

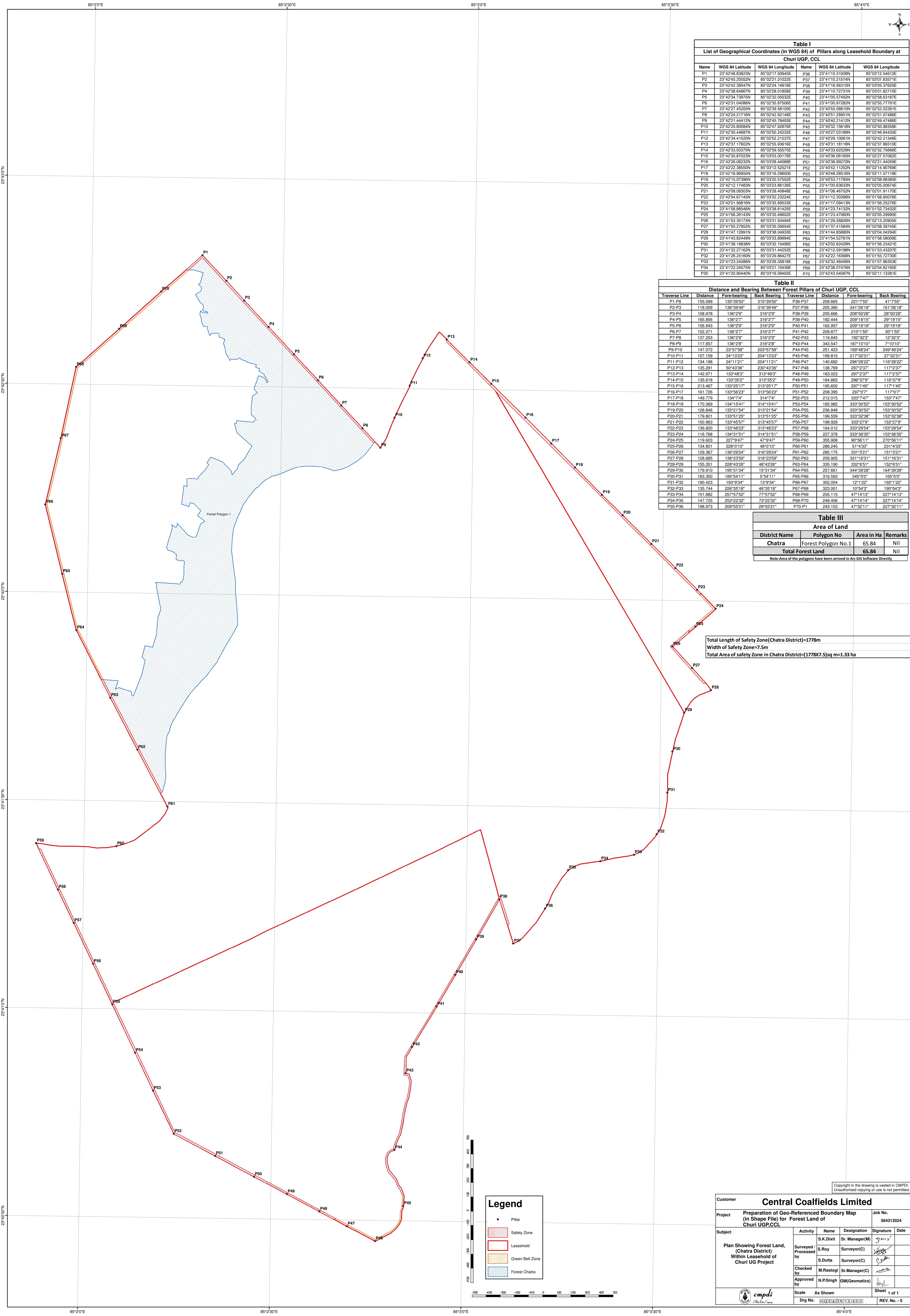


Table I					
List of Geographical Coordinates (in WGS 84) of Pillars along Leasehold Boundary at Churi UGP, CCL					
Name	WGS 84 Latitude	WGS 84 Longitude	Name	WGS 84 Latitude	WGS 84 Longitude
P1	23°42'48.83823N	85°02'17.50945E	P36	23°41'15.31928N	85°03'12.54612E
P2	23°42'45.20552N	85°02'21.31022E	P37	23°41'10.21574N	85°03'07.63571E
P3	23°42'42.39547N	85°02'24.14918E	P38	23°41'16.56310N	85°03'05.37620E
P4	23°42'38.64867N	85°02'28.01858E	P39	23°41'10.72731N	85°03'01.82710E
P5	23°42'34.73975N	85°02'32.05532E	P40	23°41'05.57492N	85°02'58.63167E
P6	23°42'31.04086N	85°02'35.87506E	P41	23°41'00.97828N	85°02'55.77917E
P7	23°42'27.45205N	85°02'39.58105E	P42	23°40'55.08810N	85°02'52.02281E
P8	23°42'24.21716N	85°02'42.92148E	P43	23°40'51.28951N	85°02'51.07486E
P9	23°42'21.44412N	85°02'45.78493E	P44	23°40'40.21412N	85°02'49.47486E
P10	23°42'25.80084N	85°02'47.92876E	P45	23°40'32.13518N	85°02'50.96358E
P11	23°42'30.44887N	85°02'50.24232E	P46	23°40'27.03169N	85°02'46.64435E
P12	23°42'34.41520N	85°02'52.21537E	P47	23°40'29.10061N	85°02'42.21346E
P13	23°42'37.17602N	85°02'55.93616E	P48	23°40'31.18116N	85°02'37.86510E
P14	23°42'33.93375N	85°02'59.55575E	P49	23°40'33.62529N	85°02'32.75666E
P15	23°42'30.87023N	85°03'03.00178E	P50	23°40'36.06165N	85°02'27.57082E
P16	23°42'26.06232N	85°03'08.44088E	P51	23°40'38.99278N	85°02'21.44059E
P17	23°42'22.98550N	85°03'12.52521E	P52	23°40'42.11252N	85°02'14.90769E
P18	23°42'18.96950N	85°03'16.29651E	P53	23°40'48.28516N	85°02'11.57119E
P19	23°42'15.07366N	85°03'20.57552E	P54	23°40'53.71785N	85°02'08.68385E
P20	23°42'12.17483N	85°03'23.86126E	P55	23°41'00.63633N	85°02'05.00674E
P21	23°42'08.09333N	85°03'28.40846E	P56	23°41'06.46702N	85°02'01.91170E
P22	23°42'04.67145N	85°03'32.22324E	P57	23°41'12.30366N	85°01'58.80076E
P23	23°42'01.56816N	85°03'35.69533E	P58	23°41'17.09413N	85°01'56.25276E
P24	23°41'58.88546N	85°03'38.61425E	P59	23°41'23.74132N	85°01'52.73432E
P25	23°41'56.26143N	85°03'35.49602E	P60	23°41'23.47060N	85°02'05.29990E
P26	23°41'53.35173N	85°03'31.63494E	P61	23°41'29.26828N	85°02'13.20905E
P27	23°41'50.27832N	85°03'35.06642E	P62	23°41'37.41584N	85°02'08.39745E
P28	23°41'47.12991N	85°03'38.04933E	P63	23°41'44.85680N	85°02'04.04294E
P29	23°41'43.82449N	85°03'33.89994E	P64	23°41'54.52781N	85°01'58.58009E
P30	23°41'38.19838N	85°03'32.15496E	P65	23°42'02.62429N	85°01'56.23421E
P31	23°41'32.27162N	85°03'31.44252E	P66	23°42'12.59188N	85°01'53.43207E
P32	23°41'26.25160N	85°03'29.96427E	P67	23°42'22.16368N	85°01'52.73306E
P33	23°41'23.24086N	85°03'28.35818E	P68	23°42'32.48456N	85°01'57.96353E
P34	23°41'22.24575N	85°03'21.10439E	P69	23°42'38.07476N	85°02'04.62195E
P35	23°41'20.00440N	85°03'16.09493E	P70	23°42'43.54087N	85°02'11.13281E

Table II							
Distance and Bearing Between Forest Pillars of Churi UGP, CCL							
Traverse Line	Distance	Fore-bearing	Back Bearing	Traverse Line	Distance	Fore-bearing	Back Bearing
P1-P8	155.099	135°39'50"	315°39'50"	P36-P37	209.665	221°7'55"	41°7'55"
P2-P3	118.009	136°39'49"	316°39'49"	P37-P38	205.390	341°26'18"	161°26'18"
P3-P4	158.978	136°2'9"	316°2'9"	P38-P39	205.666	208°50'28"	28°50'28"
P4-P5	165.856	136°2'7"	316°2'7"	P39-P40	182.444	229°19'15"	29°19'15"
P5-P6	156.943	136°2'9"	316°2'9"	P40-P41	162.957	209°19'18"	29°19'18"
P6-P7	152.271	136°2'7"	316°2'7"	P41-P42	209.877	210°1'55"	30°1'55"
P7-P8	137.253	136°2'9"	316°2'9"	P42-P43	119.845	192°32'3"	12°32'3"
P8-P9	117.657	136°2'8"	316°2'8"	P43-P44	343.547	187°10'10"	7°10'10"
P9-P10	147.072	23°57'58"	203°57'58"	P44-P45	251.423	169°48'24"	349°48'24"
P10-P11	157.159	24°11'23"	204°11'23"	P45-P46	199.815	217°32'31"	31°32'31"
P11-P12	134.198	24°11'21"	204°11'21"	P46-P47	140.682	296°28'22"	116°28'22"
P12-P13	135.291	50°43'36"	230°43'36"	P47-P48	138.769	297°23'7"	117°23'7"
P13-P14	142.971	133°48'3"	313°48'3"	P48-P49	163.023	297°23'7"	117°23'7"
P14-P15	135.618	133°35'2"	313°35'2"	P49-P50	164.862	296°37'9"	116°37'9"
P15-P16	213.467	133°25'17"	313°25'17"	P50-P51	195.602	297°1'45"	117°1'45"
P16-P17	161.126	133°56'23"	313°56'23"	P51-P52	208.395	297°0'7"	117°0'7"
P17-P18	149.779	134°7'4"	314°7'4"	P52-P53	212.015	333°74'7"	153°74'7"
P18-P19	170.369	134°15'41"	314°15'41"	P53-P54	185.982	333°30'52"	153°30'52"
P19-P20	128.846	133°21'54"	313°21'54"	P54-P55	236.848	333°30'52"	153°30'52"
P20-P21	179.801	133°51'25"	313°51'25"	P55-P56	199.559	333°32'38"	153°32'38"
P21-P22	150.963	133°45'57"	313°45'57"	P56-P57	199.929	333°27'9"	153°27'9"
P22-P23	136.820	133°48'23"	313°48'23"	P57-P58	164.012	333°29'54"	153°29'54"
P23-P24	116.768	134°31'51"	314°31'51"	P58-P59	227.378	333°36'35"	153°36'35"
P24-P25	119.603	227°9'47"	47°9'47"	P59-P60	355.908	90°56'11"	270°56'11"
P25-P26	134.801	228°0'10"	48°0'10"	P60-P61	286.245	51°4'33"	231°4'33"
P26-P27	129.367	136°29'24"	316°29'24"	P61-P62	285.175	331°32'1"	151°32'1"
P27-P28	128.685	138°23'59"	318°23'59"	P62-P63	259.905	331°16'31"	151°16'31"
P28-P29	165.351	228°43'26"	48°43'26"	P63-P64	335.190	332°6'51"	152°6'51"
P29-P30	179.910	195°31'34"	15°31'34"	P64-P65	257.661	344°39'28"	164°39'28"
P30-P31	183.350	185°54'11"	5°54'11"	P65-P66	316.593	345°5'0"	165°5'0"
P31-P32	190.423	193°9'34"	13°9'34"	P66-P67	302.004	121°1'22"	192°1'22"
P32-P33	135.744	226°35'18"	46°35'18"	P67-P68	323.001	10°54'3"	190°54'3"
P33-P34	151.882	25°57'52"	77°57'52"	P68-P69	255.115	47°14'13"	227°14'13"
P34-P35	147.125	253°52'32"	73°22'32"	P69-P70	240.456	47°14'14"	227°14'14"
P35-P36	198.973	269°55'21"	29°55'21"	P70-P1	243.153	47°32'11"	227°32'11"

Table III			
Area of Land			
District Name	Polygon No	Area in Ha	Remarks
Chatra	Forest Polygon No.1	65.84	Nil
Total Forest Land		65.84	Nil
Note:Area of the polygons have been arrived in Arc GIS Software Directly			

Total Length of Safety Zone(Chatra District)=1778m
Width of Safety Zone=7.5m
Total Area of safety zone in Chatra District=(1778X7.5)sq m=1.33 ha

Pillar

Safety Zone

Leasehold

Green Belt Zone

Forest Chatra

Legend

Customer

Central Coalfields Limited

Project

Preparation of Geo-Referenced Boundary Map (in Shape File) for Forest Land of Churi UGP,CCL

Job No.

564313024

Subject

Plan Showing Forest Land, (Chatra District) Within Leasehold of Churi UG Project

Activity

S.K.Dixit

Name

Sr. Manager(M)

Designation

Surveyor(C)

Signature

Date

Checked by

M.Rastogi

Sr. Manager(C)

Approved by

N.P.Singh

GM(Geomatics)

Scale

As Shown

Drng No.

HQS&EN11S4000

Sheet 1 of 1

REV No. - 0

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