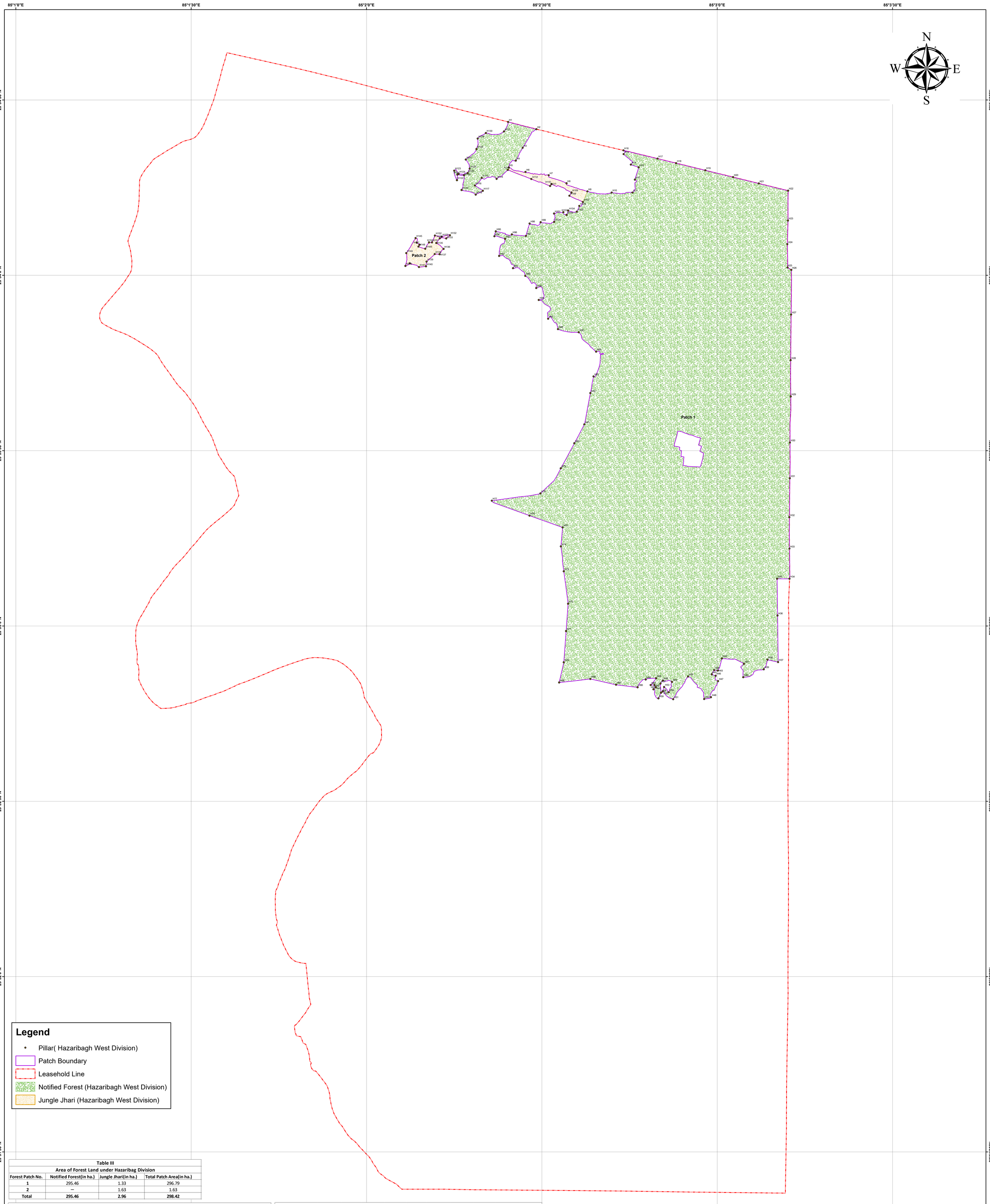

Table III

Area of Forest Land under Hazaribag Division

Forest Patch No.	Notified Forest(in ha.)	Jungle Jhari(in ha.)	Total Patch Area(in ha.)
1	295.46	1.33	296.79
2	–	1.63	1.63
Total	295.46	2.96	298.42

TABLE I

List of Geographical Coordinates (in WGS84) of Forest Pillar at Hazaribag Division

Pillar	Latitude	Longitude	Pillar	Latitude	Longitude	Pillar	Latitude	Longitude
H1	23° 54' 26.239" N	85° 2' 24.231" E	H52	23° 52' 48.770" N	85° 2' 50.656" E	H103	23° 54' 10.345" N	85° 2' 34.217" E
H2	23° 54' 25.011" N	85° 2' 29.061" E	H53	23° 52' 49.548" N	85° 2' 50.917" E	H104	23° 54' 11.082" N	85° 2' 34.501" E
H3	23° 54' 21.819" N	85° 2' 26.723" E	H54	23° 52' 48.645" N	85° 2' 51.696" E	H105	23° 54' 10.901" N	85° 2' 35.977" E
H4	23° 54' 19.613" N	85° 2' 25.536" E	H55	23° 52' 50.403" N	85° 2' 52.257" E	H106	23° 54' 11.865" N	85° 2' 36.401" E
H5	23° 54' 18.469" N	85° 2' 24.333" E	H56	23° 52' 50.674" N	85° 2' 50.688" E	H107	23° 54' 12.551" N	85° 2' 37.018" E
H6	23° 54' 17.695" N	85° 2' 27.200" E	H57	23° 52' 50.140" N	85° 2' 50.284" E	H108	23° 54' 13.609" N	85° 2' 34.715" E
H7	23° 54' 17.119" N	85° 2' 31.177" E	H58	23° 52' 48.571" N	85° 2' 50.389" E	H109	23° 54' 14.168" N	85° 2' 35.069" E
H8	23° 54' 15.752" N	85° 2' 34.214" E	H59	23° 52' 47.598" N	85° 2' 49.942" E	H110	23° 54' 15.621" N	85° 2' 31.638" E
H9	23° 54' 14.350" N	85° 2' 37.788" E	H60	23° 52' 49.165" N	85° 2' 49.083" E	H111	23° 54' 15.277" N	85° 2' 31.396" E
H10	23° 54' 14.164" N	85° 2' 41.945" E	H61	23° 52' 49.510" N	85° 2' 49.477" E	H112	23° 54' 16.472" N	85° 2' 28.200" E
H11	23° 54' 14.155" N	85° 2' 45.500" E	H62	23° 52' 49.890" N	85° 2' 49.260" E	H113	23° 54' 18.060" N	85° 2' 24.189" E
H12	23° 54' 16.384" N	85° 2' 45.905" E	H63	23° 52' 49.881" N	85° 2' 48.601" E	H114	23° 54' 16.496" N	85° 2' 22.253" E
H13	23° 54' 18.479" N	85° 2' 46.558" E	H64	23° 52' 51.056" N	85° 2' 49.548" E	H115	23° 54' 16.669" N	85° 2' 19.732" E
H14	23° 54' 18.945" N	85° 2' 45.226" E	H65	23° 52' 50.842" N	85° 2' 47.771" E	H116	23° 54' 15.353" N	85° 2' 18.545" E
H15	23° 54' 20.735" N	85° 2' 43.983" E	H66	23° 52' 49.510" N	85° 2' 46.374" E	H117	23° 54' 14.469" N	85° 2' 19.897" E
H16	23° 54' 21.380" N	85° 2' 43.945" E	H67	23° 52' 49.930" N	85° 2' 42.692" E	H118	23° 54' 13.813" N	85° 2' 18.667" E
H17	23° 54' 19.969" N	85° 2' 49.793" E	H68	23° 52' 50.936" N	85° 2' 38.290" E	H119	23° 54' 14.601" N	85° 2' 16.260" E
H18	23° 54' 19.193" N	85° 2' 52.963" E	H69	23° 52' 50.318" N	85° 2' 32.950" E	H120	23° 54' 17.118" N	85° 2' 16.663" E
H19	23° 54' 17.966" N	85° 2' 57.972" E	H70	23° 52' 53.784" N	85° 2' 33.733" E	H121	23° 54' 17.217" N	85° 2' 15.528" E
H20	23° 54' 16.801" N	85° 3' 2.715" E	H71	23° 52' 59.119" N	85° 2' 34.131" E	H122	23° 54' 16.274" N	85° 2' 15.467" E
H21	23° 54' 15.721" N	85° 3' 7.104" E	H72	23° 53' 3.804" N	85° 2' 34.472" E	H123	23° 54' 17.914" N	85° 2' 15.002" E
H22	23° 54' 14.488" N	85° 3' 12.122" E	H73	23° 53' 9.331" N	85° 2' 33.739" E	H124	23° 54' 17.380" N	85° 2' 15.761" E
H23	23° 54' 9.375" N	85° 3' 12.090" E	H74	23° 53' 13.616" N	85° 2' 33.240" E	H125	23° 54' 17.499" N	85° 2' 17.284" E
H24	23° 54' 5.321" N	85° 3' 11.987" E	H75	23° 53' 16.858" N	85° 2' 33.542" E	H126	23° 54' 18.247" N	85° 2' 17.649" E
H25	23° 54' 1.324" N	85° 3' 12.043" E	H76	23° 53' 18.881" N	85° 2' 27.890" E	H127	23° 54' 19.811" N	85° 2' 16.977" E
H26	23° 54' 0.935" N	85° 3' 12.675" E	H77	23° 53' 21.427" N	85° 2' 21.437" E	H128	23° 54' 21.613" N	85° 2' 18.800" E
H27	23° 53' 53.284" N	85° 3' 12.632" E	H78	23° 53' 22.679" N	85° 2' 29.750" E	H129	23° 54' 23.405" N	85° 2' 19.017" E
H28	23° 53' 45.471" N	85° 3' 12.555" E	H79	23° 53' 26.969" N	85° 2' 33.232" E	H130	23° 54' 24.347" N	85° 2' 20.419" E
H29	23° 53' 39.272" N	85° 3' 12.564" E	H80	23° 53' 31.266" N	85° 2' 35.546" E	H131	23° 54' 24.620" N	85° 2' 23.504" E
H30	23° 53' 31.385" N	85° 3' 12.444" E	H81	23° 53' 34.492" N	85° 2' 37.266" E	H132	23° 54' 6.859" N	85° 2' 14.261" E
H31	23° 53' 25.276" N	85° 3' 12.417" E	H82	23° 53' 39.847" N	85° 2' 38.294" E	H133	23° 54' 6.309" N	85° 2' 13.634" E
H32	23° 53' 18.601" N	85° 3' 12.347" E	H83	23° 53' 42.696" N	85° 2' 38.836" E	H134	23° 54' 6.326" N	85° 2' 12.540" E
H33	23° 53' 13.235" N	85° 3' 12.352" E	H84	23° 53' 46.945" N	85° 2' 39.285" E	H135	23° 54' 5.518" N	85° 2' 11.927" E
H34	23° 53' 8.075" N	85° 3' 12.373" E	H85	23° 53' 50.251" N	85° 2' 36.299" E	H136	23° 54' 4.518" N	85° 2' 13.177" E
H35	23° 53' 8.075" N	85° 3' 10.233" E	H86	23° 53' 50.787" N	85° 2' 32.752" E	H137	23° 54' 3.602" N	85° 2' 12.488" E
H36	23° 53' 1.788" N	85° 3' 10.311" E	H87	23° 53' 52.561" N	85° 2' 31.075" E	H138	23° 54' 3.633" N	85° 2' 11.659" E
H37	23° 52' 53.807" N	85° 3' 10.411" E	H88	23° 53' 55.785" N	85° 2' 29.466" E	H139	23° 54' 2.349" N	85° 2' 10.275" E
H38	23° 52' 54.219" N	85° 3' 8.591" E	H89	23° 53' 57.812" N	85° 2' 29.039" E	H140	23° 54' 1.536" N	85° 2' 10.177" E
H39	23° 52' 52.577" N	85° 3' 7.968" E	H90	23° 53' 59.914" N	85° 2' 27.156" E	H141	23° 54' 1.412" N	85° 2' 8.971" E
H40	23° 52' 51.210" N	85° 3' 4.446" E	H91	23° 54' 1.218" N	85° 2' 25.052" E	H142	23° 54' 2.046" N	85° 2' 7.390" E
H41	23° 52' 53.509" N	85° 3' 4.576" E	H92	23° 54' 3.321" N	85° 2' 22.682" E	H143	23° 54' 1.613" N	85° 2' 6.647" E
H42	23° 52' 54.444" N	85° 3' 0.791" E	H93	23° 54' 6.236" N	85° 2' 23.707" E	H144	23° 54' 3.802" N	85° 2' 6.797" E
H43	23° 52' 52.355" N	85° 3' 0.072" E	H94	23° 54' 6.666" N	85° 2' 21.874" E	H145	23° 54' 6.377" N	85° 2' 8.388" E
H44	23° 52' 52.451" N	85° 2' 59.481" E	H95	23° 54' 7.527" N	85° 2' 22.111" E	H146	23° 54' 5.591" N	85° 2' 8.599" E
H45	23° 52' 51.711" N	85° 2' 59.069" E	H96	23° 54' 6.999" N	85° 2' 24.858" E	H147	23° 54' 5.247" N	85° 2' 9.069" E
H46	23° 52' 51.474" N	85° 2' 59.739" E	H97	23° 54' 6.746" N	85° 2' 27.268" E	H148	23° 54' 4.909" N	85° 2' 8.894" E
H47	23° 52' 50.550" N	85° 3' 0.151" E	H98	23° 54' 8.859" N	85° 2' 27.907" E	H149	23° 54' 4.554" N	85° 2' 10.050" E
H48	23° 52' 47.809" N	85° 2' 58.940" E	H99	23° 54' 9.100" N	85° 2' 29.788" E	H150	23° 54' 5.638" N	85° 2' 10.686" E
H49	23° 52' 47.480" N	85° 2' 57.771" E	H100	23° 54' 9.144" N	85° 2' 32.089" E	H151	23° 54' 5.638" N	85° 2' 11.208" E
H50	23° 52' 51.344" N	85° 2' 55.002" E	H101	23° 54' 10.567" N	85° 2' 32.079" E	H152	23° 54' 6.812" N	85° 2' 11.707" E
H51	23° 52' 47.444" N	85° 2' 52.467" E	H102	23° 54' 10.800" N	85° 2' 33.670" E	H153	23° 54' 6.605" N	85° 2' 12.860" E

TABLE II

Distance & Bearing between Forest Pillars at Hazaribag Division

Line	Distance	Fore Bearing	Back Bearing	Line	Distance	Fore Bearing	Back Bearing	Line	Distance	Fore Bearing	Back Bearing
H1-H2	141.76	106°15'5"	286°15'5"	H52-H53	25.05	17°53'12"	197°53'12"	H103-H104	24.05	20°16'46"	200°16'46"
H2-H3	118.41	214°45'17"	34°45'17"	H53-H54	35.48	142°21'40"	322°21'40"	H104-H105	42.12	98°23'50"	278°23'50"
H3-H4	75.73	207°6'8"	27°6'8"	H54-H55	56.39	17°8'6"	197°8'6"	H105-H106	32.00	22°48'24"	202°48'24"
H4-H5	48.94	224°49'29"	44°49'29"	H55-H56	45.18	281°23'19"	101°23'19"	H106-H107	27.40	40°20'21"	220°20'21"
H5-H6	84.52	107°9'38"	287°9'38"	H56-H57	20.00	215°39'3"	35°39'3"	H107-H108	72.80	297°20'23"	117°20'23"
H6-H7	113.88	99°45'4"	279°45'4"	H57-H58	48.37	177°14'27"	357°14'27"	H108-H109	19.90	30°57'49"	210°57'49"
H7-H8	95.67	116°53'2"	296°53'2"	H58-H59	32.50	203°41'8"	23°41'8"	H109-H110	106.87	295°31'6"	115°31'6"
H8-H9	109.91	113°54'0"	293°54'0"	H59-H60	53.99	334°1'8"	154°1'8"	H110-H111	12.59	213°41'26"	33°41'26"
H9-H10	117.72	93°34'58"	273°34'58"	H60-H61	15.39	47°12'13"	227°12'13"	H111-H112	97.60	292°55'17"	112°55'17"
H10-H11	100.58	90°56'58"	270°56'58"	H61-H62	13.20	333°5'43"	153°5'43"	H112-H113	123.52	294°6'6"	114°6'6"
H11-H12	69.53	10°15'29"	190°15'29"	H62-H63	18.66	269°59'8"	89°59'8"	H113-H114	72.92	229°28'55"	49°28'55"
H12-H13	67.07	16°47'1"	196°47'1"	H63-H64	45.01	37°19'29"	217°19'29"	H114-H115	71.51	275°3'22"	95°3'22"
H13-H14	40.30	291°36'46"	111°36'46"	H64-H65	50.69	263°18'33"	83°18'33"	H115-H116	52.59	220°27'14"	40°27'14"
H14-H15	65.35	328°13'34"	148°13'34"	H65-H66	56.94	224°45'21"	44°45'21"	H116-H117	46.92	126°11'27"	306°11'27"
H15-H16	19.87	357°45'54"	177°45'54"	H66-H67	104.98	277°51'51"	97°51'51"	H117-H118	40.24	240°41'13"	60°41'13"
H16-H17	171.02	105°29'56"	285°29'56"	H67-H68	128.32	284°45'9"	104°45'9"	H118-H119	72.27	290°23'19"	110°23'19"
H17-H18	92.78	105°41'57"	285°41'57"	H68-H69	152.29	263°36'57"	83°36'57"	H119-H120	78.27	9°10'13"	189°10'13"
H18-H19	146.63	105°42'16"	285°42'16"	H69-H70	108.94	12°31'23"	192°31'23"	H120-H121	32.26	276°12'56"	96°12'56"
H19-H20	138.89	105°44'55"	285°44'55"	H70-H71	164.52	4°43'0"	184°43'0"	H121-H122	29.06	184°12'44"	4°12'44"
H20-H21	128.52	105°46'33"	285°46'33"	H71-H72	144.48	4°37'39"	184°37'39"	H122-H123	52.14	346°12'3"	166°12'3"
H21-H22	146.93	105°45'15"	285°45'15"	H72-H73	171.31	353°50'2"	173°50'2"	H123-H124	27.04	128°14'6"	308°14'6"
H22-H23	157.31	181°7'11"	1°7'11"	H73-H74	132.60	354°40'46"	174°40'46"	H124-H125	43.24	85°55'46"	265°55'46"
H23-H24	124.77	182°7'22"	2°7'22"	H74-H75	100.11	5°41'17"	185°41'17"	H125-H126	25.21	24°57'5"	204°57'5"
H24-H25	123.01	180°3'27"	0°3'27"	H75-H76	171.58	292°3'54"	112°3'54"	H126-H127	51.76	339°14'41"	159°14'41"
H25-H26	21.52	124°34'10"	304°34'10"	H76-H77	198.66	294°0'49"	114°0'49"	H127-H128	75.73	43°44'6"	223°44'6"
H26-H27	235.41	181°5'6"	1°5'6"	H77-H78	238.33	81°29'17"	261°29'17"	H128-H129	55.46	7°7'30"	187°7'30"
H27-H28	240.38	181°18'26"	1°18'26"	H78-H79	164.70	37°31'48"	217°31'48"	H129-H130	49.15	54°38'29"	234°38'29"
H28-H29	190.73	180°42'57"	0°42'57"	H79-H80	147.52	27°7'52"	207°7'52"	H130-H131	87.65	85°17'29"	265°17'29"
H29-H30	242.69	181°35'33"	1°35'33"	H80-H81	110.56	26°54'49"	206°54'49"	H131-H132	605.80	206°21'45"	26°21'45"
H30-H31	187.98	181°0'58"	1°0'58"	H81-H82	167.33	10°47'54"	190°47'54"	H132-H133	24.54	227°8'37"	47°8'37"
H31-H32	205.39	181°20'36"	1°20'36"	H82-H83	88.99	10°43'11"	190°43'11"	H133-H134	30.95	271°45'13"	91°45'13"
H32-H33	165.11	180°44'4"	0°44'4"	H83-H84	131.33	6°20'13"	186°20'13"	H134-H135	30.29	215°40'7"	35°40'7"
H33-H34	158.75	180°34'26"	0°34'26"	H84-H85	132.20	321°5'25"	141°5'25"	H135-H136	46.87	131°50'54"	311°50'54"
H34-H35	60.57	270°46'35"	90°46'35"	H85-H86	101.70	280°7'44"	100°7'44"	H136-H137	34.25	215°27'47"	35°27'47"
H35-H36	193.44	180°7'43"	0°7'43"	H86-H87	72.32	319°48'29"	139°48'29"	H137-H138	23.47	273°8'59"	93°8'59"
H36-H37	245.57	180°7'43"	0°7'43"	H87-H88	109.12	336°8'41"	156°8'41"	H138-H139	55.61	225°31'48"	45°31'48"
H37-H38	53.04	284°35'27"	104°35'27"	H88-H89	63.55	349°49'54"	169°49'54"	H139-H140	25.19	187°8'25"	7°8'25"
H38-H39	53.51	200°1'32"	20°1'32"	H89-H90	83.80	321°18'23"	141°18'23"	H140-H141	34.31	264°26'54"	84°26'54"
H39-H40	108.15	247°54'17"	67°54'17"	H90-H91	71.78	304°47'29"	124°47'29"	H141-H142	48.79	294°20'28"	114°20'28"
H40-H41	70.85	3°46'7"	183°46'7"	H91-H92	93.17	314°46'12"	134°46'12"	H142-H143	24.90	238°26'24"	58°26'24"
H41-H42	110.88	285°48'42"	105°48'42"	H92-H93	94.26	18°42'50"	198°42'50"	H143-H144	67.49	4°24'13"	184°24'13"
H42-H43	67.40	198°21'50"	18°21'50"	H93-H94	53.51	285°7'6"	105°7'6"	H144-H145	91.12	30°23'22"	210°23'22"
H43-H44	16.97	280°47'3"	100°47'3"	H94-H95	27.32	15°0'43"	195°0'43"	H145-H146	24.89	166°55'56"	346°55'56"
H44-H45	25.59	207°53'22"	27°53'22"	H95-H96	79.37	102°36'42"	282°36'42"	H146-H147	17.02	129°19'15"	309°19'15"
H45-H46	20.30	111°48'5"	291°48'5"	H96-H97	68.62	97°18'36"	277°18'36"	H147-H148	11.51	206°16'13"	26°16'13"
H46-H47	30.71	158°31'10"	338°31'10"	H97-H98	67.48	16°20'20"	196°20'20"	H148-H149	34.48	109°16'9"	289°16'9"
H47-H48	91.04	202°53'15"	22°53'15"	H98-H99	53.73	82°51'27"	262°51'27"	H149-H150	37.87	29°9'41"	209°9'41"
H48-H49	34.59	253°47'51"	73°47'51"	H99-H100	65.09	89°35'33"	269°35'33"	H150-H151	14.75	90°46'16"	270°46'16"
H49-H50	142.37	327°24'12"	147°24'12"	H100-H101	43.79	0°25'58"	180°25'58"	H151-H152	38.78	22°8'46"	202°8'46"
H50-H51	139.79	211°39'7"	31°39'7"	H101-H102	45.58	81°44'26"	261°44'26"	H152-H153	33.25	101°49'26"	281°49'26"
H51-H52	65.50	309°19'39"	129°19'39"	H102-H103	20.87	132°56'44"	312°56'44"	H153-H1	684.42	28°49'33"	208°49'33"

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Customer

Central Coalfields Limited

Project: Preparation of Geo-Referenced Boundary Map (in Shape File) of Forest Land of Chandragupt OCP (699.38 Ha.) A & C Area ,CCL

Job No. 064320034

Subject: Plan Showing Forest & Jungle-Jhari Land in Hazaribag Forest Division of Chandragupt OCP (699.38Ha.) A & C Area,CCL

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

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Sheet 1 of 1

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