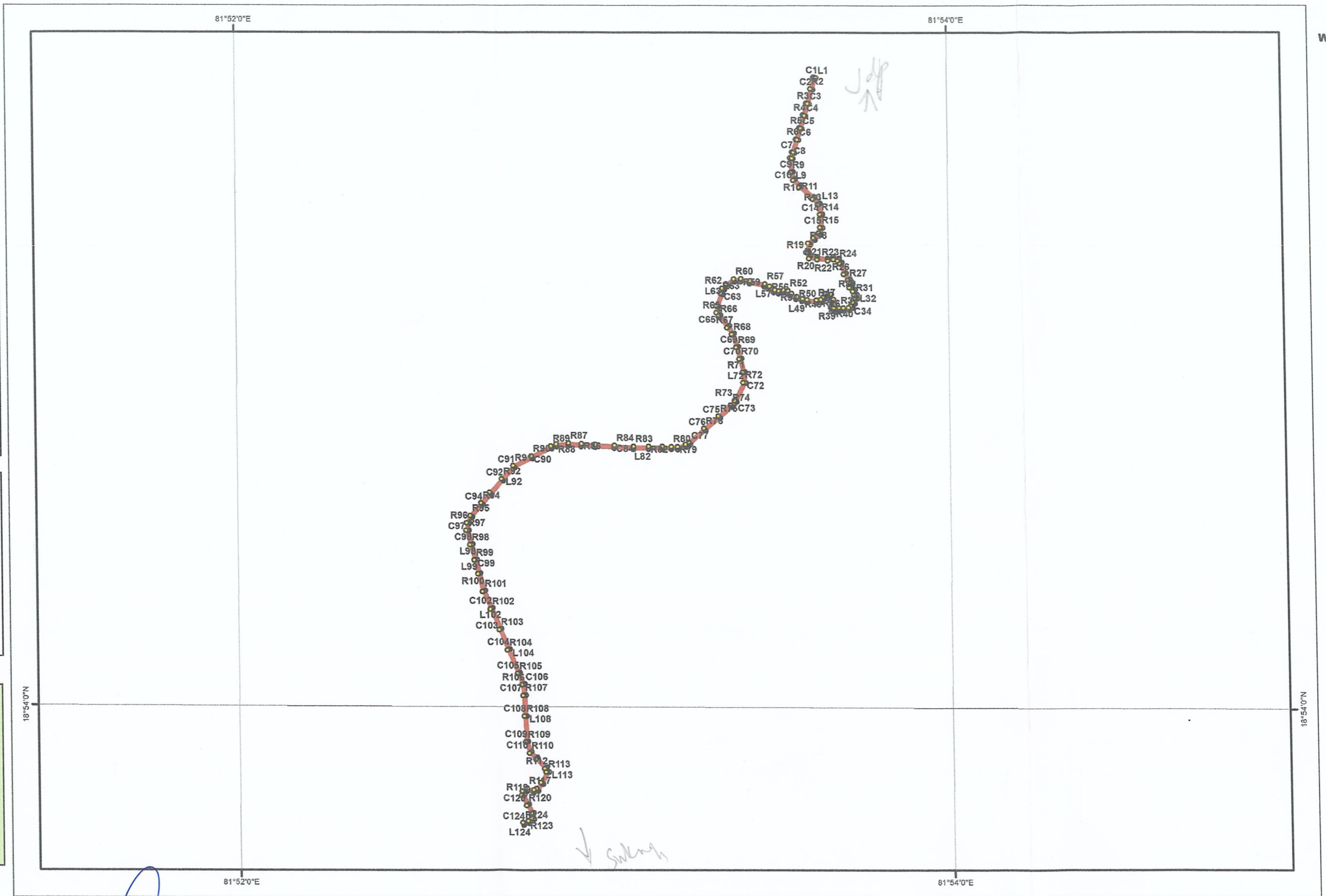
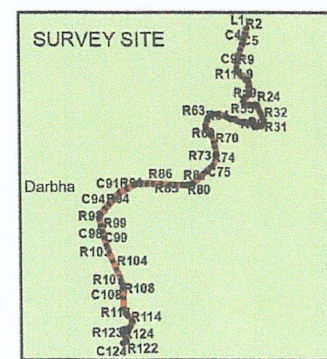
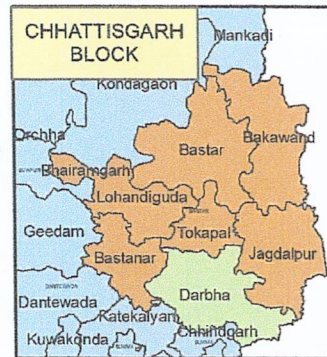
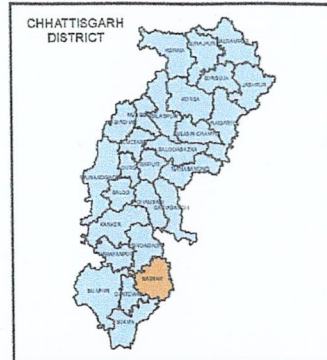
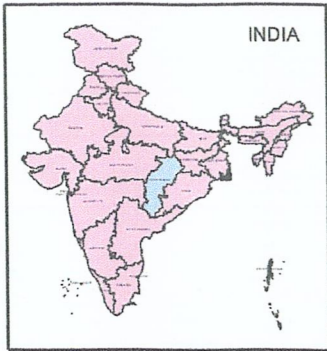


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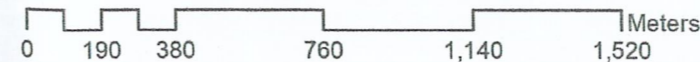


LOCATION MAP OF SURVEY SITE
 FOREST DIVISION KANGERGHATI NATIONAL PARK JAGDALPUR
 DISTRICT BASTAR
 CHHATTISGARH

Scale

1:19,000

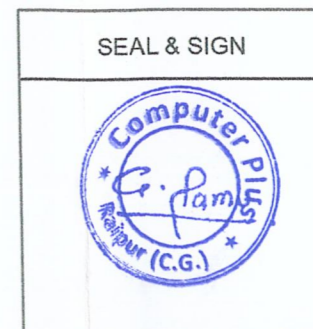
1 centimeter = 190 meters



DIRECTOR
 Kanger Valley National Park
 Jagdalpur

EXECUTIVE ENGINEER
 NATIONAL HIGHWAY DIVISION
 SUKMA (C.G.)

Geographic Coordinate Systems
 WGS 1984
 Projected Coordinate Systems
 WGS 1984 UTM Zone 44N



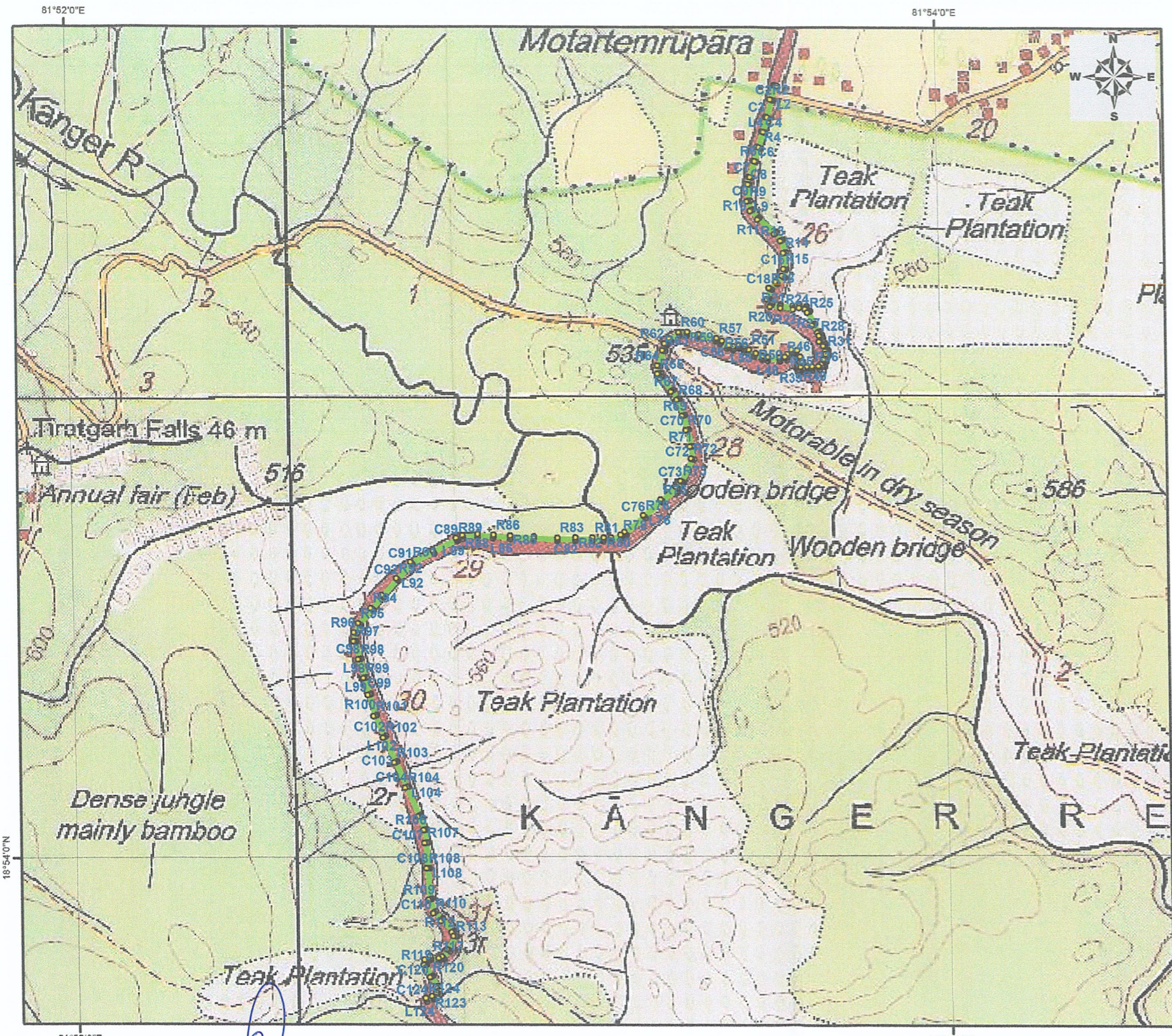
CP
 MAP PREPARED BY
 COMPUTER PLUS RAIPUR

Legend

- SURVEYED GROUND CONTROL POINTS
- ▭ SURVEY SITE AREA : 8.386 (IN HECTARE)

GEO REFERENCE OF SURVEY SITE ON SOI TOPOSHEET
FOREST DIVISION KANGERGHATI NATIONAL PARK JAGDALPUR

DISTRICT BASTAR
CHHATTISGARH
Geographic Coordinate Systems
WGS 1984
Projected Coordinate Systems
WGS 1984 UTM Zone 44N



SURVEYED GROUND CONTROL POINTS

S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE
C1	81° 53' 37.730\"	18° 55' 40.917\"	C94	81° 52' 40.999\"	18° 54' 32.409\"	R63	81° 53' 21.555\"	18° 55' 6.207\"	L32	81° 53' 44.591\"	18° 55' 5.530\"
C2	81° 53' 37.184\"	18° 55' 39.039\"	C95	81° 52' 39.219\"	18° 54' 30.430\"	R64	81° 53' 20.802\"	18° 55' 4.219\"	L33	81° 53' 44.178\"	18° 55' 4.683\"
C3	81° 53' 36.509\"	18° 55' 36.718\"	C96	81° 52' 38.644\"	18° 54' 29.300\"	R65	81° 53' 20.823\"	18° 55' 3.124\"	L34	81° 53' 43.804\"	18° 55' 3.989\"
C4	81° 53' 35.935\"	18° 55' 34.818\"	C97	81° 52' 38.567\"	18° 54' 28.164\"	R66	81° 53' 21.149\"	18° 55' 2.558\"	L35	81° 53' 43.256\"	18° 55' 3.606\"
C5	81° 53' 35.310\"	18° 55' 32.748\"	C98	81° 52' 39.176\"	18° 54' 25.887\"	R67	81° 53' 22.609\"	18° 55' 0.763\"	L36	81° 53' 42.252\"	18° 55' 3.542\"
C6	81° 53' 34.711\"	18° 55' 30.923\"	C99	81° 52' 39.831\"	18° 54' 23.442\"	R68	81° 53' 23.366\"	18° 54' 23.366\"	L37	81° 53' 41.517\"	18° 55' 3.520\"
C7	81° 53' 34.032\"	18° 55' 28.856\"	C100	81° 52' 40.429\"	18° 54' 21.240\"	R69	81° 53' 24.069\"	18° 54' 57.591\"	L38	81° 53' 40.933\"	18° 55' 3.295\"
C8	81° 53' 33.750\"	18° 55' 27.931\"	C101	81° 52' 41.183\"	18° 54' 18.464\"	R70	81° 53' 24.554\"	18° 54' 55.739\"	L39	81° 53' 40.212\"	18° 55' 3.409\"
C9	81° 53' 33.777\"	18° 55' 25.748\"	C102	81° 52' 42.420\"	18° 54' 15.687\"	R71	81° 53' 25.123\"	18° 54' 53.565\"	L40	81° 53' 40.102\"	18° 55' 3.994\"
C10	81° 53' 34.140\"	18° 55' 24.523\"	C103	81° 52' 43.891\"	18° 54' 12.382\"	R72	81° 53' 25.206\"	18° 54' 51.982\"	L41	81° 53' 40.282\"	18° 55' 4.543\"
C11	81° 53' 35.116\"	18° 55' 23.458\"	C104	81° 52' 45.313\"	18° 54' 9.114\"	R73	81° 53' 23.711\"	18° 54' 49.096\"	L42	81° 53' 40.112\"	18° 55' 5.208\"
C12	81° 53' 37.390\"	18° 55' 21.561\"	C105	81° 52' 46.956\"	18° 54' 5.338\"	R74	81° 53' 23.076\"	18° 54' 48.334\"	L43	81° 53' 39.849\"	18° 55' 5.808\"
C13	81° 53' 38.220\"	18° 55' 20.626\"	C106	81° 52' 47.724\"	18° 54' 3.520\"	R75	81° 53' 20.975\"	18° 54' 46.607\"	L44	81° 53' 39.465\"	18° 55' 5.834\"
C14	81° 53' 38.619\"	18° 55' 18.977\"	C107	81° 52' 47.873\"	18° 54' 1.806\"	R76	81° 53' 18.527\"	18° 54' 44.594\"	L45	81° 53' 39.089\"	18° 55' 5.369\"
C15	81° 53' 38.604\"	18° 55' 16.802\"	C108	81° 52' 48.029\"	18° 53' 58.456\"	R77	81° 53' 15.906\"	18° 54' 42.400\"	L46	81° 53' 38.624\"	18° 55' 4.925\"
C16	81° 53' 38.352\"	18° 55' 15.811\"	C109	81° 52' 48.218\"	18° 53' 54.390\"	R78	81° 53' 15.388\"	18° 54' 42.030\"	L47	81° 53' 37.691\"	18° 55' 4.753\"
C17	81° 53' 37.385\"	18° 55' 15.006\"	C110	81° 52' 48.776\"	18° 53' 52.683\"	R79	81° 53' 14.038\"	18° 54' 41.670\"	L48	81° 53' 36.016\"	18° 55' 4.836\"
C18	81° 53' 36.557\"	18° 55' 14.245\"	C111	81° 52' 49.802\"	18° 53' 51.744\"	R80	81° 53' 13.045\"	18° 54' 41.680\"	L49	81° 53' 35.220\"	18° 55' 4.989\"
C19	81° 53' 36.264\"	18° 55' 12.882\"	C112	81° 52' 51.340\"	18° 53' 50.193\"	R81	81° 53' 11.475\"	18° 54' 41.696\"	L50	81° 53' 34.198\"	18° 55' 5.347\"
C20	81° 53' 36.572\"	18° 55' 12.059\"	C113	81° 52' 51.596\"	18° 53' 49.541\"	R82	81° 53' 9.166\"	18° 54' 41.695\"	L51	81° 53' 33.219\"	18° 55' 5.887\"
C21	81° 53' 37.883\"	18° 55' 11.965\"	C114	81° 52' 50.673\"	18° 53' 47.712\"	R83	81° 53' 6.666\"	18° 54' 41.694\"	L52	81° 53' 32.712\"	18° 55' 6.307\"
C22	81° 53' 39.648\"	18° 55' 11.727\"	C115	81° 52' 49.896\"	18° 53' 46.697\"	R84	81° 53' 3.428\"	18° 54' 41.832\"	L53	81° 53' 32.156\"	18° 55' 6.387\"
C23	81° 53' 40.582\"	18° 55' 11.956\"	C116	81° 52' 49.273\"	18° 53' 46.476\"	R85	81° 53' 0.204\"	18° 54' 41.970\"	L54	81° 53' 31.316\"	18° 55' 6.202\"
C24	81° 53' 41.440\"	18° 55' 11.151\"	C117	81° 52' 48.154\"	18° 53' 46.717\"	R86	81° 52' 57.899\"	18° 54' 42.082\"	L55	81° 53' 30.504\"	18° 55' 6.411\"
C25	81° 53' 41.879\"	18° 55' 11.168\"	C118	81° 52' 47.525\"	18° 53' 46.387\"	R87	81° 52' 55.687\"	18° 54' 42.190\"	L56	81° 53' 29.565\"	18° 55' 7.033\"
C26	81° 53' 42.521\"	18° 55' 9.488\"	C119	81° 52' 47.410\"	18° 53' 45.856\"	R88	81° 52' 53.614\"	18° 54' 42.044\"	L57	81° 53' 28.900\"	18° 55' 7.364\"
C27	81° 53' 43.187\"	18° 55' 8.491\"	C120	81° 52' 48.236\"	18° 53' 44.293\"	R89	81° 52' 52.728\"	18° 54' 41.697\"	L58	81° 53' 26.463\"	18° 55' 7.829\"
C28	81° 53' 43.445\"	18° 55' 8.079\"	C121	81° 52' 49.010\"	18° 53' 42.981\"	R90	81° 52' 49.460\"	18° 54' 40.058\"	L59	81° 53' 24.967\"	18° 55' 8.141\"
C29	81° 53' 43.465\"	18° 55' 7.315\"	C122	81° 52' 49.063\"	18° 53' 42.077\"	R91	81° 52' 46.374\"	18° 54' 38.571\"	L60	81° 53' 23.973\"	18° 55' 8.113\"
C30	81° 53' 43.974\"	18° 55' 6.782\"	C123	81° 52' 48.361\"	18° 53' 41.519\"	R92	81° 52' 44.381\"	18° 54' 36.443\"	L61	81° 53' 22.811\"	18° 55' 7.400\"
C31	81° 53' 44.256\"	18° 55' 6.061\"	C124	81° 52' 47.470\"	18° 53' 41.236\"	R93	81° 52' 42.316\"	18° 54' 34.236\"	L62	81° 53' 22.262\"	18° 55' 6.870\"
C32	81° 53' 44.343\"	18° 55' 5.562\"	R1	81° 53' 37.499\"	18° 55' 40.978\"	R94	81° 52' 40.805\"	18° 54' 32.550\"	L63	81° 53' 22.009\"	18° 55' 6.064\"
C33	81° 53' 43.963\"	18° 55' 4.783\"	R2	81° 53' 36.951\"	18° 55' 39.093\"	R95	81° 52' 39.004\"	18° 54' 30.530\"	L64	81° 53' 21.275\"	18° 55' 4.131\"
C34	81° 53' 43.625\"	18° 55' 4.147\"	R3	81° 53' 36.277\"	18° 55' 36.771\"	R96	81° 52' 38.410\"	18° 54' 29.344\"	L65	81° 53' 21.296\"	18° 55' 3.230\"
C35	81° 53' 43.170\"	18° 55' 3.829\"	R4	81° 53' 35.704\"	18° 55' 34.875\"	R97	81° 52' 38.328\"	18° 54' 28.178\"	L66	81° 53' 21.556\"	18° 55' 2.799\"
C36	81° 53' 42.240\"	18° 55' 3.770\"	R5	81° 53' 35.081\"	18° 55' 32.813\"	R98	81° 52' 38.939\"	18° 54' 25.848\"	L67	81° 53' 22.998\"	18° 55' 1.029\"
C37	81° 53' 41.467\"	18° 55' 3.747\"	R6	81° 53' 34.484\"	18° 55' 30.994\"	R99	81° 52' 39.599\"	18° 54' 23.385\"	L68	81° 53' 23.801\"	18° 54' 59.879\"
C38	81° 53' 40.906\"	18° 55' 3.530\"	R7	81° 53' 33.803\"	18° 55' 28.922\"	R100	81° 52' 40.194\"	18° 54' 21.193\"	L69	81° 53' 24.530\"	18° 54' 57.716\"
C39	81° 53' 40.418\"	18° 55' 3.607\"	R8	81° 53' 33.514\"	18° 55' 27.972\"	R101	81° 52' 40.951\"	18° 54' 18.407\"	L70	81° 53' 25.021\"	18° 54' 55.837\"
C40	81° 53' 40.348\"	18° 55' 3.979\"	R9	81° 53' 33.547\"	18° 55' 25.686\"	R102	81° 52' 42.206\"	18° 54' 15.583\"	L71	81° 53' 25.988\"	18° 54' 53.632\"
C41	81° 53' 40.530\"	18° 55' 4.536\"	R10	81° 53' 33.999\"	18° 55' 24.401\"	R103	81° 52' 43.671\"	18° 54' 12.294\"	L72	81° 53' 25.690\"	18° 54' 51.886\"
C42	81° 53' 40.340\"	18° 55' 5.280\"	R11	81° 53' 34.958\"	18° 55' 23.287\"	R104	81° 52' 45.089\"	18° 54' 9.033\"	L73	81° 53' 24.118\"	18° 54' 48.851\"
C43	81° 53' 40.014\"	18° 55' 6.024\"	R12	81° 53' 37.218\"	18° 55' 21.401\"	R105	81° 52' 46.734\"	18° 54' 5.252\"	L74	81° 53' 23.422\"	18° 54' 48.017\"
C44	81° 53' 39.354\"	18° 55' 6.071\"	R13	81° 53' 38.000\"	18° 55' 20.521\"	R106	81° 52' 47.489\"	18° 54' 3.467\"	L75	81° 53' 21.297\"	18° 54' 46.270\"
C45	81° 53' 38.908\"	18° 55' 5.520\"	R14	81° 53' 38.380\"	18° 55' 18.952\"	R107	81° 52' 47.634\"	18° 54' 1.792\"	L76	81° 53' 19.841\"	18° 54' 44.250\"
C46	81° 53' 38.507\"	18° 55' 5.135\"	R15	81° 53' 38.365\"	18° 55' 16.830\"	R108	81° 52' 47.789\"	18° 53' 58.462\"	L77	81° 53' 16.208\"	18° 54' 42.046\"
C47	81° 53' 37.674\"	18° 55' 4.982\"	R16	81° 53' 38.137\"	18° 55' 15.935\"	R109	81° 52' 47.990\"	18° 53' 54.322\"	L78	81° 53' 15.604\"	18° 54' 41.614\"
C48	81° 53' 36.046\"	18° 55' 5.063\"	R17	81° 53' 37.227\"	18° 55' 15.178\"	R110	81° 52' 48.584\"	18° 53' 52.547\"	L79	81° 53' 14.101\"	18° 54' 41.214\"
C49	81° 53' 35.285\"	18° 55' 5.209\"	R18	81° 53' 36.347\"	18° 55' 14.354\"	R111	81° 52' 49.632\"	18° 53' 51.584\"	L80	81° 53' 13.024\"	18° 54' 41.225\"
C50	81° 53' 34.300\"	18° 55' 5.554\"	R19	81° 53' 36.025\"	18° 55' 12.866\"	R112	81° 52' 51.133\"	18° 53' 50.070\"	L81	81° 53' 11.472\"	18° 54' 41.240\"
C51	81° 53' 33.359\"	18° 55' 6.073\"	R20	81° 53' 36.443\"	18° 55' 11.867\"	R113	81° 52' 51.336\"	18° 53' 49.552\"	L82	81° 53' 9.151\"	18° 54' 41.239\"
C52	81° 53' 32.817\"	18° 55' 6.522\"	R21	81° 53' 37.857\"	18° 55' 11.738\"	R114	81° 52' 50.467\"	18° 53' 47.830\"	L83	81° 53' 6.656\"	18° 54' 41.239\"
C53	81° 53' 32.147\"	18° 55' 6.619\"	R22	81° 53' 39.677\"	18° 55' 11.501\"	R115	81° 52' 49.745\"	18° 53' 46.886\"	L84	81° 53' 3.403\"	18° 54' 41.378\"
C54	81° 53' 31.320\"	18° 55' 6.437\"	R23	81° 53' 40.575\"	18° 55' 11.719\"	R116	81° 52' 49.256\"	18° 53' 46.713\"	L85	81° 53' 0.181\"	18° 54' 41.515\"
C55	81° 53' 30.607\"	18° 55' 6.620\"	R24	81° 53' 41.295\"	18° 55' 11.522\"	R117	81° 52' 48.103\"	18° 53' 46.939\"	L86	81° 52' 57.850\"	18° 54' 41.629\"
C56	81° 53' 29.690\"	18° 55' 7.229\"	R25	81° 53' 41.667\"	18° 55' 11.058\"	R118	81° 52' 47.320\"	18° 53' 46.506\"	L87	81° 52' 55.677\"	18° 54' 41.734\"
C57	81° 53' 28.980\"	18° 55' 7.981\"	R26	81° 53' 42.313\"	18° 55' 9.375\"	R119	81° 52' 47.173\"	18° 53' 45.826\"	L88	81° 52' 53.726\"	18° 54' 41.528\"
C58	81° 53' 26.512\"	18° 55' 8.051\"	R27	81° 53' 42.993\"	18° 55' 8.372\"	R120	81° 52' 48.023\"	18° 53' 44.191\"	L89	81° 52' 52.922\"	18° 54' 41.280\"
C59	81° 53' 24.989\"	18° 55' 8.369\"	R28	81° 53' 43.207\"	18° 55' 8.015\"	R121	81° 52' 48.774\"	18° 53' 42.915\"	L90	81° 52' 49.679\"	18° 54' 39.653\"
C60	81° 53' 23.900\"	18° 55' 8.338\"	R29	81° 53' 43.239\"	18° 55' 7.223\"	R122	81° 52' 48.818\"	18° 53' 42.179\"	L91	81° 52' 46.679\"	18° 54' 38.215\"
C61	81° 53' 22.660\"	18° 55' 7.578\"	R30	81° 53' 43.766\"	18° 55' 6.661\"	R123	81° 52' 48.243\"	18° 53' 41.722\"	L92	81° 52' 44.729\"	18° 54' 36.131\"
C62	81° 53' 22.050\"	18° 55' 6.989\"	R31	81° 53' 44.024\"	18° 55' 6.002\"	R124	81° 52' 47.394\"	18° 53' 41.452\"	L93	81° 52' 42.677\"	18° 54' 33.937\"
C63											



DISTANCE FROM BASE STATION TO ROVER
FOREST DIVISION KANGERGHATI NATIONAL PARK JAGDALPUR
DISTRICT BASTAR
CHHATTISGARH

PRIMARY CONTROL POINT (BASE STATION POINT)

S.NO	LONGITUDE	LATITUDE
GROUND CONTROL POINT 1	81° 52' 47.288" E	18° 53' 40.876" N
GROUND CONTROL POINT 2	81° 51' 49.553" E	18° 54' 42.613" N
GROUND CONTROL POINT 3	81° 53' 40.518" E	18° 56' 8.074" N

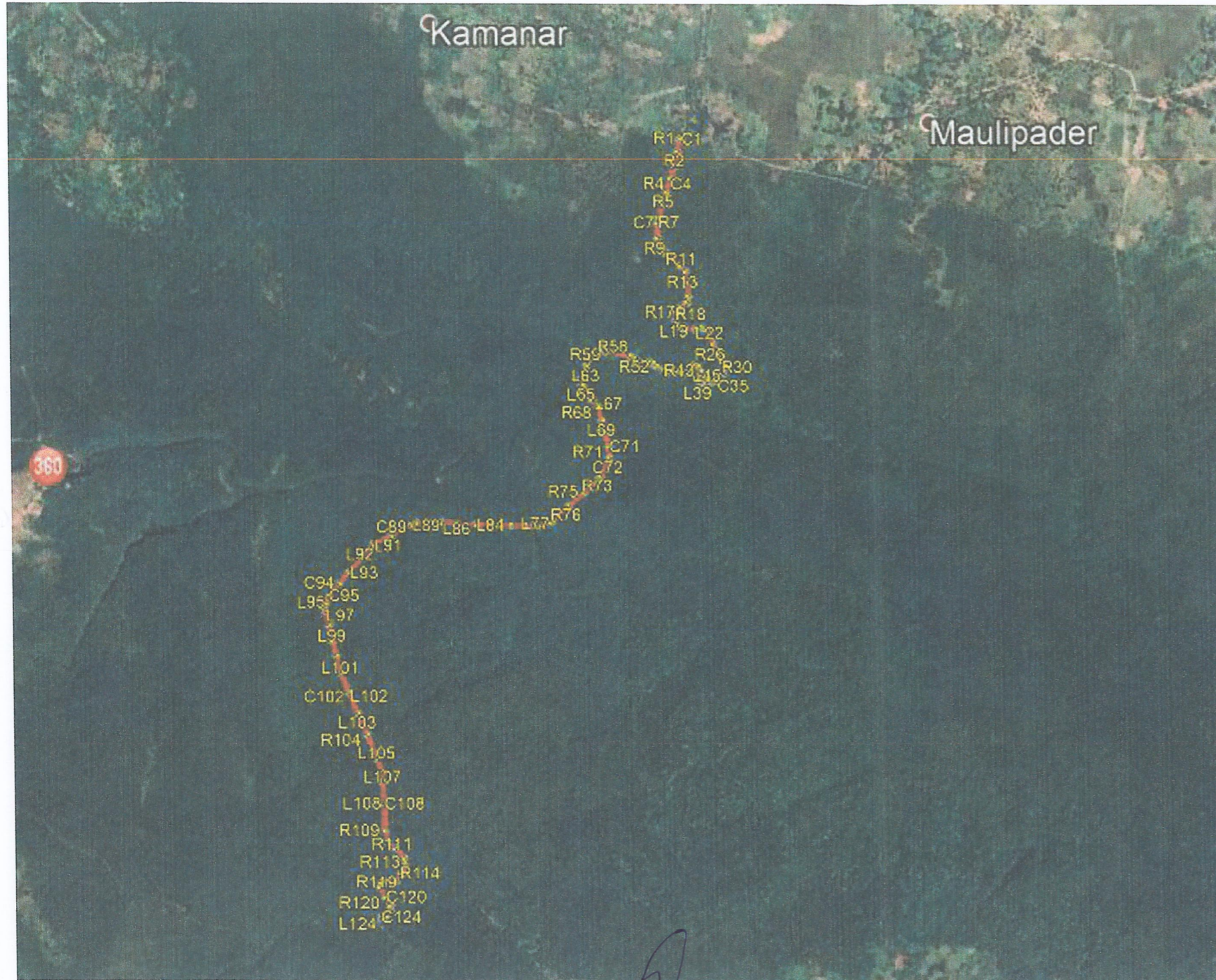
SURVEYED GROUND CONTROL POINTS

S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE
C1	81° 53' 37.730" E	18° 55' 40.917" N	C94	81° 52' 40.999" E	18° 54' 32.409" N	R63	81° 53' 21.555" E	18° 55' 6.207" N	L32	81° 53' 44.591" E	18° 55' 5.590" N
C2	81° 53' 37.184" E	18° 55' 39.039" N	C95	81° 52' 39.219" E	18° 54' 30.430" N	R64	81° 53' 20.802" E	18° 55' 4.219" N	L33	81° 53' 44.178" E	18° 55' 4.683" N
C3	81° 53' 36.509" E	18° 55' 36.718" N	C96	81° 52' 38.644" E	18° 54' 29.300" N	R65	81° 53' 20.823" E	18° 55' 3.124" N	L34	81° 53' 43.804" E	18° 55' 3.989" N
C4	81° 53' 35.935" E	18° 55' 34.818" N	C97	81° 52' 38.567" E	18° 54' 28.164" N	R66	81° 53' 21.149" E	18° 55' 2.558" N	L35	81° 53' 43.256" E	18° 55' 3.606" N
C5	81° 53' 35.310" E	18° 55' 32.748" N	C98	81° 52' 39.176" E	18° 54' 25.887" N	R67	81° 53' 22.609" E	18° 55' 0.763" N	L36	81° 53' 42.252" E	18° 55' 3.542" N
C6	81° 53' 34.711" E	18° 55' 30.923" N	C99	81° 52' 39.831" E	18° 54' 23.442" N	R68	81° 53' 23.366" E	18° 54' 59.679" N	L37	81° 53' 41.517" E	18° 55' 3.520" N
C7	81° 53' 34.032" E	18° 55' 28.856" N	C100	81° 52' 40.429" E	18° 54' 21.240" N	R69	81° 53' 24.069" E	18° 54' 57.591" N	L38	81° 53' 40.933" E	18° 55' 3.295" N
C8	81° 53' 33.750" E	18° 55' 27.931" N	C101	81° 52' 41.183" E	18° 54' 18.464" N	R70	81° 53' 24.554" E	18° 54' 55.739" N	L39	81° 53' 40.212" E	18° 55' 3.409" N
C9	81° 53' 33.777" E	18° 55' 25.748" N	C102	81° 52' 42.420" E	18° 54' 15.687" N	R71	81° 53' 25.123" E	18° 54' 53.565" N	L40	81° 53' 40.102" E	18° 55' 3.994" N
C10	81° 53' 34.140" E	18° 55' 24.523" N	C103	81° 52' 43.891" E	18° 54' 12.382" N	R72	81° 53' 25.206" E	18° 54' 51.982" N	L41	81° 53' 40.282" E	18° 55' 4.543" N
C11	81° 53' 35.116" E	18° 55' 23.458" N	C104	81° 52' 45.313" E	18° 54' 9.114" N	R73	81° 53' 23.711" E	18° 54' 49.096" N	L42	81° 53' 40.112" E	18° 55' 5.208" N
C12	81° 53' 37.390" E	18° 55' 21.561" N	C105	81° 52' 46.956" E	18° 54' 5.338" N	R74	81° 53' 23.076" E	18° 54' 48.334" N	L43	81° 53' 39.849" E	18° 55' 5.808" N
C13	81° 53' 38.220" E	18° 55' 20.626" N	C106	81° 52' 47.724" E	18° 54' 3.520" N	R75	81° 53' 20.975" E	18° 54' 46.607" N	L44	81° 53' 39.465" E	18° 55' 5.834" N
C14	81° 53' 38.619" E	18° 55' 18.977" N	C107	81° 52' 47.873" E	18° 54' 1.806" N	R76	81° 53' 18.527" E	18° 54' 44.594" N	L45	81° 53' 39.089" E	18° 55' 5.369" N
C15	81° 53' 38.604" E	18° 55' 16.802" N	C108	81° 52' 48.029" E	18° 53' 58.456" N	R77	81° 53' 15.906" E	18° 54' 42.400" N	L46	81° 53' 38.624" E	18° 55' 4.925" N
C16	81° 53' 38.352" E	18° 55' 15.811" N	C109	81° 52' 48.218" E	18° 53' 54.390" N	R78	81° 53' 15.388" E	18° 54' 42.030" N	L47	81° 53' 37.691" E	18° 55' 4.753" N
C17	81° 53' 37.385" E	18° 55' 15.006" N	C110	81° 52' 48.776" E	18° 53' 52.683" N	R79	81° 53' 14.038" E	18° 54' 41.670" N	L48	81° 53' 36.016" E	18° 55' 4.836" N
C18	81° 53' 36.557" E	18° 55' 14.245" N	C111	81° 52' 49.802" E	18° 53' 51.744" N	R80	81° 53' 13.045" E	18° 54' 41.680" N	L49	81° 53' 35.220" E	18° 55' 4.989" N
C19	81° 53' 36.264" E	18° 55' 12.882" N	C112	81° 52' 51.340" E	18° 53' 50.193" N	R81	81° 53' 11.475" E	18° 54' 41.696" N	L50	81° 53' 34.198" E	18° 55' 5.347" N
C20	81° 53' 36.572" E	18° 55' 12.059" N	C113	81° 52' 51.596" E	18° 53' 49.541" N	R82	81° 53' 9.166" E	18° 54' 41.695" N	L51	81° 53' 33.219" E	18° 55' 5.887" N
C21	81° 53' 37.883" E	18° 55' 11.965" N	C114	81° 52' 50.673" E	18° 53' 47.712" N	R83	81° 53' 6.666" E	18° 54' 41.694" N	L52	81° 53' 32.712" E	18° 55' 6.307" N
C22	81° 53' 39.648" E	18° 55' 11.727" N	C115	81° 52' 49.896" E	18° 53' 46.697" N	R84	81° 53' 3.428" E	18° 54' 41.832" N	L53	81° 53' 32.156" E	18° 55' 6.387" N
C23	81° 53' 40.582" E	18° 55' 11.956" N	C116	81° 52' 49.273" E	18° 53' 44.476" N	R85	81° 53' 0.204" E	18° 54' 41.970" N	L54	81° 53' 31.316" E	18° 55' 6.202" N
C24	81° 53' 41.440" E	18° 55' 11.715" N	C117	81° 52' 48.154" E	18° 53' 46.717" N	R86	81° 52' 57.899" E	18° 54' 42.082" N	L55	81° 53' 30.504" E	18° 55' 6.411" N
C25	81° 53' 41.879" E	18° 55' 11.168" N	C118	81° 52' 47.525" E	18° 53' 46.387" N	R87	81° 52' 55.687" E	18° 54' 42.190" N	L56	81° 53' 29.565" E	18° 55' 7.033" N
C26	81° 53' 42.521" E	18° 55' 9.488" N	C119	81° 52' 47.410" E	18° 53' 45.856" N	R88	81° 52' 53.614" E	18° 54' 42.044" N	L57	81° 53' 28.900" E	18° 55' 7.364" N
C27	81° 53' 43.187" E	18° 55' 8.491" N	C120	81° 52' 48.236" E	18° 53' 44.293" N	R89	81° 52' 52.728" E	18° 54' 41.697" N	L58	81° 53' 26.463" E	18° 55' 7.829" N
C28	81° 53' 43.445" E	18° 55' 8.079" N	C121	81° 52' 49.010" E	18° 53' 42.981" N	R90	81° 52' 49.460" E	18° 54' 40.058" N	L59	81° 53' 24.967" E	18° 55' 8.141" N
C29	81° 53' 43.465" E	18° 55' 7.315" N	C122	81° 52' 49.063" E	18° 53' 42.077" N	R91	81° 52' 46.374" E	18° 54' 38.571" N	L60	81° 53' 23.973" E	18° 55' 8.113" N
C30	81° 53' 43.974" E	18° 55' 6.782" N	C123	81° 52' 48.361" E	18° 53' 41.519" N	R92	81° 52' 44.381" E	18° 54' 36.443" N	L61	81° 53' 22.811" E	18° 55' 7.400" N
C31	81° 53' 44.256" E	18° 55' 6.061" N	C124	81° 52' 47.470" E	18° 53' 41.236" N	R93	81° 52' 42.316" E	18° 54' 34.236" N	L62	81° 53' 22.262" E	18° 55' 6.870" N
C32	81° 53' 44.343" E	18° 55' 5.562" N	R1	81° 53' 37.498" E	18° 55' 40.978" N	R94	81° 52' 40.805" E	18° 54' 32.550" N	L63	81° 53' 22.009" E	18° 55' 6.064" N
C33	81° 53' 43.963" E	18° 55' 4.783" N	R2	81° 53' 36.951" E	18° 55' 39.093" N	R95	81° 52' 39.004" E	18° 54' 30.530" N	L64	81° 53' 21.275" E	18° 55' 4.131" N
C34	81° 53' 43.625" E	18° 55' 4.147" N	R3	81° 53' 36.277" E	18° 55' 36.771" N	R96	81° 52' 38.410" E	18° 54' 29.344" N	L65	81° 53' 21.296" E	18° 55' 3.230" N
C35	81° 53' 43.170" E	18° 55' 3.829" N	R4	81° 53' 35.704" E	18° 55' 34.875" N	R97	81° 52' 38.328" E	18° 54' 28.178" N	L66	81° 53' 21.556" E	18° 55' 2.799" N
C36	81° 53' 42.240" E	18° 55' 3.770" N	R5	81° 53' 35.081" E	18° 55' 32.813" N	R98	81° 52' 38.939" E	18° 54' 25.848" N	L67	81° 53' 20.981" E	18° 55' 1.029" N
C37	81° 53' 41.467" E	18° 55' 3.747" N	R6	81° 53' 34.484" E	18° 55' 30.994" N	R99	81° 52' 39.599" E	18° 54' 23.385" N	L68	81° 53' 23.801" E	18° 54' 59.879" N
C38	81° 53' 40.906" E	18° 55' 3.530" N	R7	81° 53' 33.803" E	18° 55' 28.922" N	R100	81° 52' 40.194" E	18° 54' 21.193" N	L69	81° 53' 24.530" E	18° 54' 57.716" N
C39	81° 53' 40.418" E	18° 55' 3.607" N	R8	81° 53' 33.514" E	18° 55' 27.972" N	R101	81° 52' 40.951" E	18° 54' 18.407" N	L70	81° 53' 25.021" E	18° 54' 55.837" N
C40	81° 53' 40.348" E	18° 55' 3.979" N	R9	81° 53' 33.547" E	18° 55' 25.686" N	R102	81° 52' 42.206" E	18° 54' 15.583" N	L71	81° 53' 25.598" E	18° 54' 53.632" N
C41	81° 53' 40.530" E	18° 55' 4.536" N	R10	81° 53' 33.939" E	18° 55' 24.401" N	R103	81° 52' 43.671" E	18° 54' 12.294" N	L72	81° 53' 25.690" E	18° 54' 51.886" N
C42	81° 53' 40.340" E	18° 55' 5.280" N	R11	81° 53' 34.958" E	18° 55' 23.287" N	R104	81° 52' 45.089" E	18° 54' 9.033" N	L73	81° 53' 24.118" E	18° 54' 48.851" N
C43	81° 53' 40.014" E	18° 55' 6.024" N	R12	81° 53' 37.218" E	18° 55' 21.401" N	R105	81° 52' 46.734" E	18° 54' 5.252" N	L74	81° 53' 23.422" E	18° 54' 48.017" N
C44	81° 53' 39.354" E	18° 55' 6.071" N	R13	81° 53' 38.000" E	18° 55' 20.521" N	R106	81° 52' 47.489" E	18° 54' 3.467" N	L75	81° 53' 21.297" E	18° 54' 46.270" N
C45	81° 53' 38.908" E	18° 55' 5.520" N	R14	81° 53' 38.380" E	18° 55' 18.952" N	R107	81° 52' 47.634" E	18° 54' 1.792" N	L76	81° 53' 18.841" E	18° 54' 44.250" N
C46	81° 53' 38.507" E	18° 55' 5.135" N	R15	81° 53' 38.365" E	18° 55' 16.830" N	R108	81° 52' 47.789" E	18° 53' 58.462" N	L77	81° 53' 16.208" E	18° 54' 42.046" N
C47	81° 53' 37.674" E	18° 55' 4.982" N	R16	81° 53' 38.137" E	18° 55' 15.935" N	R109	81° 52' 47.990" E	18° 53' 54.322" N	L78	81° 53' 15.604" E	18° 54' 41.614" N
C48	81° 53' 36.046" E	18° 55' 5.063" N	R17	81° 53' 37.227" E	18° 55' 15.178" N	R110	81° 52' 48.584" E	18° 53' 52.547" N	L79	81° 53' 14.101" E	18° 54' 41.214" N
C49	81° 53' 35.285" E	18° 55' 5.209" N	R18	81° 53' 36.347" E	18° 55' 14.354" N	R111	81° 52' 49.632" E	18° 53' 51.584" N	L80	81° 53' 13.024" E	18° 54' 41.225" N
C50	81° 53' 34.300" E	18° 55' 5.554" N	R19	81° 53' 36.025" E	18° 55' 12.866" N	R112	81° 52' 51.133" E	18° 53' 50.070" N	L81	81° 53' 11.472" E	18° 54' 41.240" N
C51	81° 53' 33.359" E	18° 55' 6.073" N	R20	81° 53' 36.443" E	18° 55' 11.867" N	R113	81° 52' 51.336" E	18° 53' 49.552" N	L82	81° 53' 9.151" E	18° 54' 41.239" N
C52	81° 53' 32.817" E	18° 55' 6.522" N	R21	81° 53' 37.857" E	18° 55' 11.738" N	R114	81° 52' 50.467" E	18° 53' 47.830" N	L83	81° 53' 6.656" E	18° 54' 41.239" N
C53	81° 53' 32.147" E	18° 55' 6.619" N	R22	81° 53' 39.677" E	18° 55' 11.501" N	R115	81° 52' 49.745" E	18° 53' 46.886" N	L84	81° 53' 3.403" E	18° 54' 41.378" N
C54	81° 53' 31.320" E	18° 55' 6.437" N	R23	81° 53' 40.575" E	18° 55' 11.719" N	R116	81° 52' 49.256" E	18° 53' 46.713" N	L85	81° 53' 0.181" E	18° 54' 41.515" N
C55	81° 53' 30.607" E	18° 55' 6.620" N	R24	81° 53' 41.295" E	18° 55' 11.522" N	R117	81° 52' 48.103" E	18° 53' 46.939" N	L86	81° 52' 57.850" E	18° 54' 41.629" N
C56	81° 53' 29.690" E	18° 55' 7.229" N	R25	81° 53' 41.667" E	18° 55' 11.058" N	R118	81° 52' 47.320" E	18° 53' 46.506" N	L87	81° 52' 55.677" E	18° 54' 41.734" N
C57	81° 53' 28.980" E	18° 55' 7.729" N	R26	81° 53' 42.313" E	18° 55' 9.375" N	R119	81° 52' 47.173" E	18° 53' 45.826" N	L88	81° 52' 53.726" E	18° 54' 41.598" N
C58	81° 53' 26.512" E	18° 55' 8.051" N	R27	81° 53' 42.983" E	18° 55' 8.372" N	R120	81° 52' 48.023" E	18° 53' 44.191" N	L89	81° 52' 52.922" E	18° 54' 41.280" N
C59	81° 53' 24.989" E	18° 55' 8.369" N	R28	81° 53' 43.207" E	18° 55' 8.015" N	R121	81° 52' 48.774" E	18° 53' 42.915" N	L90	81°	

SURVEY SITE SUPERIMPOSE ON GOOGLE IMAGE
 FOREST DIVISION KANGERGHATI NATIONAL PARK JAGDALPUR
 DISTRICT BASTAR
 CHHATTISGARH



SURVEYED GROUND CONTROL POINTS



S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE
C1	81° 53' 37.730" E	18° 55' 40.917" N	C94	81° 52' 40.993" E	18° 54' 32.409" N	R63	81° 53' 21.555" E	18° 55' 6.207" N	L32	81° 53' 44.591" E	18° 55' 5.530" N
C2	81° 53' 37.184" E	18° 55' 39.039" N	C95	81° 52' 39.219" E	18° 54' 30.430" N	R64	81° 53' 20.802" E	18° 55' 4.219" N	L33	81° 53' 44.178" E	18° 55' 4.683" N
C3	81° 53' 36.509" E	18° 55' 36.718" N	C96	81° 52' 38.644" E	18° 54' 29.300" N	R65	81° 53' 20.823" E	18° 55' 3.124" N	L34	81° 53' 43.804" E	18° 55' 3.989" N
C4	81° 53' 35.935" E	18° 55' 34.818" N	C97	81° 52' 38.567" E	18° 54' 28.164" N	R66	81° 53' 21.149" E	18° 55' 2.558" N	L35	81° 53' 43.256" E	18° 55' 3.606" N
C5	81° 53' 35.310" E	18° 55' 32.748" N	C98	81° 52' 39.176" E	18° 54' 25.887" N	R67	81° 53' 22.609" E	18° 55' 0.763" N	L36	81° 53' 42.252" E	18° 55' 3.542" N
C6	81° 53' 34.711" E	18° 55' 30.923" N	C99	81° 52' 39.831" E	18° 54' 23.442" N	R68	81° 53' 23.366" E	18° 54' 59.679" N	L37	81° 53' 41.517" E	18° 55' 3.520" N
C7	81° 53' 34.032" E	18° 55' 28.856" N	C100	81° 52' 40.429" E	18° 54' 21.240" N	R69	81° 53' 24.069" E	18° 54' 57.591" N	L38	81° 53' 40.933" E	18° 55' 3.295" N
C8	81° 53' 33.750" E	18° 55' 27.931" N	C101	81° 52' 41.183" E	18° 54' 18.464" N	R70	81° 53' 24.554" E	18° 54' 55.739" N	L39	81° 53' 40.212" E	18° 55' 3.409" N
C9	81° 53' 33.777" E	18° 55' 25.748" N	C102	81° 52' 42.420" E	18° 54' 15.687" N	R71	81° 53' 25.123" E	18° 54' 53.565" N	L40	81° 53' 40.102" E	18° 55' 3.994" N
C10	81° 53' 34.140" E	18° 55' 24.523" N	C103	81° 52' 43.891" E	18° 54' 12.382" N	R72	81° 53' 25.206" E	18° 54' 51.982" N	L41	81° 53' 40.282" E	18° 55' 4.543" N
C11	81° 53' 35.116" E	18° 55' 23.458" N	C104	81° 52' 45.313" E	18° 54' 9.114" N	R73	81° 53' 23.711" E	18° 54' 49.096" N	L42	81° 53' 40.112" E	18° 55' 5.208" N
C12	81° 53' 37.390" E	18° 55' 21.561" N	C105	81° 52' 46.956" E	18° 54' 5.338" N	R74	81° 53' 23.076" E	18° 54' 48.334" N	L43	81° 53' 39.849" E	18° 55' 5.808" N
C13	81° 53' 38.220" E	18° 55' 20.626" N	C106	81° 52' 47.724" E	18° 54' 3.520" N	R75	81° 53' 20.975" E	18° 54' 46.607" N	L44	81° 53' 39.465" E	18° 55' 5.834" N
C14	81° 53' 38.619" E	18° 55' 19.977" N	C107	81° 52' 47.873" E	18° 54' 1.806" N	R76	81° 53' 18.527" E	18° 54' 44.594" N	L45	81° 53' 39.089" E	18° 55' 5.369" N
C15	81° 53' 38.604" E	18° 55' 16.802" N	C108	81° 52' 48.029" E	18° 53' 58.456" N	R77	81° 53' 15.906" E	18° 54' 42.400" N	L46	81° 53' 38.624" E	18° 55' 4.925" N
C16	81° 53' 38.352" E	18° 55' 15.811" N	C109	81° 52' 48.218" E	18° 53' 54.390" N	R78	81° 53' 15.388" E	18° 54' 42.030" N	L47	81° 53' 37.691" E	18° 55' 4.753" N
C17	81° 53' 37.385" E	18° 55' 15.006" N	C110	81° 52' 48.776" E	18° 53' 52.683" N	R79	81° 53' 14.038" E	18° 54' 41.670" N	L48	81° 53' 36.016" E	18° 55' 4.836" N
C18	81° 53' 36.557" E	18° 55' 14.245" N	C111	81° 52' 49.802" E	18° 53' 51.744" N	R80	81° 53' 13.045" E	18° 54' 41.680" N	L49	81° 53' 35.220" E	18° 55' 4.989" N
C19	81° 53' 36.264" E	18° 55' 12.882" N	C112	81° 52' 51.340" E	18° 53' 50.193" N	R81	81° 53' 11.475" E	18° 54' 41.696" N	L50	81° 53' 34.198" E	18° 55' 5.347" N
C20	81° 53' 36.572" E	18° 55' 12.059" N	C113	81° 52' 51.596" E	18° 53' 49.541" N	R82	81° 53' 9.166" E	18° 54' 41.695" N	L51	81° 53' 33.219" E	18° 55' 5.887" N
C21	81° 53' 37.883" E	18° 55' 11.965" N	C114	81° 52' 50.673" E	18° 53' 47.712" N	R83	81° 53' 6.666" E	18° 54' 41.694" N	L52	81° 53' 32.712" E	18° 55' 6.307" N
C22	81° 53' 39.648" E	18° 55' 11.727" N	C115	81° 52' 49.896" E	18° 53' 46.697" N	R84	81° 53' 3.428" E	18° 54' 41.832" N	L53	81° 53' 32.156" E	18° 55' 6.387" N
C23	81° 53' 40.582" E	18° 55' 11.956" N	C116	81° 52' 49.273" E	18° 53' 46.476" N	R85	81° 53' 0.204" E	18° 54' 41.970" N	L54	81° 53' 31.316" E	18° 55' 6.202" N
C24	81° 53' 41.440" E	18° 55' 11.715" N	C117	81° 52' 48.154" E	18° 53' 46.717" N	R86	81° 52' 57.899" E	18° 54' 42.082" N	L55	81° 53' 30.504" E	18° 55' 6.411" N
C25	81° 53' 41.879" E	18° 55' 11.168" N	C118	81° 52' 47.525" E	18° 53' 46.387" N	R87	81° 52' 55.687" E	18° 54' 42.190" N	L56	81° 53' 29.565" E	18° 55' 7.033" N
C26	81° 53' 42.521" E	18° 55' 9.488" N	C119	81° 52' 47.410" E	18° 53' 45.856" N	R88	81° 52' 53.614" E	18° 54' 42.044" N	L57	81° 53' 28.900" E	18° 55' 7.364" N
C27	81° 53' 43.187" E	18° 55' 8.491" N	C120	81° 52' 48.236" E	18° 53' 44.293" N	R89	81° 52' 52.728" E	18° 54' 41.697" N	L58	81° 53' 26.463" E	18° 55' 7.829" N
C28	81° 53' 43.445" E	18° 55' 8.079" N	C121	81° 52' 49.010" E	18° 53' 42.981" N	R90	81° 52' 49.460" E	18° 54' 40.058" N	L59	81° 53' 24.967" E	18° 55' 8.141" N
C29	81° 53' 43.465" E	18° 55' 7.315" N	C122	81° 52' 49.063" E	18° 53' 42.077" N	R91	81° 52' 46.374" E	18° 54' 38.571" N	L60	81° 53' 23.973" E	18° 55' 8.113" N
C30	81° 53' 43.974" E	18° 55' 6.782" N	C123	81° 52' 48.361" E	18° 53' 41.519" N	R92	81° 52' 44.381" E	18° 54' 36.443" N	L61	81° 53' 22.811" E	18° 55' 7.400" N
C31	81° 53' 44.256" E	18° 55' 6.061" N	C124	81° 52' 47.470" E	18° 53' 41.236" N	R93	81° 52' 42.316" E	18° 54' 34.236" N	L62	81° 53' 22.262" E	18° 55' 6.870" N
C32	81° 53' 44.343" E	18° 55' 5.562" N	R1	81° 53' 37.499" E	18° 55' 40.978" N	R94	81° 52' 40.805" E	18° 54' 32.550" N	L63	81° 53' 22.009" E	18° 55' 6.064" N
C33	81° 53' 43.963" E	18° 55' 4.783" N	R2	81° 53' 36.951" E	18° 55' 39.093" N	R95	81° 52' 39.004" E	18° 54' 30.530" N	L64	81° 53' 21.275" E	18° 55' 4.131" N
C34	81° 53' 43.625" E	18° 55' 4.147" N	R3	81° 53' 36.277" E	18° 55' 36.771" N	R96	81° 52' 38.410" E	18° 54' 29.344" N	L65	81° 53' 21.296" E	18° 55' 3.230" N
C35	81° 53' 43.170" E	18° 55' 3.829" N	R4	81° 53' 35.704" E	18° 55' 34.875" N	R97	81° 52' 38.328" E	18° 54' 28.178" N	L66	81° 53' 21.556" E	18° 55' 2.799" N
C36	81° 53' 42.240" E	18° 55' 3.770" N	R5	81° 53' 35.081" E							

**SURVEY SITE ON SATELLITE IMAGE
FOREST KANGERGHATI NATIONAL PARK JAGDALPUR
DISTRICT BASTAR
CHHATTISGARH**

Geographic Coordinate Systems
WGS 1984
Projected Coordinate Systems
WGS 1984 UTM Zone 44N

SURVEYED GROUND CONTROL POINTS

S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE	S.NO	LONGITUDE	LATITUDE
C1	81° 53' 37.730"E	18° 55' 40.917"N	C94	81° 52' 40.999"E	18° 54' 32.409"N	R63	81° 53' 21.555"E	18° 55' 6.207"N	L32	81° 53' 44.591"E	18° 55' 5.530"N
C2	81° 53' 37.184"E	18° 55' 39.039"N	C95	81° 52' 39.219"E	18° 54' 30.430"N	R64	81° 53' 20.802"E	18° 55' 4.219"N	L33	81° 53' 44.178"E	18° 55' 4.683"N
C3	81° 53' 36.509"E	18° 55' 36.718"N	C96	81° 52' 38.644"E	18° 54' 29.300"N	R65	81° 53' 20.823"E	18° 55' 3.124"N	L34	81° 53' 43.804"E	18° 55' 3.989"N
C4	81° 53' 35.935"E	18° 55' 34.818"N	C97	81° 52' 38.567"E	18° 54' 28.164"N	R66	81° 53' 21.149"E	18° 55' 2.558"N	L35	81° 53' 43.256"E	18° 55' 3.606"N
C5	81° 53' 35.310"E	18° 55' 32.748"N	C98	81° 52' 39.176"E	18° 54' 25.887"N	R67	81° 53' 22.609"E	18° 55' 0.763"N	L36	81° 53' 42.252"E	18° 55' 3.542"N
C6	81° 53' 34.711"E	18° 55' 30.923"N	C99	81° 52' 39.831"E	18° 54' 23.442"N	R68	81° 53' 23.366"E	18° 54' 59.679"N	L37	81° 53' 41.517"E	18° 55' 3.520"N
C7	81° 53' 34.032"E	18° 55' 28.856"N	C100	81° 52' 40.429"E	18° 54' 21.240"N	R69	81° 53' 24.069"E	18° 54' 57.591"N	L38	81° 53' 40.933"E	18° 55' 3.295"N
C8	81° 53' 33.750"E	18° 55' 27.931"N	C101	81° 52' 41.183"E	18° 54' 18.464"N	R70	81° 53' 24.554"E	18° 54' 55.739"N	L39	81° 53' 40.212"E	18° 55' 3.409"N
C9	81° 53' 33.777"E	18° 55' 25.748"N	C102	81° 52' 42.420"E	18° 54' 15.687"N	R71	81° 53' 25.123"E	18° 54' 53.565"N	L40	81° 53' 40.102"E	18° 55' 3.994"N
C10	81° 53' 34.140"E	18° 55' 24.523"N	C103	81° 52' 43.891"E	18° 54' 12.382"N	R72	81° 53' 25.206"E	18° 54' 51.982"N	L41	81° 53' 40.282"E	18° 55' 4.543"N
C11	81° 53' 35.116"E	18° 55' 23.458"N	C104	81° 52' 45.313"E	18° 54' 9.114"N	R73	81° 53' 23.711"E	18° 54' 49.096"N	L42	81° 53' 40.112"E	18° 55' 5.208"N
C12	81° 53' 37.390"E	18° 55' 21.561"N	C105	81° 52' 46.956"E	18° 54' 5.338"N	R74	81° 53' 23.076"E	18° 54' 48.334"N	L43	81° 53' 39.849"E	18° 55' 5.808"N
C13	81° 53' 38.220"E	18° 55' 20.626"N	C106	81° 52' 47.724"E	18° 54' 3.520"N	R75	81° 53' 20.975"E	18° 54' 46.607"N	L44	81° 53' 39.465"E	18° 55' 5.834"N
C14	81° 53' 38.619"E	18° 55' 18.977"N	C107	81° 52' 47.873"E	18° 54' 1.806"N	R76	81° 53' 18.527"E	18° 54' 44.594"N	L45	81° 53' 39.089"E	18° 55' 5.369"N
C15	81° 53' 38.604"E	18° 55' 16.802"N	C108	81° 52' 48.029"E	18° 53' 58.456"N	R77	81° 53' 15.906"E	18° 54' 42.400"N	L46	81° 53' 38.621"E	18° 55' 4.925"N
C16	81° 53' 38.352"E	18° 55' 15.811"N	C109	81° 52' 48.218"E	18° 53' 54.390"N	R78	81° 53' 15.388"E	18° 54' 42.030"N	L47	81° 53' 37.691"E	18° 55' 4.753"N
C17	81° 53' 37.385"E	18° 55' 15.006"N	C110	81° 52' 48.776"E	18° 53' 52.683"N	R79	81° 53' 14.038"E	18° 54' 41.670"N	L48	81° 53' 36.016"E	18° 55' 4.836"N
C18	81° 53' 36.557"E	18° 55' 14.245"N	C111	81° 52' 49.802"E	18° 53' 51.744"N	R80	81° 53' 13.045"E	18° 54' 41.680"N	L49	81° 53' 35.220"E	18° 55' 4.989"N
C19	81° 53' 36.264"E	18° 55' 12.882"N	C112	81° 52' 51.340"E	18° 53' 50.193"N	R81	81° 53' 11.475"E	18° 54' 41.696"N	L50	81° 53' 34.198"E	18° 55' 5.347"N
C20	81° 53' 36.572"E	18° 55' 12.059"N	C113	81° 52' 51.598"E	18° 53' 49.541"N	R82	81° 53' 9.166"E	18° 54' 41.695"N	L51	81° 53' 33.219"E	18° 55' 5.887"N
C21	81° 53' 37.883"E	18° 55' 11.965"N	C114	81° 52' 50.673"E	18° 53' 47.712"N	R83	81° 53' 6.666"E	18° 54' 41.694"N	L52	81° 53' 32.712"E	18° 55' 6.307"N
C22	81° 53' 39.648"E	18° 55' 11.727"N	C115	81° 52' 49.896"E	18° 53' 46.697"N	R84	81° 53' 3.428"E	18° 54' 41.832"N	L53	81° 53' 32.156"E	18° 55' 6.387"N
C23	81° 53' 40.582"E	18° 55' 11.956"N	C116	81° 52' 49.273"E	18° 53' 46.476"N	R85	81° 53' 0.204"E	18° 54' 41.970"N	L54	81° 53' 31.316"E	18° 55' 6.202"N
C24	81° 53' 41.440"E	18° 55' 11.715"N	C117	81° 52' 48.154"E	18° 53' 46.717"N	R86	81° 52' 57.899"E	18° 54' 42.082"N	L55	81° 53' 30.504"E	18° 55' 6.411"N
C25	81° 53' 41.879"E	18° 55' 11.168"N	C118	81° 52' 47.525"E	18° 53' 46.387"N	R87	81° 52' 55.687"E	18° 54' 42.190"N	L56	81° 53' 29.555"E	18° 55' 7.038"N
C26	81° 53' 42.521"E	18° 55' 9.488"N	C119	81° 52' 47.410"E	18° 53' 45.856"N	R88	81° 52' 53.614"E	18° 54' 42.044"N	L57	81° 53' 28.900"E	18° 55' 7.364"N
C27	81° 53' 43.187"E	18° 55' 8.491"N	C120	81° 52' 48.236"E	18° 53' 44.293"N	R89	81° 52' 52.728"E	18° 54' 41.697"N	L58	81° 53' 26.463"E	18° 55' 7.829"N
C28	81° 53' 43.445"E	18° 55' 8.079"N	C121	81° 52' 49.010"E	18° 53' 42.981"N	R90	81° 52' 49.460"E	18° 54' 40.058"N	L59	81° 53' 24.967"E	18° 55' 8.141"N
C29	81° 53' 43.465"E	18° 55' 7.315"N	C122	81° 52' 49.063"E	18° 53' 42.077"N	R91	81° 52' 46.374"E	18° 54' 38.571"N	L60	81° 53' 23.973"E	18° 55' 8.113"N
C30	81° 53' 43.974"E	18° 55' 6.782"N	C123	81° 52' 48.361"E	18° 53' 41.519"N	R92	81° 52' 44.381"E	18° 54' 36.443"N	L61	81° 53' 22.811"E	18° 55' 7.400"N
C31	81° 53' 44.256"E	18° 55' 6.061"N	C124	81° 52' 47.470"E	18° 53' 41.236"N	R93	81° 52' 42.316"E	18° 54' 34.236"N	L62	81° 53' 22.262"E	18° 55' 6.870"N
C32	81° 53' 44.343"E	18° 55' 5.562"N	R1	81° 53' 37.499"E	18° 55' 40.978"N	R94	81° 52' 40.805"E	18° 54' 32.550"N	L63	81° 53' 22.009"E	18° 55' 6.064"N
C33	81° 53' 43.963"E	18° 55' 4.783"N	R2	81° 53' 36.951"E	18° 55' 39.093"N	R95	81° 52' 39.004"E	18° 54' 30.530"N	L64	81° 53' 21.275"E	18° 55' 4.131"N
C34	81° 53' 43.625"E	18° 55' 4.147"N	R3	81° 53' 36.277"E	18° 55' 36.771"N	R96	81° 52' 38.410"E	18° 54' 29.344"N	L65	81° 53' 21.296"E	18° 55' 3.230"N
C35	81° 53' 43.170"E	18° 55' 3.829"N	R4	81° 53' 35.704"E	18° 55' 34.875"N	R97	81° 52' 38.328"E	18° 54' 28.178"N	L66	81° 53' 21.556"E	18° 55' 2.799"N
C36	81° 53' 42.240"E	18° 55' 3.770"N	R5	81° 53' 35.081"E	18° 55' 32.813"N	R98	81° 52' 38.939"E	18° 54' 25.848"N	L67	81° 53' 22.998"E	18° 55' 1.029"N
C37	81° 53' 41.467"E	18° 55' 3.747"N	R6	81° 53' 34.484"E	18° 55' 30.994"N	R99	81° 52' 39.599"E	18° 54' 23.385"N	L68	81° 53' 23.801"E	18° 55' 1.979"N
C38	81° 53' 40.906"E	18° 55' 3.530"N	R7	81° 53' 33.803"E	18° 55' 28.922"N	R100	81° 52' 40.194"E	18° 54' 21.193"N	L69	81° 53' 24.530"E	18° 55' 1.716"N
C39	81° 53' 40.418"E	18° 55' 3.607"N	R8	81° 53' 33.514"E	18° 55' 27.972"N	R101	81° 52' 40.951"E	18° 54' 18.407"N	L70	81° 53' 25.021"E	18° 55' 5.837"N
C40	81° 53' 40.348"E	18° 55' 3.979"N	R9	81° 53' 33.547"E	18° 55' 25.686"N	R102	81° 52' 42.206"E	18° 54' 15.583"N	L71	81° 53' 25.598"E	18° 55' 5.632"N
C41	81° 53' 40.530"E	18° 55' 4.536"N	R10	81° 53' 33.939"E	18° 55' 24.401"N	R103	81° 52' 43.671"E	18° 54' 12.294"N	L72	81° 53' 25.690"E	18° 55' 5.186"N
C42	81° 53' 40.340"E	18° 55' 5.280"N	R11	81° 53' 34.958"E	18° 55' 23.287"N	R104	81° 52' 45.089"E	18° 54' 9.033"N	L73	81° 53' 24.118"E	18° 54' 48.851"N
C43	81° 53' 40.014"E	18° 55' 6.024"N	R12	81° 53' 37.218"E	18° 55' 21.401"N	R105	81° 52' 46.734"E	18° 54' 5.252"N	L74	81° 53' 23.422"E	18° 54' 48.017"N
C44	81° 53' 39.354"E	18° 55' 6.071"N	R13	81° 53' 38.000"E	18° 55' 20.521"N	R106	81° 52' 47.489"E	18° 54' 3.467"N	L75	81° 53' 21.297"E	18° 54' 46.270"N
C45	81° 53' 38.908"E	18° 55' 5.520"N	R14	81° 53' 38.380"E	18° 55' 18.952"N	R107	81° 52' 47.634"E	18° 54' 1.792"N	L76	81° 53' 18.841"E	18° 54' 44.250"N
C46	81° 53' 38.507"E	18° 55' 5.135"N	R15	81° 53' 38.365"E	18° 55' 16.830"N	R108	81° 52' 47.789"E	18° 53' 58.462"N	L77	81° 53' 16.208"E	18° 54' 42.046"N
C47	81° 53' 37.674"E	18° 55' 4.982"N	R16	81° 53' 38.137"E	18° 55' 15.935"N	R109	81° 52' 47.990"E	18° 53' 54.322"N	L78	81° 53' 15.604"E	18° 54' 41.614"N
C48	81° 53' 36.046"E	18° 55' 5.063"N	R17	81° 53' 37.227"E	18° 55' 15.178"N	R110	81° 52' 48.584"E	18° 53' 52.547"N	L79	81° 53' 14.101"E	18° 54' 41.214"N
C49	81° 53' 35.285"E	18° 55' 5.209"N	R18	81° 53' 36.347"E	18° 55' 14.354"N	R111	81° 52' 49.632"E	18° 53' 51.584"N	L80	81° 53' 13.022"E	18° 54' 41.225"N
C50	81° 53' 34.300"E	18° 55' 5.554"N	R19	81° 53' 36.025"E	18° 55' 12.866"N	R112	81° 52' 51.133"E	18° 53' 50.070"N	L81	81° 53' 11.472"E	18° 54' 41.240"N
C51	81° 53' 33.399"E	18° 55' 6.073"N	R20	81° 53' 36.443"E	18° 55' 11.867"N	R113	81° 52' 51.336"E	18° 53' 49.552"N	L82	81° 53' 9.151"E	18° 54' 41.239"N
C52	81° 53' 32.817"E	18° 55' 6.522"N	R21	81° 53' 37.857"E	18° 55' 11.738"N	R114	81° 52' 50.467"E	18° 53' 47.830"N	L83	81° 53' 6.656"E	18° 54' 41.239"N
C53	81° 53' 32.147"E	18° 55' 6.619"N	R22	81° 53' 39.677"E	18° 55' 11.501"N	R115	81° 52' 49.745"E	18° 53' 46.886"N	L84	81° 53' 3.403"E	18° 54' 41.378"N
C54	81° 53' 31.320"E	18° 55' 6.437"N	R23	81° 53' 40.575"E	18° 55' 11.719"N	R116	81° 52' 49.256"E	18° 53' 46.713"N	L85	81° 53' 0.181"E	18° 54' 41.515"N
C55	81° 53' 30.607"E	18° 55' 6.620"N	R24	81° 53' 41.295"E	18° 55' 11.522"N	R117	81° 52' 48.103"E	18° 53' 46.939"N	L86	81° 52' 57.850"E	18° 54' 41.629"N
C56	81° 53' 29.690"E	18° 55' 7.229"N	R25	81° 53' 41.667"E	18° 55' 11.058"N	R118	81° 52' 47.320"E	18° 53' 46.506"N	L87	81° 52' 55.677"E	18° 54' 41.734"N
C57	81° 53' 28.980"E	18° 55' 7.581"N	R26	81° 53' 42.313"E	18° 55' 9.375"N	R119	81° 52' 47.173"E	18° 53' 45.826"N	L88	81° 52' 53.726"E	18° 54' 41.598"N
C58	81° 53' 26.512"E	18° 55' 8.051"N	R27	81° 53' 42.983"E	18° 55' 8.372"N	R120	81° 52' 48.023"E	18° 53' 44.191"N	L89	81° 52' 52.922"E	18° 54' 41.280"N
C59	81° 53' 24.989"E	18° 55' 8.369"N	R28	81° 53' 43.207"E	18° 55' 8.015"N	R121	81° 52' 48.774"E	18° 53' 42.915"N	L90	81° 52' 49.679"E	18° 54' 39.653"N
C60	81° 53' 23.900"E	18° 55' 8.338"N	R29	81° 53' 43.239"E	18° 55' 7.223"N	R122	81° 52' 48.818"E	18° 53' 42.179"N	L91	81° 52' 46.679"E	18° 54' 38.215"N
C61	81° 53' 22.660"E	18° 55' 7.578"N	R30	81° 53' 43.766"E	18° 55' 6.661"N	R123	81° 52' 48.243"E	18° 53' 41.722"N	L92	81° 52' 44.729"E	18° 54' 36.313"N
C62	81° 53' 22.050"E	18° 55' 6.989"N	R31	81° 53' 44.024"E	18° 55' 6.002"N	R124	81° 52' 47.394"E	18° 53' 41.452"N	L93	81° 52' 42.677"E	18° 54' 33.937"N
C63	81° 53' 21.782"E	18° 55' 6.135"N	R32	81° 53' 44.095"E	18° 55' 5.594"N	L1	81° 53' 37.960"E	18° 55' 40.857"N	L9		