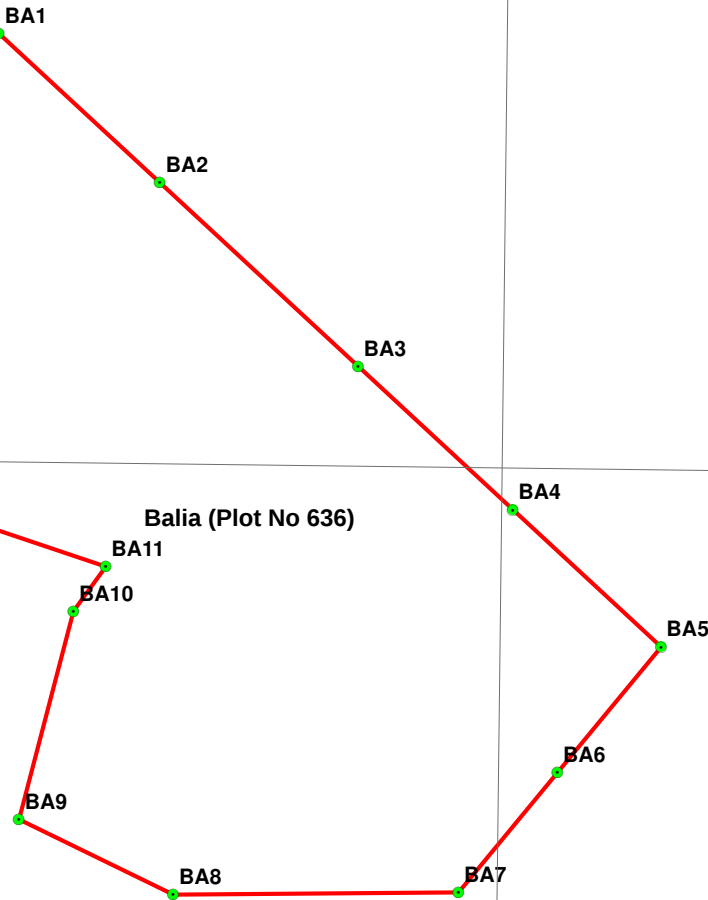
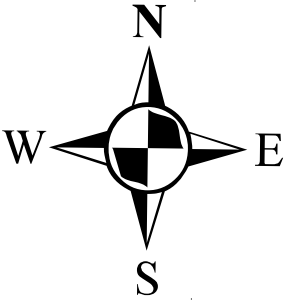


Table:I		
List of Geographical Co-ordinates (in WGS 84)		
of Pillars Along CA Land (Village-Balia)		
Name	WGS84 Latitude	WGS84 Longitude
BA1	24°18'27.37130"N	85°18'10.51231"E
BA2	24°18'24.83842"N	85°18'13.56774"E
BA3	24°18'21.71958"N	85°18'17.33000"E
BA4	24°18'19.28625"N	85°18'20.26524"E
BA5	24°18'16.95653"N	85°18'23.07544"E
BA6	24°18'14.77952"N	85°18'21.16173"E
BA7	24°18'12.69655"N	85°18'19.33068"E
BA8	24°18'12.59637"N	85°18'13.98262"E
BA9	24°18'13.85963"N	85°18'11.07041"E
BA10	24°18'17.45202"N	85°18'12.04306"E
BA11	24°18'18.22553"N	85°18'12.64095"E
BA12	24°18'19.84565"N	85°18'07.15774"E
BA13	24°18'22.41069"N	85°18'06.20471"E
BA14	24°18'24.75817"N	85°18'07.80369"E

Table-II			
Distance and Bearing between Pillars Along CA Land (Village-Balia)			
Traverse Line	Distance	Fore Bearing	Back bearing
BA1-BA2	116.166	132°49'45"	312°49'45"
BA2-BA3	143.042	132°49'45"	312°49'45"
BA3-BA4	111.599	132°49'45"	312°49'45"
BA4-BA5	106.846	132°49'45"	312°49'45"
BA5-BA6	86.011	219°33'12"	39°33'12"
BA6-BA7	82.295	219°33'12"	39°33'12"
BA7-BA8	150.830	269°31'39"	89°31'39"
BA8-BA9	90.848	296°1'37"	116°1'37"
BA9-BA10	113.877	14°38'5"	194°38'5"
BA10-BA11	29.163	36°0'43"	216°0'43"
BA11-BA12	162.443	288°34'6"	108°34'6"
BA12-BA13	83.367	341°53'40"	161°53'40"
BA13-BA14	85.140	32°40'26"	212°40'26"
BA14-BA1	110.888	44°13'41"	224°13'41"

Table: III						
Plot-wise location and area of CA Land						
Sl.No.	Plot No.	Village	Thana	Thana No.	District	Area (in Ha.)
1	636	Balia	Itkhor	211	Chatra	10.97
Total						10.97



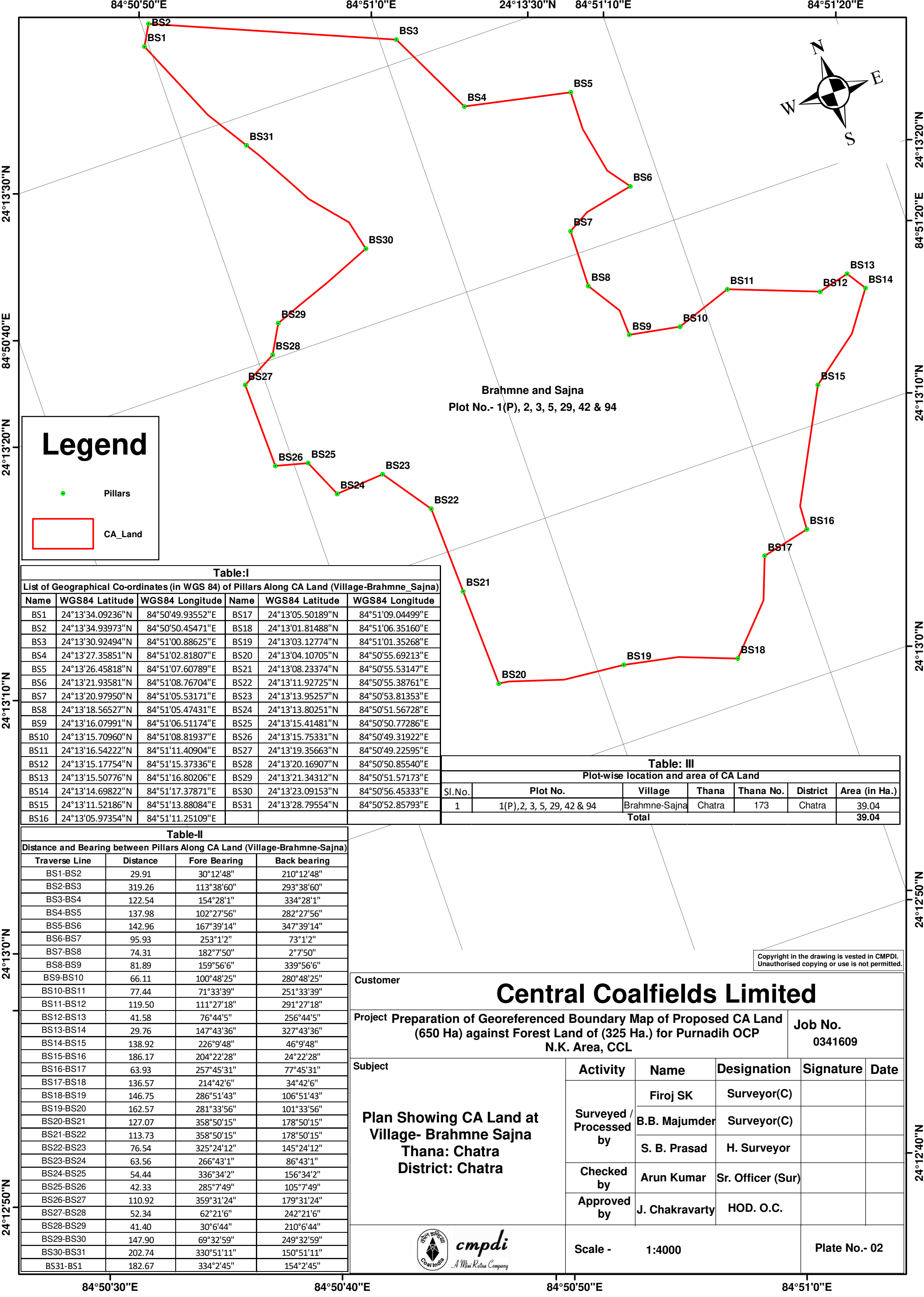
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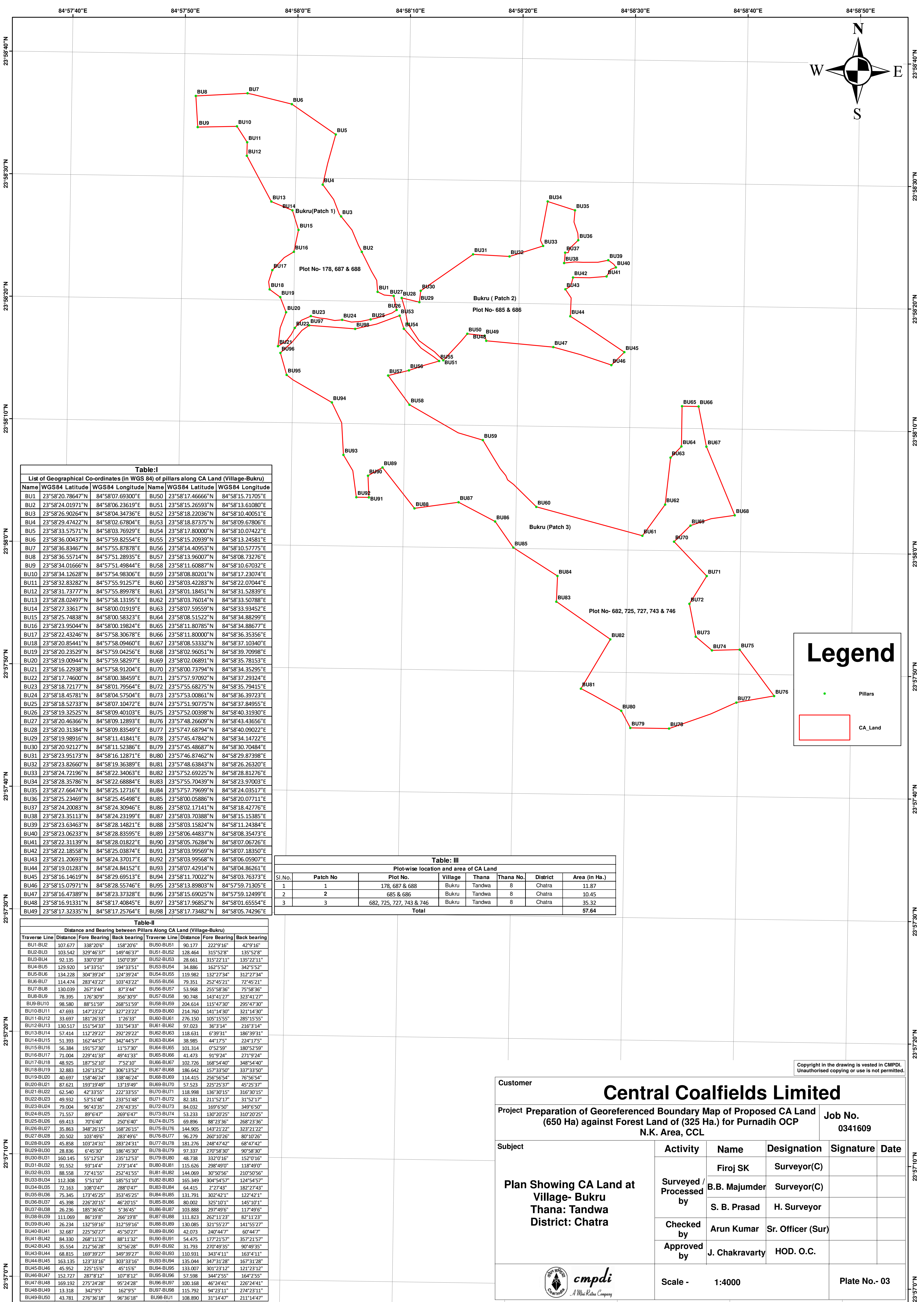
Customer						
Central Coalfields Limited						
Project Preparation of Georeferenced Boundary Map of Proposed CA Land (650 Ha) against Forest Land of (325 Ha.) for Purnadih OCP N.K. Area, CCL				Job No. 0341609		
Subject Plan Showing CA Land at Village- Balia Thana: Itkhor District: Chatra		Activity	Name	Designation	Signature	Date
		Surveyed / Processed by	Firoj SK	Surveyor(C)		
			B.B. Majumder	Surveyor(C)		
			S. B. Prasad	H. Surveyor		
		Checked by	Arun Kumar	Sr. Officer (Sur)		
Approved by	J. Chakravarty	HOD. O.C.				
 cmpdi <i>A Mini Ratna Company</i>		Scale - 1:4000		Plate No. 01		

Legend

Pillars

CA_Land





List of Geographical Co-ordinates (in WGS 84) of pillars along CA Land (Village-Chatra_Pakaria)					
Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
CP1	24°13'32.70502"N	84°52'52.43373"E	CP16	24°13'35.05109"N	84°52'19.92717"E
CP2	24°13'42.69682"N	84°52'48.91410"E	CP17	24°13'28.09402"N	84°52'20.66246"E
CP3	24°13'51.37470"N	84°52'45.85718"E	CP18	24°13'28.20769"N	84°52'22.87524"E
CP4	24°13'52.55837"N	84°52'44.23216"E	CP19	24°13'26.06811"N	84°52'23.23868"E
CP5	24°13'52.16488"N	84°52'39.39354"E	CP20	24°13'24.25528"N	84°52'24.53956"E
CP6	24°13'47.57839"N	84°52'32.90300"E	CP21	24°13'19.73196"N	84°52'24.24536"E
CP7	24°13'40.94164"N	84°52'33.01135"E	CP22	24°13'21.71813"N	84°52'29.14878"E
CP8	24°13'34.69169"N	84°52'32.71769"E	CP23	24°13'21.23030"N	84°52'35.33552"E
CP9	24°13'33.56951"N	84°52'31.51122"E	CP24	24°13'19.64672"N	84°52'39.24798"E
CP10	24°13'32.61024"N	84°52'27.56623"E	CP25	24°13'16.14721"N	84°52'35.66192"E
CP11	24°13'35.57440"N	84°52'24.40743"E	CP26	24°13'14.70285"N	84°52'36.80302"E
CP12	24°13'38.61817"N	84°52'22.33167"E	CP27	24°13'17.48439"N	84°52'43.79576"E
CP13	24°13'36.30809"N	84°52'15.16697"E	CP28	24°13'22.92464"N	84°52'47.49318"E
CP14	24°13'35.42071"N	84°52'16.10134"E	CP29	24°13'28.44860"N	84°52'50.58242"E
CP15	24°13'36.21350"N	84°52'19.11179"E			

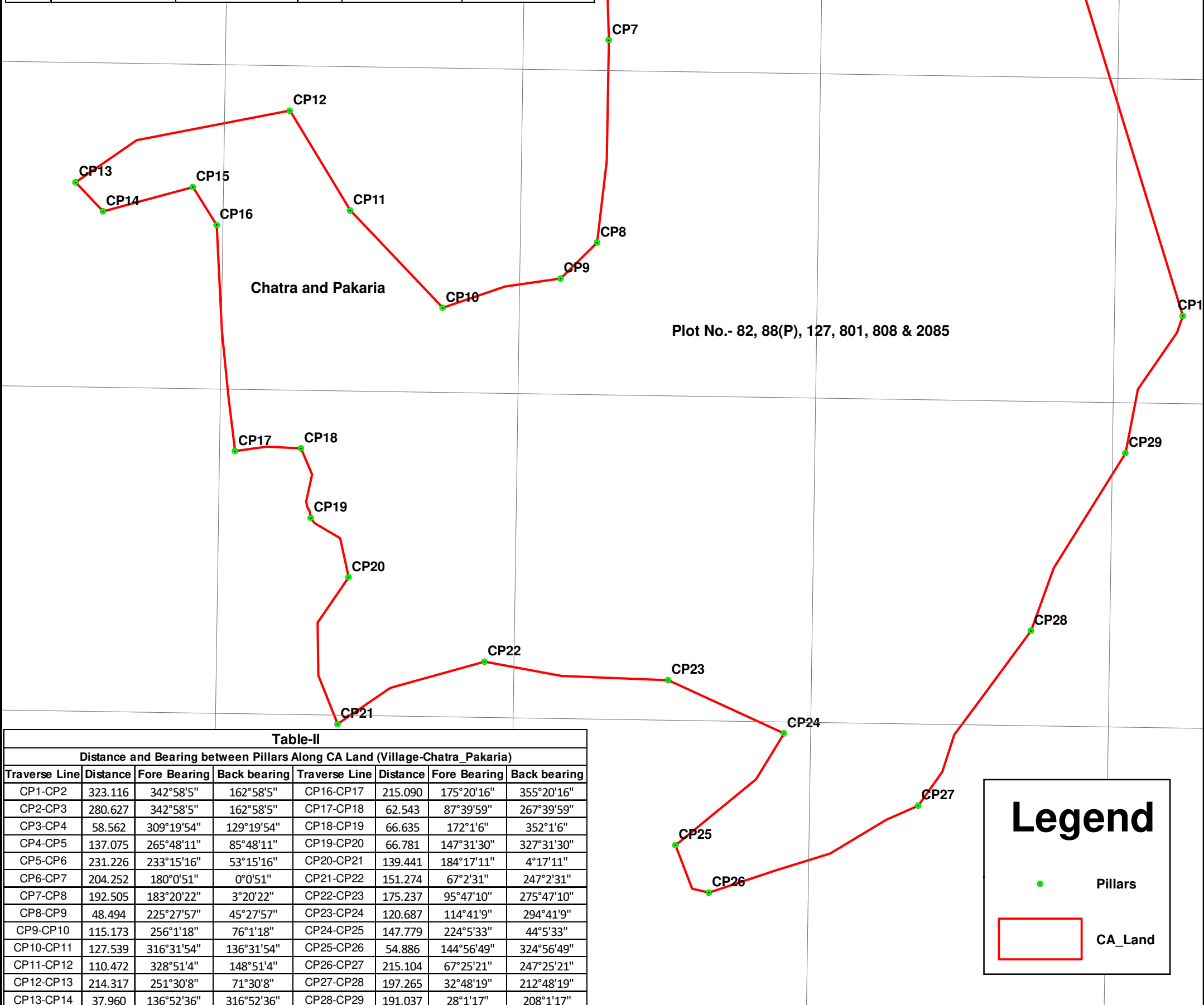
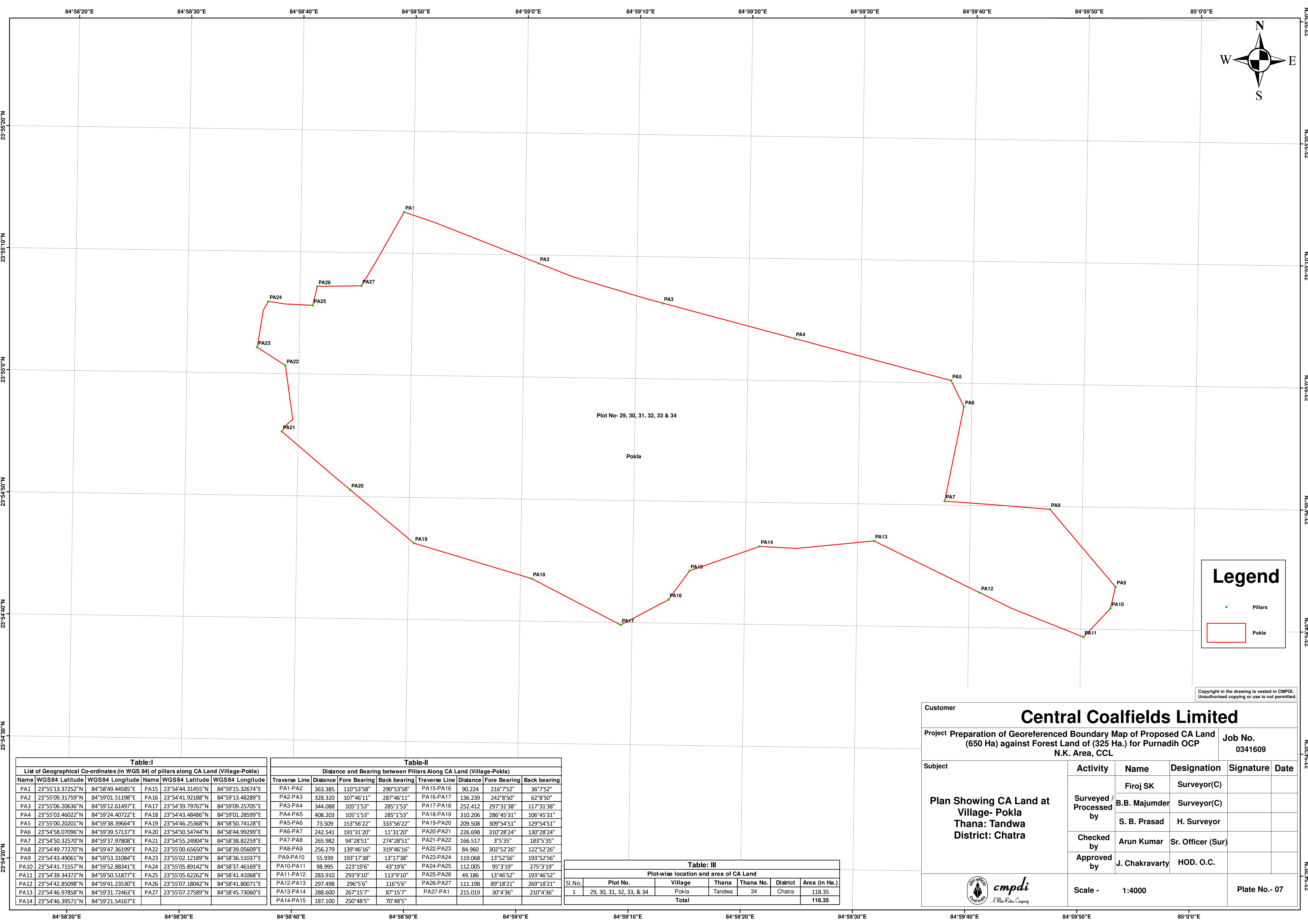


Table-II							
Distance and Bearing between Pillars Along CA Land (Village-Chatra_Pakaria)							
Traverse Line	Distance	Fore Bearing	Back bearing	Traverse Line	Distance	Fore Bearing	Back bearing
CP1-CP2	323.116	342°58'5"	162°58'5"	CP16-CP17	215.090	175°20'16"	355°20'16"
CP2-CP3	280.627	342°58'5"	162°58'5"	CP17-CP18	62.543	87°39'59"	267°39'59"
CP3-CP4	58.562	309°19'54"	129°19'54"	CP18-CP19	66.635	172°1'6"	352°1'6"
CP4-CP5	137.075	265°48'11"	85°48'11"	CP19-CP20	66.781	147°31'30"	327°31'30"
CP5-CP6	231.226	233°15'16"	53°15'16"	CP20-CP21	139.441	184°17'11"	4°17'11"
CP6-CP7	204.252	180°0'51"	0°0'51"	CP21-CP22	151.274	67°2'31"	247°2'31"
CP7-CP8	192.505	183°20'22"	3°20'22"	CP22-CP23	175.237	95°47'10"	275°47'10"
CP8-CP9	48.494	225°27'57"	45°27'57"	CP23-CP24	120.687	114°41'9"	294°41'9"
CP9-CP10	115.173	256°1'18"	76°1'18"	CP24-CP25	147.779	224°5'33"	44°5'33"
CP10-CP11	127.539	316°31'54"	136°31'54"	CP25-CP26	54.886	144°56'49"	324°56'49"
CP11-CP12	110.472	328°51'4"	148°51'4"	CP26-CP27	215.104	67°25'21"	247°25'21"
CP12-CP13	214.317	251°30'8"	71°30'8"	CP27-CP28	197.265	32°48'19"	212°48'19"
CP13-CP14	37.960	136°52'36"	316°52'36"	CP28-CP29	191.037	28°1'17"	208°1'17"
CP14-CP15	88.387	74°51'2"	254°51'2"	CP29-CP1	141.015	22°36'55"	202°36'55"
CP15-CP16	42.533	148°7'16"	328°7'16"				

Table: III						
Plot-wise location and area of CA Land						
Sl.No.	Plot No.	Village	Thana	Thana No.	District	Area (in Ha.)
1	82, 88(P), 127, 801, 808 & 2085	Chatra- Pakari	Chatra	175	Chatra	59.79
Total						59.79

Customer							Central Coalfields Limited		
Project Preparation of Georeferenced Boundary Map of Proposed CA Land (650 Ha) against Forest Land of (325 Ha.) for Purnadih OCP N.K. Area, CCL						Job No. 0341609			
Subject Plan Showing CA Land at Village- Chatra - Pakaria Thana: Chatra District: Chatra		Activity	Name	Designation	Signature	Date			
		Surveyed / Processed by	Firoj SK	Surveyor(C)					
			B.B. Majumder	Surveyor(C)					
			S. B. Prasad	H. Surveyor					
		Checked by	Arun Kumar	Sr. Officer (Sur)					
		Approved by	J. Chakravarty	HOD. O.C.					
 cmpdi <i>A Mini Ratna Company</i>		Scale - 1:4000			Plate No.- 04				





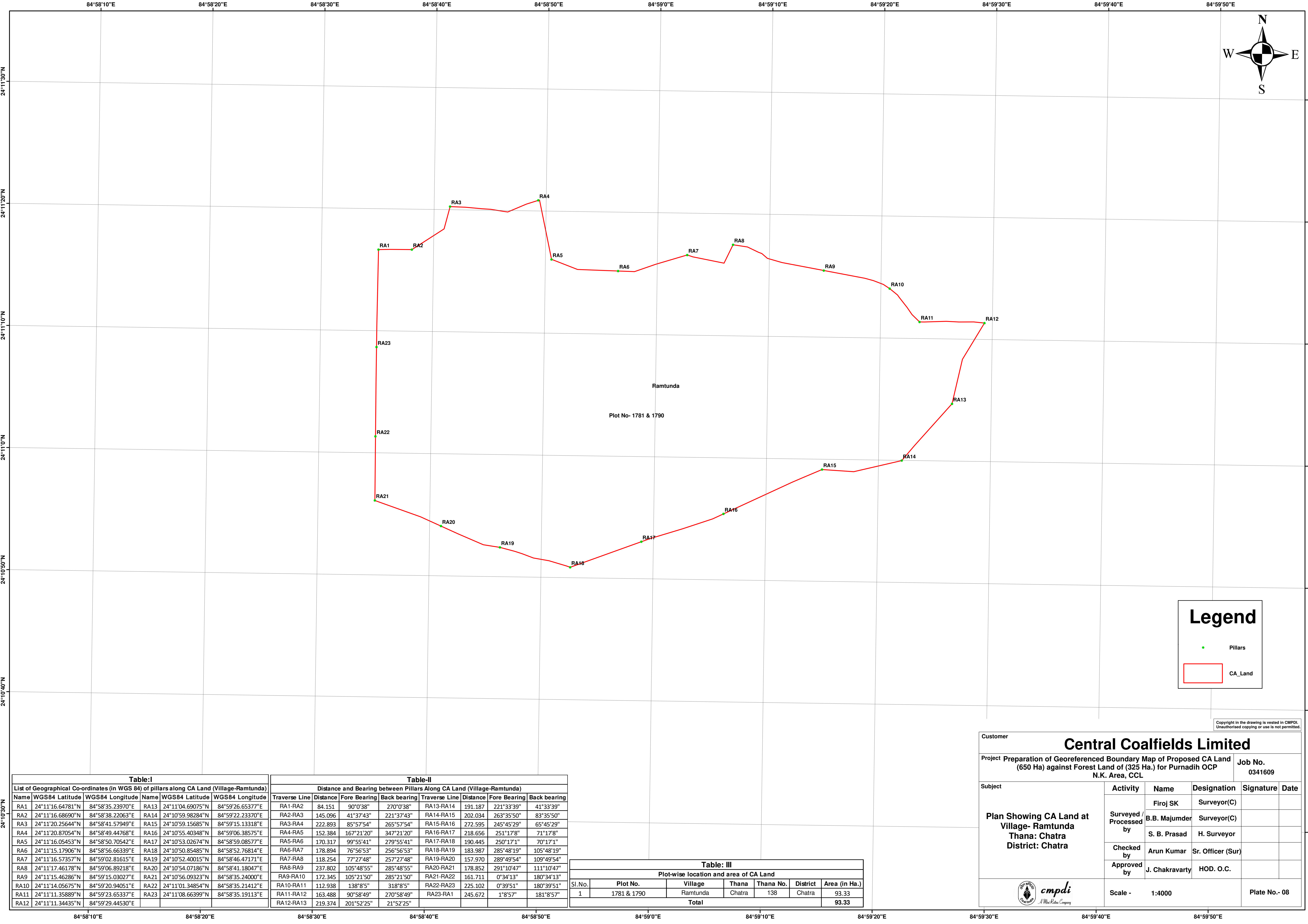


Table-I					
List of Geographical Co-ordinates (in WGS 84) of pillars along CA Land (Village-Ramtunda)					
Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
RA1	24°11'16.64781"N	84°58'35.23970"E	RA13	24°11'04.69075"N	84°59'26.65377"E
RA2	24°11'16.68690"N	84°58'38.22063"E	RA14	24°10'59.98284"N	84°59'22.23370"E
RA3	24°11'20.25644"N	84°58'41.57949"E	RA15	24°10'59.15685"N	84°59'15.13318"E
RA4	24°11'20.87054"N	84°58'49.44768"E	RA16	24°10'55.40348"N	84°59'06.38575"E
RA5	24°11'16.05453"N	84°58'50.70542"E	RA17	24°10'53.02674"N	84°58'59.08577"E
RA6	24°11'15.17906"N	84°58'56.66339"E	RA18	24°10'50.85485"N	84°58'52.76814"E
RA7	24°11'16.57357"N	84°59'02.81615"E	RA19	24°10'52.40015"N	84°58'46.47171"E
RA8	24°11'17.46178"N	84°59'06.89218"E	RA20	24°10'54.07186"N	84°58'41.18047"E
RA9	24°11'15.46286"N	84°59'15.03027"E	RA21	24°10'56.09323"N	84°58'35.24000"E
RA10	24°11'14.05675"N	84°59'20.94051"E	RA22	24°11'01.34854"N	84°58'35.21412"E
RA11	24°11'11.35889"N	84°59'23.65337"E	RA23	24°11'08.66399"N	84°58'35.19113"E
RA12	24°11'11.34435"N	84°59'29.44530"E			

Table-II							
Distance and Bearing between Pillars Along CA Land (Village-Ramtunda)							
Traverse Line	Distance	Fore Bearing	Back bearing	Traverse Line	Distance	Fore Bearing	Back bearing
RA1-RA2	84.151	90°0'38"	270°0'38"	RA13-RA14	191.187	221°33'39"	41°33'39"
RA2-RA3	145.096	41°37'43"	221°37'43"	RA14-RA15	202.034	263°35'50"	83°35'50"
RA3-RA4	222.893	85°57'54"	265°57'54"	RA15-RA16	272.595	245°45'29"	65°45'29"
RA4-RA5	152.384	167°21'20"	347°21'20"	RA16-RA17	218.656	251°17'8"	71°17'8"
RA5-RA6	170.317	99°55'41"	279°55'41"	RA17-RA18	190.445	250°17'1"	70°17'1"
RA6-RA7	178.894	76°56'53"	256°56'53"	RA18-RA19	183.987	285°48'19"	105°48'19"
RA7-RA8	118.254	77°27'48"	257°27'48"	RA19-RA20	157.970	289°49'54"	109°49'54"
RA8-RA9	237.802	105°48'55"	285°48'55"	RA20-RA21	178.852	291°10'47"	111°10'47"
RA9-RA10	172.345	105°21'50"	285°21'50"	RA21-RA22	161.711	0°34'13"	180°34'13"
RA10-RA11	112.938	138°8'5"	318°8'5"	RA22-RA23	225.102	0°39'51"	180°39'51"
RA11-RA12	163.488	90°58'49"	270°58'49"	RA23-RA1	245.672	1°8'57"	181°8'57"
RA12-RA13	219.374	201°52'25"	21°52'25"				

Table: III						
Plot-wise location and area of CA Land						
Sl.No.	Plot No.	Village	Thana	Thana No.	District	Area (in Ha.)
1	1781 & 1790	Ramtunda	Chatra	138	Chatra	93.33
Total						93.33

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of Proposed CA Land (650 Ha) against Forest Land of (325 Ha.) for Purnadih OCP N.K. Area, CCL

Job No.

0341609

Subject	Activity	Name	Designation	Signature	Date
	Surveyed / Processed by	Firoj SK	Surveyor(C)		
		B.B. Majumder	Surveyor(C)		
		S. B. Prasad	H. Surveyor		
	Checked by	Arun Kumar	Sr. Officer (Sur)		
	Approved by	J. Chakravarty	HOD. O.C.		
Scale -		1:4000		Plate No.- 08	



cmpdi

A Mahatma Company

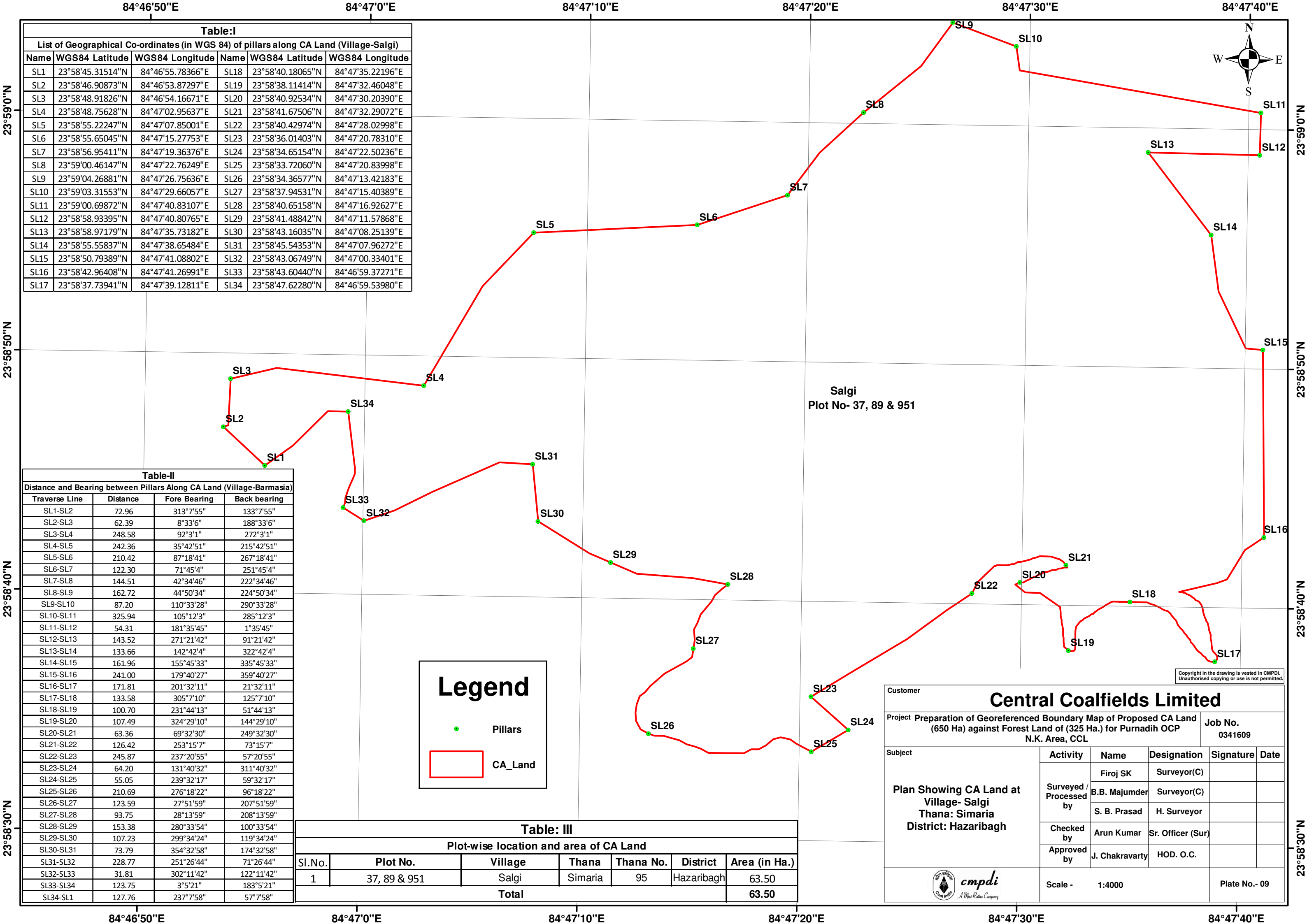


Table-I					
List of Geographical Co-ordinates (in WGS 84) of Pillars Along CA Land (Village-Siria)					
Name	WGS84 Latitude	WGS84 Longitude	Name	WGS84 Latitude	WGS84 Longitude
SR1	24°14'50.55660"N	85°10'22.58669"E	SR12	24°14'48.38681"N	85°10'44.20567"E
SR2	24°14'53.23103"N	85°10'22.40366"E	SR13	24°14'45.23293"N	85°10'42.43890"E
SR3	24°14'53.90367"N	85°10'23.02876"E	SR14	24°14'42.29188"N	85°10'41.23349"E
SR4	24°14'54.19680"N	85°10'25.09983"E	SR15	24°14'38.88567"N	85°10'42.19222"E
SR5	24°14'56.00314"N	85°10'25.84345"E	SR16	24°14'40.00245"N	85°10'37.70649"E
SR6	24°14'58.49166"N	85°10'31.26557"E	SR17	24°14'41.34973"N	85°10'34.31516"E
SR7	24°14'59.22286"N	85°10'34.88321"E	SR18	24°14'42.62540"N	85°10'30.46672"E
SR8	24°14'57.45679"N	85°10'38.85967"E	SR19	24°14'45.56797"N	85°10'29.96873"E
SR9	24°14'55.87482"N	85°10'42.35212"E	SR20	24°14'46.66831"N	85°10'30.67394"E
SR10	24°14'53.47551"N	85°10'45.06875"E	SR21	24°14'47.58103"N	85°10'27.28506"E
SR11	24°14'51.58827"N	85°10'45.08442"E			

Table-II			
Distance and Bearing between Pillars Along CA Land (Village-Siria)			
Traverse Line	Distance	Fore Bearing	Back bearing
SR1-SR2	82.448	357°9'35"	177°9'35"
SR2-SR3	27.190	41°10'60"	221°10'60"
SR3-SR4	59.118	81°58'29"	261°58'29"
SR4-SR5	59.404	21°25'50"	201°25'50"
SR5-SR6	171.053	64°9'31"	244°9'31"
SR6-SR7	104.504	78°19'3"	258°19'3"
SR7-SR8	124.645	116°35'40"	296°35'40"
SR8-SR9	109.892	117°2'22"	297°2'22"
SR9-SR10	106.409	134°40'35"	314°40'35"
SR10-SR11	58.068	180°18'40"	0°18'40"
SR11-SR12	101.574	194°52'29"	14°52'29"
SR12-SR13	109.090	207°56'6"	27°56'6"
SR13-SR14	96.668	201°20'40"	21°20'40"
SR14-SR15	108.236	166°16'39"	346°16'39"
SR15-SR16	131.130	285°56'22"	105°56'22"
SR16-SR17	104.268	294°10'29"	114°10'29"
SR17-SR18	115.447	290°37'29"	110°37'29"
SR18-SR19	91.621	351°55'46"	171°55'46"
SR19-SR20	39.268	31°11'23"	211°11'23"
SR20-SR21	99.642	287°7'9"	107°7'9"
SR21-SR1	161.090	305°23'3"	125°23'3"

Table: III						
Plot-wise location and area of CA Land						
Sl.No.	Plot No.	Village	Thana	Thana No.	District	Area (in Ha.)
1	248(P), 249(P), 250(P) & 253(P)	Siria	Itkhori	113	Chatra	24.54
Total						24.54

Legend

Pillars

CA_Land

Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of Proposed CA Land (650 Ha) against Forest Land of (325 Ha.) for Purnadih OCP N.K. Area, CCL

Job No.

0341609

Subject

Plan Showing CA Land at Village- Siria Thana: Itkhori District: Chatra

Activity

Surveyed / Processed by

Checked by

Approved by

Name

Firoj SK

B.B. Majumder

S. B. Prasad

Arun Kumar

J. Chakravarty

Designation

Surveyor(C)

Surveyor(C)

H. Surveyor

Sr. Officer (Sur)

HOD. O.C.

Signature

Date

cmpdi

A Mini Ratna Company

Scale - 1:4000

Plate No.- 10

