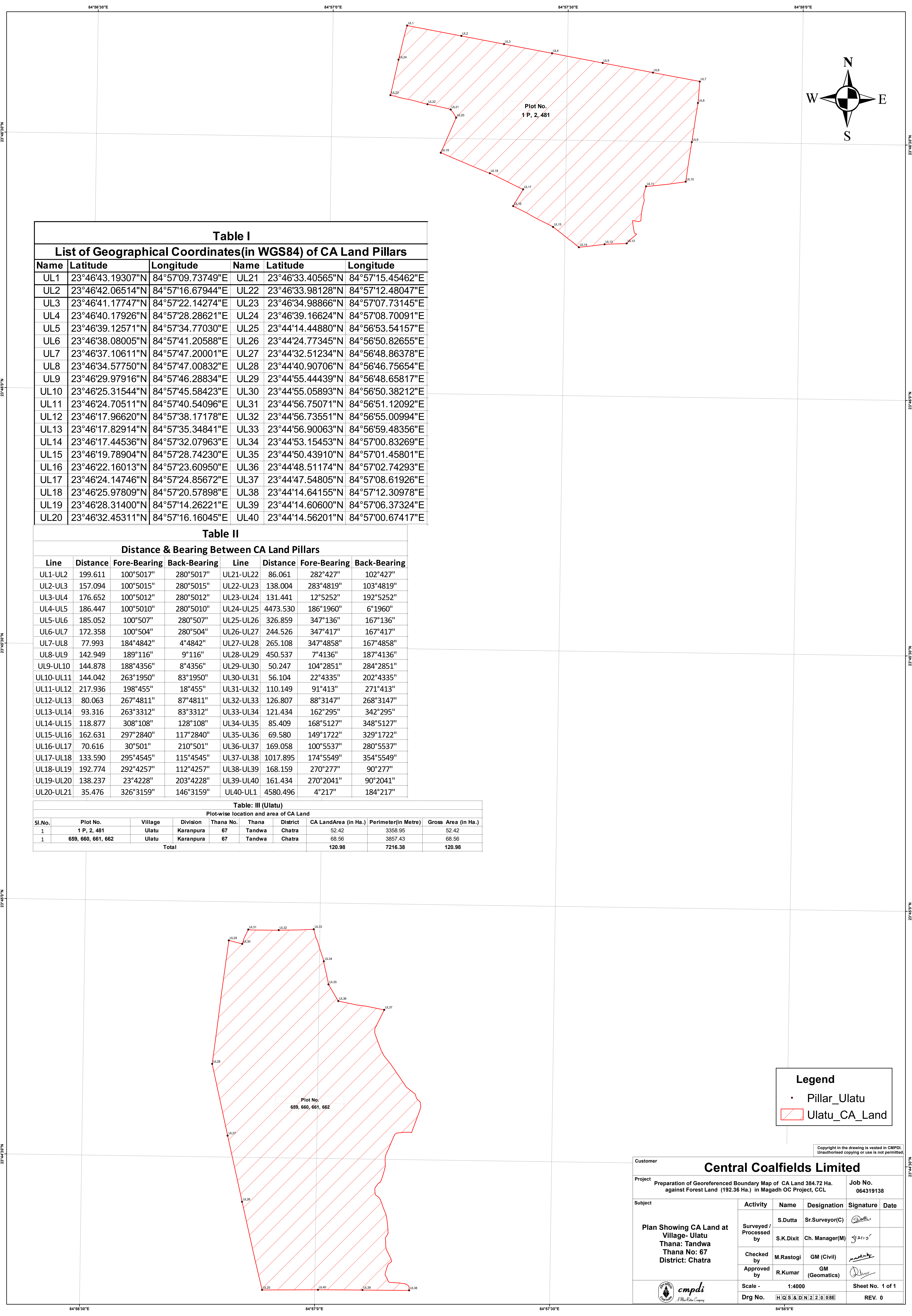


Table I					
List of Geographical Coordinates(in WGS84) of CA Land Pillars					
Name	Latitude	Longitude	Name	Latitude	Longitude
UL1	23°46'43.19307"N	84°57'09.73749"E	UL21	23°46'33.40565"N	84°57'15.45462"E
UL2	23°46'42.06514"N	84°57'16.67944"E	UL22	23°46'33.98128"N	84°57'12.48047"E
UL3	23°46'41.17747"N	84°57'22.14274"E	UL23	23°46'34.98866"N	84°57'07.73145"E
UL4	23°46'40.17926"N	84°57'28.28621"E	UL24	23°46'39.16624"N	84°57'08.70091"E
UL5	23°46'39.12571"N	84°57'34.77030"E	UL25	23°44'14.44880"N	84°56'53.54157"E
UL6	23°46'38.08005"N	84°57'41.20588"E	UL26	23°44'24.77345"N	84°56'50.82655"E
UL7	23°46'37.10611"N	84°57'47.20001"E	UL27	23°44'32.51234"N	84°56'48.86378"E
UL8	23°46'34.57750"N	84°57'47.00832"E	UL28	23°44'40.90706"N	84°56'46.75654"E
UL9	23°46'29.97916"N	84°57'46.28834"E	UL29	23°44'55.44439"N	84°56'48.65817"E
UL10	23°46'25.31544"N	84°57'45.58423"E	UL30	23°44'55.05893"N	84°56'50.38212"E
UL11	23°46'24.70511"N	84°57'40.54096"E	UL31	23°44'56.75071"N	84°56'51.12092"E
UL12	23°46'17.96620"N	84°57'38.17178"E	UL32	23°44'56.73551"N	84°56'55.00994"E
UL13	23°46'17.82914"N	84°57'35.34841"E	UL33	23°44'56.90063"N	84°56'59.48356"E
UL14	23°46'17.44536"N	84°57'32.07963"E	UL34	23°44'53.15453"N	84°57'00.83269"E
UL15	23°46'19.78904"N	84°57'28.74230"E	UL35	23°44'50.43910"N	84°57'01.45801"E
UL16	23°46'22.16013"N	84°57'23.60950"E	UL36	23°44'48.51174"N	84°57'02.74293"E
UL17	23°46'24.14746"N	84°57'24.85672"E	UL37	23°44'47.54805"N	84°57'08.61926"E
UL18	23°46'25.97809"N	84°57'20.57898"E	UL38	23°44'14.64155"N	84°57'12.30978"E
UL19	23°46'28.31400"N	84°57'14.26221"E	UL39	23°44'14.60600"N	84°57'06.37324"E
UL20	23°46'32.45311"N	84°57'16.16045"E	UL40	23°44'14.56201"N	84°57'00.67417"E

Table II							
Distance & Bearing Between CA Land Pillars							
Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
UL1-UL2	199.611	100°5017"	280°5017"	UL21-UL22	86.061	282°427"	102°427"
UL2-UL3	157.094	100°5015"	280°5015"	UL22-UL23	138.004	283°4819"	103°4819"
UL3-UL4	176.652	100°5012"	280°5012"	UL23-UL24	131.441	12°5252"	192°5252"
UL4-UL5	186.447	100°5010"	280°5010"	UL24-UL25	4473.530	186°1960"	6°1960"
UL5-UL6	185.052	100°507"	280°507"	UL25-UL26	326.859	347°136"	167°136"
UL6-UL7	172.358	100°504"	280°504"	UL26-UL27	244.526	347°417"	167°417"
UL7-UL8	77.993	184°4842"	4°4842"	UL27-UL28	265.108	347°4858"	167°4858"
UL8-UL9	142.949	189°116"	9°116"	UL28-UL29	450.537	7°4136"	187°4136"
UL9-UL10	144.878	188°4356"	8°4356"	UL29-UL30	50.247	104°2851"	284°2851"
UL10-UL11	144.042	263°1950"	83°1950"	UL30-UL31	56.104	22°4335"	202°4335"
UL11-UL12	217.936	198°455"	18°455"	UL31-UL32	110.149	91°413"	271°413"
UL12-UL13	80.063	267°4811"	87°4811"	UL32-UL33	126.807	88°3147"	268°3147"
UL13-UL14	93.316	263°3312"	83°3312"	UL33-UL34	121.434	162°295"	342°295"
UL14-UL15	118.877	308°108"	128°108"	UL34-UL35	85.409	168°5127"	348°5127"
UL15-UL16	162.631	297°2840"	117°2840"	UL35-UL36	69.580	149°1722"	329°1722"
UL16-UL17	70.616	30°501"	210°501"	UL36-UL37	169.058	100°5537"	280°5537"
UL17-UL18	133.590	295°4545"	115°4545"	UL37-UL38	1017.895	174°5549"	354°5549"
UL18-UL19	192.774	292°4257"	112°4257"	UL38-UL39	168.159	270°277"	90°277"
UL19-UL20	138.237	23°4228"	203°4228"	UL39-UL40	161.434	270°2041"	90°2041"
UL20-UL21	35.476	326°3159"	146°3159"	UL40-UL1	4580.496	4°217"	184°217"

Table: III (Ulatu)									
Plot-wise location and area of CA Land									
Sl.No.	Plot No.	Village	Division	Thana No.	Thana	District	CA LandArea (in Ha.)	Perimeter(in Metre)	Gross Area (in Ha.)
1	1 P, 2, 481	Ulatu	Karanpura	67	Tandwa	Chatra	52.42	3358.95	52.42
1	659, 660, 661, 662	Ulatu	Karanpura	67	Tandwa	Chatra	68.56	3857.43	68.56
Total							120.98	7216.38	120.98

Legend

Pillar_Ulatu

Ulatu_CA_Land

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land 384.72 Ha. against Forest Land (192.36 Ha.) in Magadh OC Project, CCL

Job No.
064319138

Subject

Plan Showing CA Land at Village- Ulatu Thana: Tandwa Thana No: 67 District: Chatra

Activity

Name

S.Dutta

Sr.Surveyor(C)

Surveyed / Processed by

S.K.Dixit

Ch. Manager(M)

Checked by

M.Rastogi

GM (Civil)

Approved by

R.Kumar

GM (Geomatics)

Scale -

1:4000

Sheet No. 1 of 1

Drg No.

H Q S I & D N 2 2 0 0 8 E

REV. 0

cmpdi

A Tata Consultancy Company

Copyright in the drawing is vested in CMPDI. Unauthorised copying or use is not permitted.

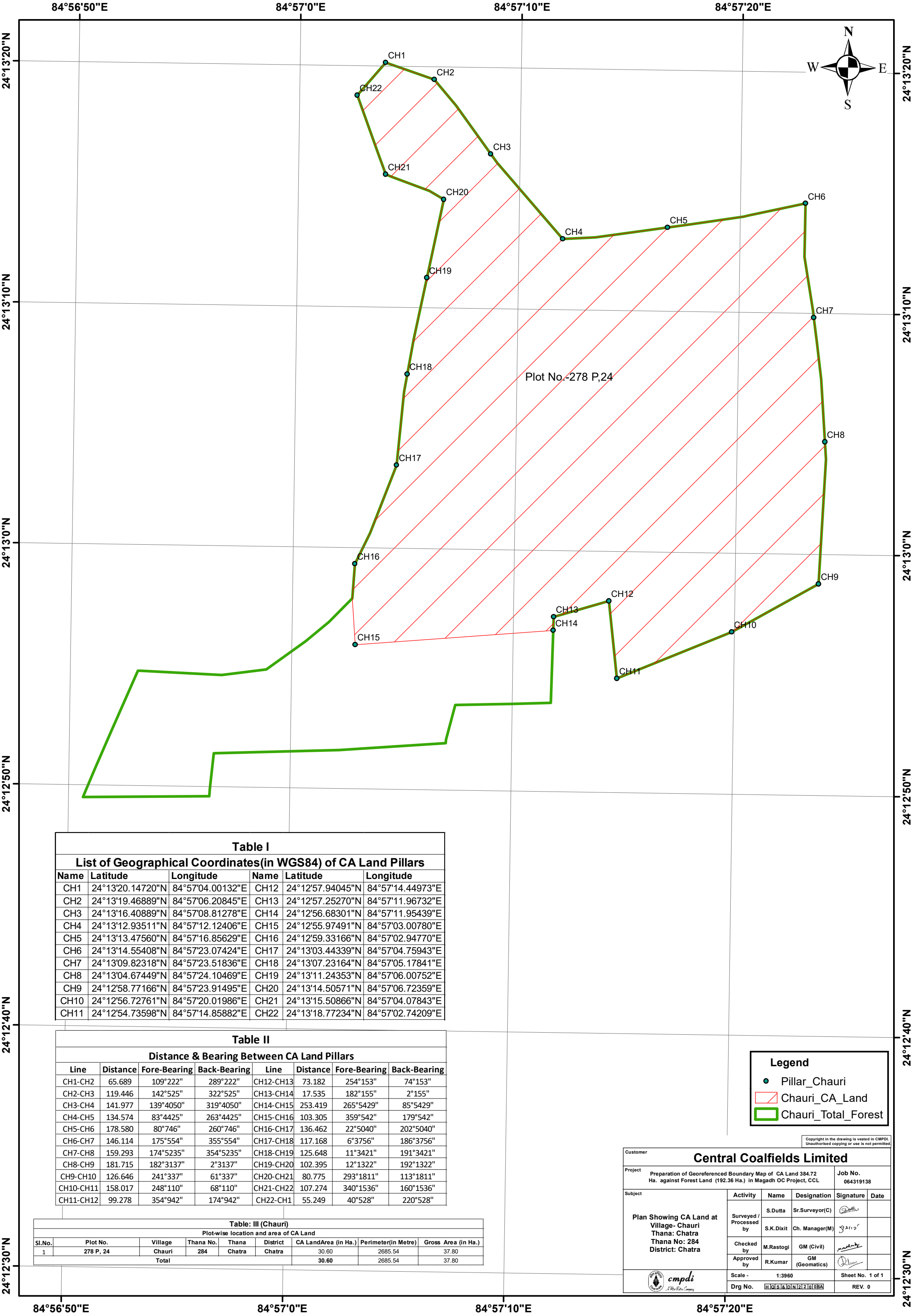


Table I					
List of Geographical Coordinates(in WGS84) of CA Land Pillars					
Name	Latitude	Longitude	Name	Latitude	Longitude
CH1	24°13'20.14720"N	84°57'04.00132"E	CH12	24°12'57.94045"N	84°57'14.44973"E
CH2	24°13'19.46889"N	84°57'06.20845"E	CH13	24°12'57.25270"N	84°57'11.96732"E
CH3	24°13'16.40889"N	84°57'08.81278"E	CH14	24°12'56.68301"N	84°57'11.95439"E
CH4	24°13'12.93511"N	84°57'12.12406"E	CH15	24°12'55.97491"N	84°57'03.00780"E
CH5	24°13'13.47560"N	84°57'16.85629"E	CH16	24°12'59.33166"N	84°57'02.94770"E
CH6	24°13'14.55408"N	84°57'23.07424"E	CH17	24°13'03.44339"N	84°57'04.75943"E
CH7	24°13'09.82318"N	84°57'23.51836"E	CH18	24°13'07.23164"N	84°57'05.17841"E
CH8	24°13'04.67449"N	84°57'24.10469"E	CH19	24°13'11.24353"N	84°57'06.00752"E
CH9	24°12'58.77166"N	84°57'23.91495"E	CH20	24°13'14.50571"N	84°57'06.72359"E
CH10	24°12'56.72761"N	84°57'20.01986"E	CH21	24°13'15.50866"N	84°57'04.07843"E
CH11	24°12'54.73598"N	84°57'14.85882"E	CH22	24°13'18.77234"N	84°57'02.74209"E

Table II							
Distance & Bearing Between CA Land Pillars							
Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
CH1-CH2	65.689	109°222"	289°222"	CH12-CH13	73.182	254°153"	74°153"
CH2-CH3	119.446	142°525"	322°525"	CH13-CH14	17.535	182°155"	2°155"
CH3-CH4	141.977	139°4050"	319°4050"	CH14-CH15	253.419	265°5429"	85°5429"
CH4-CH5	134.574	83°4425"	263°4425"	CH15-CH16	103.305	359°542"	179°542"
CH5-CH6	178.580	80°746"	260°746"	CH16-CH17	136.462	22°5040"	202°5040"
CH6-CH7	146.114	175°554"	355°554"	CH17-CH18	117.168	6°3756"	186°3756"
CH7-CH8	159.293	174°5235"	354°5235"	CH18-CH19	125.648	11°3421"	191°3421"
CH8-CH9	181.715	182°3137"	2°3137"	CH19-CH20	102.395	12°1322"	192°1322"
CH9-CH10	126.646	241°337"	61°337"	CH20-CH21	80.775	293°1811"	113°1811"
CH10-CH11	158.017	248°110"	68°110"	CH21-CH22	107.274	340°1536"	160°1536"
CH11-CH12	99.278	354°942"	174°942"	CH22-CH1	55.249	40°528"	220°528"

Table: III (Chauri)							
Plot-wise location and area of CA Land							
Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA LandArea (in Ha.)	Gross Area (in Ha.)
1	278 P, 24	Chauri	284	Chatra	Chatra	30.60	37.80
Total						30.60	37.80

Legend

Pillar_Chauri

Chauri_CA_Land

Chauri_Total_Forest

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land 384.72 Ha. against Forest Land (192.36 Ha.) in Magadh OC Project, CCL

Job No.
064319138

Subject

Plan Showing CA Land at Village- Chauri Thana: Chatra Thana No: 284 District: Chatra

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

cmpdi
A Wholly Owned Company

Scale - 1:3960

Drng No. H/LS&D/N/2/2019/08A

Sheet No. 1 of 1

REV. 0

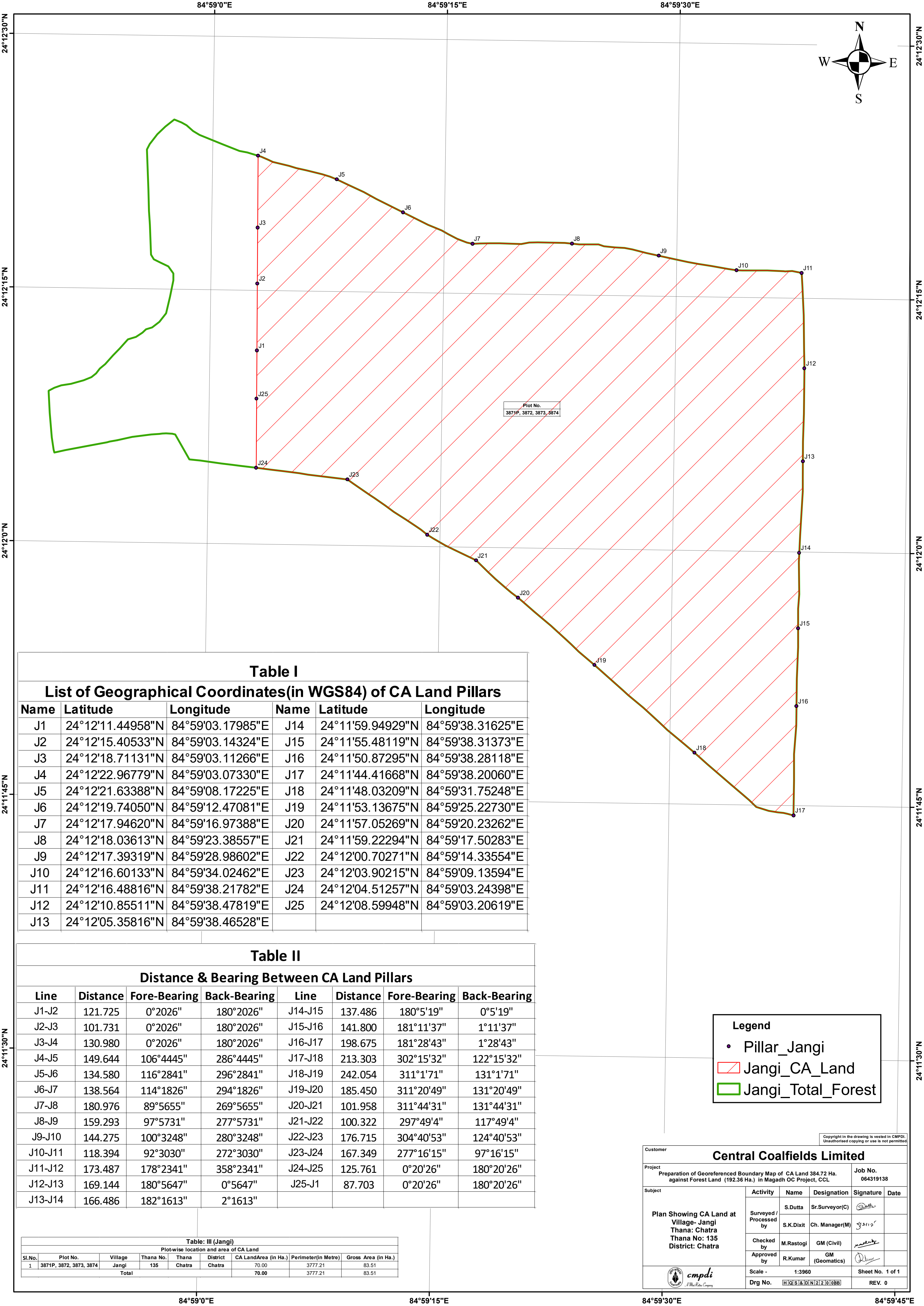


Table I

List of Geographical Coordinates(in WGS84) of CA Land Pillars

Name	Latitude	Longitude	Name	Latitude	Longitude
J1	24°12'11.44958"N	84°59'03.17985"E	J14	24°11'59.94929"N	84°59'38.31625"E
J2	24°12'15.40533"N	84°59'03.14324"E	J15	24°11'55.48119"N	84°59'38.31373"E
J3	24°12'18.71131"N	84°59'03.11266"E	J16	24°11'50.87295"N	84°59'38.28118"E
J4	24°12'22.96779"N	84°59'03.07330"E	J17	24°11'44.41668"N	84°59'38.20060"E
J5	24°12'21.63388"N	84°59'08.17225"E	J18	24°11'48.03209"N	84°59'31.75248"E
J6	24°12'19.74050"N	84°59'12.47081"E	J19	24°11'53.13675"N	84°59'25.22730"E
J7	24°12'17.94620"N	84°59'16.97388"E	J20	24°11'57.05269"N	84°59'20.23262"E
J8	24°12'18.03613"N	84°59'23.38557"E	J21	24°11'59.22294"N	84°59'17.50283"E
J9	24°12'17.39319"N	84°59'28.98602"E	J22	24°12'00.70271"N	84°59'14.33554"E
J10	24°12'16.60133"N	84°59'34.02462"E	J23	24°12'03.90215"N	84°59'09.13594"E
J11	24°12'16.48816"N	84°59'38.21782"E	J24	24°12'04.51257"N	84°59'03.24398"E
J12	24°12'10.85511"N	84°59'38.47819"E	J25	24°12'08.59948"N	84°59'03.20619"E
J13	24°12'05.35816"N	84°59'38.46528"E			

Table II

Distance & Bearing Between CA Land Pillars

Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
J1-J2	121.725	0°20'26"	180°20'26"	J14-J15	137.486	180°5'19"	0°5'19"
J2-J3	101.731	0°20'26"	180°20'26"	J15-J16	141.800	181°11'37"	1°11'37"
J3-J4	130.980	0°20'26"	180°20'26"	J16-J17	198.675	181°28'43"	1°28'43"
J4-J5	149.644	106°44'45"	286°44'45"	J17-J18	213.303	302°15'32"	122°15'32"
J5-J6	134.580	116°28'41"	296°28'41"	J18-J19	242.054	311°1'71"	131°1'71"
J6-J7	138.564	114°18'26"	294°18'26"	J19-J20	185.450	311°20'49"	131°20'49"
J7-J8	180.976	89°56'55"	269°56'55"	J20-J21	101.958	311°44'31"	131°44'31"
J8-J9	159.293	97°57'31"	277°57'31"	J21-J22	100.322	297°49'4"	117°49'4"
J9-J10	144.275	100°32'48"	280°32'48"	J22-J23	176.715	304°40'53"	124°40'53"
J10-J11	118.394	92°30'30"	272°30'30"	J23-J24	167.349	277°16'15"	97°16'15"
J11-J12	173.487	178°23'41"	358°23'41"	J24-J25	125.761	0°20'26"	180°20'26"
J12-J13	169.144	180°56'47"	0°56'47"	J25-J1	87.703	0°20'26"	180°20'26"
J13-J14	166.486	182°16'13"	2°16'13"				

Table: III (Jangi)								
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	3871P, 3872, 3873, 3874	Jangi	135	Chatra	Chatra	70.00	3777.21	83.51
Total						70.00	3777.21	83.51

Legend

Pillar_Jangi

Jangi_CA_Land

Jangi_Total_Forest

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land 384.72 Ha. against Forest Land (192.36 Ha.) in Magadh OC Project, CCL

Job No.

064319138

Subject

Plan Showing CA Land at Village- Jangi Thana: Chatra Thana No: 135 District: Chatra

Activity

Name

Designation

Signature

Date

Surveyed / Processed by

S.Dutta

Sr.Surveyor(C)

Checked by

S.K.Dixit

Ch. Manager(M)

Approved by

M.Rastogi

GM (Civil)

R.Kumar

GM (Geomatics)

cmpdi
A Wha-Rata Company

Scale -

1:3960

Drq No.

H|Q|S|&|D|N|Z|Z|0|0|B|B|

Sheet No. 1 of 1

REV. 0

84°59'15"E

84°59'30"E

84°59'45"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)
1	32P,33,34	Pokla Alias Kasidih	34	Tandwa	Chatra	40.00	4792.89
Total						40.00	4792.89
							54.30
							54.30



23°55'0"N

23°55'0"N

23°54'45"N

23°54'45"N

23°54'30"N

23°54'30"N

Table: I

List of Geographical Co-ordinates (in WGS 84) of Pillars Along CA Land Pokla Alias Kasidih Mouza

Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
P1	23° 55' 4.356" N	84° 59' 21.496" E	P10	23° 54' 36.952" N	84° 59' 52.887" E
P2	23° 55' 2.864" N	84° 59' 28.457" E	P11	23° 54' 39.380" N	84° 59' 49.228" E
P3	23° 55' 1.635" N	84° 59' 35.021" E	P12	23° 54' 41.525" N	84° 59' 42.976" E
P4	23° 55' 0.745" N	84° 59' 40.498" E	P13	23° 54' 45.968" N	84° 59' 32.318" E
P5	23° 54' 56.577" N	84° 59' 41.698" E	P14	23° 54' 45.339" N	84° 59' 28.727" E
P6	23° 54' 50.502" N	84° 59' 40.363" E	P15	23° 54' 44.133" N	84° 59' 21.748" E
P7	23° 54' 50.728" N	84° 59' 42.858" E	P16	23° 54' 50.579" N	84° 59' 21.631" E
P8	23° 54' 51.074" N	84° 59' 47.953" E	P17	23° 54' 57.233" N	84° 59' 21.594" E
P9	23° 54' 44.410" N	84° 59' 53.195" E			

Table: II

Distance and Bearing Between Pillars Along CA Land Pokla Alias Kasidih Mouza

Traverse Line	Distance	Fore Bearing	Back bearing	Traverse Line	Distance	Fore Bearing	Back bearing
P1-P2	202.19	103°56'20"	283°56'20"	P10-P11	127.64	106°38'19"	126°38'19"
P2-P3	189.47	102°19'21"	282°19'21"	P11-P12	188.78	291°16'28"	111°16'28"
P3-P4	157.32	100°50'47"	280°50'47"	P12-P13	331.01	295°12'23"	115°12'23"
P4-P5	132.66	165°58'54"	345°58'54"	P13-P14	103.41	260°21'18"	80°21'18"
P5-P6	190.70	192°13'53"	12°13'53"	P14-P15	200.88	260°9'54"	80°9'54"
P6-P7	70.89	85°10'59"	265°10'59"	P15-P16	198.38	359°51'46"	179°51'46"
P7-P8	144.52	86°35'16"	266°35'16"	P16-P17	204.74	0°31'26"	180°31'26"
P8-P9	253.05	144°56'18"	324°56'18"	P17-P1	219.18	0°58"	180°58"
P9-P10	229.65	182°59'18"	2°59'18"				

सहा जालम असारी, (क.व.क.)
वन प्रमोशन कर्मचारी,
मगध प्रदेस

SADALA SATYANARAYAN
PROJECT OFFICER
MAGADH OCP

Copyright in the drawing is vested in CMPDL.
Unauthorized copying or use is not permitted.

Legend

● PILLAR

CA LAND

FOREST BOUNDARY

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land 384.72 Ha. against Forest Land (192.36 Ha.) in Magadh OC Project, CCL

Job No.

064319138

Subject

Plan Showing CA Land at
Village- Pokla Alias Kasidih
Chadar No- 1
Thana: Tandwa
Thana No:34
District: Chatra

Activity

Name

Designation

Signature

Date

Surveyed /
Processed
by

S.Dutta

Sr.Surveyor(C)

12.7.23

Checked
by

A.K Suman

Ch. Manager(M)

12.7.23

Approved
by

M.Rastogi

GM (Civil)

12.7.23

Scale -

1:4000

Sheet No. 1 of 1

Drg No.

HQS&DN23077

REV. 0



84°59'15"E

84°59'30"E

84°59'45"E

23°54'15"N