

GOVERNMENT OF ODISHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-MISC-0011-2016- 20493 /FE&CC, Date 28 JUL 2025
10F (Cons) 34/2020

Whereas Forest block Jugal Reserve Forest has been recorded as Reserved Forest in the Division Memo No.10244/4F Dt.27/12/2024 indicating an area of 305.290 Ha in Betnoti Range of Baripada Forest Division as per Annexure-I.

And whereas, the Government of Odisha in the Forest & Environment Department have notified a "Standard Operating Procedure (SOP) for Geo-referencing of Forest Block boundary through DGPS Survey" in the Odisha Gazette vide Notification No.22572400112016-10F(Cons)77/2016/14097/F&E dtd.04.07.2017, for preparation of such geo-referenced forest maps in pursuance of the directives of Hon'ble Supreme Court in their Order dtd.06.07.2011 (in IA Nos. 1868, 2091, 2225-2227, 2380, 2568 and 2937 in Writ Petition (C) No. 202 of 1995 – Lafarge matter).

And whereas, the Government of Odisha have appointed all Tehsildars in their respective Tehsil jurisdiction in the respective Districts as Forest Settlement Officer (FSO) vide Notification No. 10 F (TR) 38/2020/7767/F&E Dated 21/05/2020.

And whereas, the Forest Revenue Joint Verification Committee has jointly verified and confirmed the boundary pillar positions as per report in Annexure-II.

And whereas, the Forest Settlement Officer has certified 'No Change' in the boundary extent of Jugal RF post 25th October 1980. The DGPS survey boundary coordinates have been verified by ORSAC and certified by the Forest Settlement Officer. The computed area (UTM Zone 45 N projection and WGS 84 datum) of the Jugal RF is 278.935 Ha. or 689.263 Ac. The change in area is due to method of Survey & Area Computation.

Therefore, it has been decided to supplement the existing notification of the Jugal RF with the above mentioned FSO certified DGPS surveyed Forest block map as per Annexure-III, and the statement of geo-coordinates of the forest block boundary pillar positions as per Annexure-IV , which shall be treated as the precise boundary description of the, Jugal RF and shall form an integral part of the original notification in place of any other form of boundary description notified earlier.

There shall be no change to the admitted rights in the original notification.

By order of the Governor,



(Satyabrata Sahu)

Additional Chief Secretary to Government

By e-mail: deputydirectorpp@rediffmail.com

Memo No. 20494 /FE&CC Date 28 JUL 2025

Copy with soft copy forwarded to the Director of Printing, Stationary & Publication, Odisha Cuttack for publication in an extra-ordinary issue of the Odisha Gazette & supply 50 copies of printed notification each to FE&CC Deptt./ Director Land Records & Surveys, Odisha, Cuttack/ Collector, Mayurbhanj, DFO, Baripada Forest Division/ Tahasildar- Betnoti, Dist- Mayurbhanj.

The Notification is statutory & may be assigned SRO Number.

deputy director
OSD-cum-Special Secretary to Government

Memo No. 20495 /FE&CC Date 28 JUL 2025

Copy forwarded to the PS to Hon'ble Chief Minister, Odisha for favour of kind information of Hon'ble Chief Minister/ PS to Hon'ble Minister, FE&CC, Labour & ESI for favour of kind information of Hon'ble Minister.

deputy director
OSD-cum-Special Secretary to Government

Memo No. 20496 /FE&CC Date 28 JUL 2025

Copy forwarded to the Assistant Inspector General of Forest, Govt. of India, Ministry of Environment & Forest & Climate Change (FC Division), Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003/ Deputy Director General of Forests (Central), Govt. of India, MoEF&CC, Regional Office, A/3, Chandrasekharpur, Bhubaneswar-23 for information & necessary action.

deputy director
OSD-cum-Special Secretary to Government

Memo No. 20497 /FE&CC Date 28 JUL 2025

Copy forwarded to the Revenue & Disaster Management Deptt./ ST & SC Development, Minorities & Backward Classes Welfare Department/ Member, Board of Revenue, Odisha, Cuttack/ Director Land Records & Surveys, Odisha, Cuttack/ RDC (CD) Cuttack/ Collector, Mayurbhanj/ Tahasildar- Betnoti, Dist.- Mayurbhanj for information & necessary action.

deputy director
OSD-cum-Special Secretary to Government

Memo No. 20498 /FE&CC Date 28 JUL 2025

Copy forwarded to the Principal Chief Conservator of Forest & HoFF, Odisha/ Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha/ Regional Chief Conservator of Forests, Baripada Circle/ Divisional Forest Officer, Baripada Forest Division for information & necessary action.

deputy director
OSD-cum-Special Secretary to Government

Memo No. 20499 /FE&CC Date 28 JUL 2025

Copy forwarded to the Head, State Portal, I.T. Centre, Odisha Secretariat, Bhubaneswar/ Deputy Secretary to Government, Office Establishment Section, FE&CC Department w.r.t their letter No.21646/F&E dtd.22.11.2016 for information and necessary action.

deputy director
OSD-cum-Special Secretary to Government





OUR SIMILIPAL
OUR PRIDE



ଆମ ଶିଳିପିପାଳ
ଆମ ଗର୍ବ

OFFICE OF THE DIVISIONAL FOREST OFFICER,
BARIPADA FOREST DIVISION, BARIPADA, MAYURBHANJ, ODISHA
Telephone no. 06792-252613, 252622 and Fax 255770, e-mail: dfo.baripada@odisha.gov.in

Memo No 10244/4F Dt. 27.12.24

To

The Principal Chief Conservator of Forests and HoFF,
Odisha, Bhubaneswar

Sub:

Certificate in respect of the Forest Blocks.

Ref:-

Memo No. 12453 date 29.07.2020.

As directed vide Para No.02 of the above referred letter this is to certify that, copy of the original notification in respect of the following notified forest blocks are not readily available in this Division.

SL.NO	NAME OF FOREST BLOCK	Type	FOREST RANGE	Notification AREA in Ha.
1	Ambadiha	PF	Bangiriposi	14.030
2	Budapahada	PF	Bangiriposi	1400.000
3	Dighi	RF	Bangiriposi	515.940
4	Ghuma	PF	Bangiriposi	600.000
5	Hill Block-I	PF	Bangiriposi	712.750
6	Juha PRF	PRF	Bangiriposi	86.040
7	Kopadiha	PF	Bangiriposi	10.730
8	Maheshpur	PF	Bangiriposi	98.430
9	Pimpudijharan	PF	Bangiriposi	60.970
10	Rangahudi	RF	Bangiriposi	86.670
11	Thakurani	RF	Bangiriposi	497.020
12	Aghasole	RF	Baripada	37.550
13	Asanabani	PRF	Baripada	57.030
14	Badsahi	RF	Baripada	340.740
15	Baldiha	RF	Baripada	110.130
16	Belpal	RF	Baripada	110.600
17	Bhagabat Chandrapur	RF	Baripada	806.280
18	Bidhyadharpur	RF	Baripada	238.760
19	Budhikhamari	RF	Baripada	863.100
20	Chakradharpur	RF	Baripada	141.310
21	Chengua-Mangalpur	RF	Baripada	79.640
22	Deulia	RF	Baripada	241.670
23	Dukura	RF	Baripada	162.750
24	Dungurusahi	RF	Baripada	10.950
25	Gojodi-Damodarpur	RF	Baripada	33.020
26	Haldia	RF	Baripada	52.000
27	Hatikote	RF	Baripada	556.840

SL.NO	NAME OF FOREST BLOCK	Type	FOREST RANGE	Notification AREA in Ha.
28	Itamundia	RF	Baripada	111.370
29	Itamundia-Jamuna	RF	Baripada	111.250
30	Jarkani	RF	Baripada	10.680
31	Kanthal	PF	Baripada	510.000
32	Kerko	RF	Baripada	110.070
33	Khanua	RF	Baripada	113.680
34	Kuldiha	RF	Baripada	25.250
35	Lulung-Purunapani	RF	Baripada	223.310
36	Manchabandha	RF	Baripada	1020.920
37	Pundala	RF	Baripada	17.970
38	Purunapani	RF	Baripada	42.730
39	Badguma	RF	Betnoti	28.970
40	Baisinga	RF	Betnoti	108.440
41	Balka	RF	Betnoti	23.960
42	Bartana	RF	Betnoti	194.890
43	Basantapur	RF	Betnoti	113.800
44	Beldiha	RF	Betnoti	41.600
45	Bhimpur	RF	Betnoti	18.290
46	Bishrampur	RF	Betnoti	42.250
47	Daldali	RF	Betnoti	71.220
48	Gad-Deulia	RF	Betnoti	58.730
49	Gobindapur	RF	Betnoti	11.820
50	Gopalpur	RF	Betnoti	10.880
51	Haripur	RF	Betnoti	41.280
52	Hatijhuri	RF	Betnoti	109.110
53	Hempur	RF	Betnoti	290.790
54	Jarka	RF	Betnoti	6.630
55	Jugal	RF	Betnoti	305.290
56	Kalma	RF	Betnoti	24.360
57	Kapoi	RF	Betnoti	109.260
58	Kendua	RF	Betnoti	6.658
59	Khadikapada	RF	Betnoti	75.110
60	Khetrapatana	RF	Betnoti	4.210
61	Khiripada	RF	Betnoti	420.540
62	Machhapada	RF	Betnoti	62.810
63	Mantapal	RF	Betnoti	222.730
64	Merda	RF	Betnoti	495.820
65	Mohanpur	RF	Betnoti	35.130
66	Nuagaon	RF	Betnoti	39.330
67	Phuljhari	RF	Betnoti	217.420
68	Purunia	RF	Betnoti	442.300
69	Raikama	RF	Betnoti	191.340
70	Thakurtota	RF	Betnoti	73.330
71	Tikayatpur	RF	Betnoti	160.960
72	Asanabani A	RF	Kaptipada	262.560
73	Nachhipur	RF	Kaptipada	229.000
74	Notto	RF	Kaptipada	7707.080
75	Amarda	RF	Rasgovindpur	1512.200
76	Baghajharan	RF	Rasgovindpur	147.950

SL.NO	NAME OF FOREST BLOCK	Type	FOREST RANGE	Notification AREA in Ha.
77	Baldiha	RF	Rasgovindpur	95.830
78	Betnasia	RF	Rasgovindpur	110.230
79	Bharadasole	RF	Rasgovindpur	50.670
80	Chitrada	RF	Rasgovindpur	422.640
81	Jamsole	RF	Rasgovindpur	434.300
82	Moroda	RF	Rasgovindpur	1479.140
83	Nalagaja	RF	Rasgovindpur	260.290
84	Nichuapada	RF	Rasgovindpur	52.280
85	Nuajhalia	RF	Rasgovindpur	50.500
86	Nunchatia	RF	Rasgovindpur	148.270
87	Sarumula	RF	Rasgovindpur	330.220
88	Sukhilakhali	RF	Rasgovindpur	231.310
89	Anantasahi	RF	Udala	7.120
90	Belakuti	RF	Udala	223.380
91	Bhandagaon	RF	Udala	122.210
92	Charada	RF	Udala	7.120
93	Dhaundia	RF	Udala	524.790
94	Dimgadia	RF	Udala	6.960
95	Dugdha	RF	Udala	35.290
96	Ghantasila	RF	Udala	5.340
97	Jaypur	RF	Udala	27.800
98	Kanpura	RF	Udala	533.850
99	Khunta	RF	Udala	427.990
100	Kuamara	RF	Udala	229.530
101	Kuriakhunta	RF	Udala	7.450
102	Marsigaon	RF	Udala	263.320
103	Mundhakata	RF	Udala	20.400
104	Nahara	RF	Udala	161.870
105	Naupada	RF	Udala	324.380
106	Phuljhari A	RF	Udala	315.650
107	Purunabari pada	RF	Udala	25.850
108	Sialia	RF	Udala	34.320
109	Sirathali	RF	Udala	74.140
110	Udala	RF	Udala	533.930

Counter Signed by

Field Director, Simlipal Tiger Reserve-
cum- Regional Chief Conservator of
Forests, Baripada Circle

Divisional Forest Officer
Baripada Forest Division

FOREST REVENUE JOINT VERIFICATION COMMITTEE REPORT

Forest Division: Baripada

Forest Range: Betnoti

Minutes of Joint Verification:

List of participation of the Forest-Revenue joint verification committee is given at Table 1.

Joint Verification of the boundary of **Jugal RF** Forest Block was carried out during 13-01-2023 to 13-01-2023. Existing pillar position recorded through GPS were plotted and compared against geo-referenced cadastral maps of adjoining villages. The verified forest boundary map is enclosed at Plate-1. Findings of the verification w.r.t. revenue cadastral is given below:


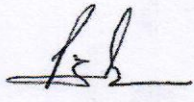

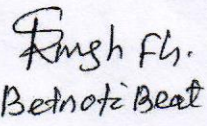

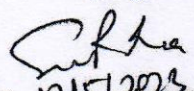
- Name of notified forest block: Jugal RF
- Notification no. & date: Not Available
- Area as per notification/WP/Register: 305.29 Ha.
- Existing no. of boundary demarcations in conformity with adjoining village boundary: 9 nos. (Annexure -1)
- Boundary demarcations (Proposed Pillars) in conformity with adjoining village boundary: 86 nos. (Annexure -2)
- Boundary demarcations (Virtual Pillars) in conformity with adjoining village boundary: 4 nos. (Annexure -4)
- GPS area of verified boundary: 278.727 ha
- GPS perimeter of verified boundary: 12.119 km

Observations:

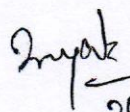
Notification & Traverse map are not available. The verified boundary approximately matching with MMV, and NFA more than CMA. Forest boundary demarcations pillars are in conformity with CMA, Existing pillars and HRSI. Change in area may be due to projection system and survey techniques. Since all peripheral settlements have occurred prior to 1980. There is no implication under FC Act.

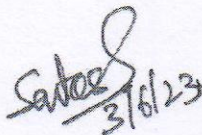
TABLE - 1

Forest and Revenue department officials(RO/Fr/FG/RI/Amin) and TP involved in Joint verification of Forest Boundary

Name	Designation	Signature
Ghanshyam Meena	Survey Engineer (ATL BBSR)	
Prasanta Kumar Singh Samanta	Forester	 Forester Betnoti Section
Ghanashyam Singh	Forest Range Officer	 Forest Range Officer BETNOTI RANGE
Raidhan Singh	Forest Guard	 Forest Guard Betnoti Beat
Nimita Behera	R. I. Jugpura	 12.5.23 Revenue Inspector Jugpura
Sajan Kumar Patra	RI Berhampura	 Revenue Inspector Berhampura

Counter Signed by:


26/5/23
**Tahasildar
BETNOTI**


3/6/23
**Divisional Forest Officer
Beripada Division**

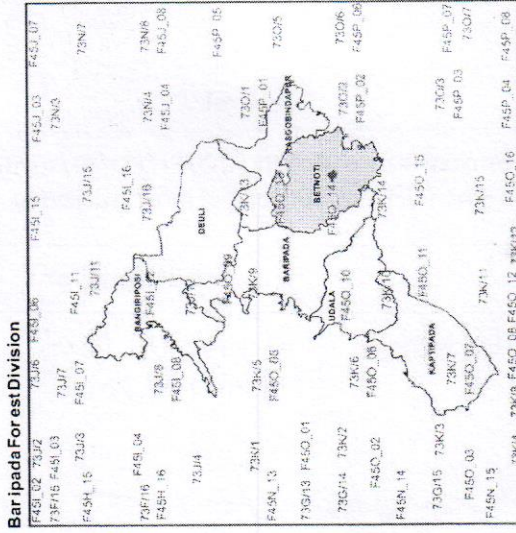
Geo-referencing of Notified Forests in Baripada Forest Division Reference Forest Block Boundary Map w.r.t Adjacent Revenue Village (cadastral) Boundary
(based on Forest Revenue Jt. Verification)
Jugal R.F., Betnoti Range



Legend

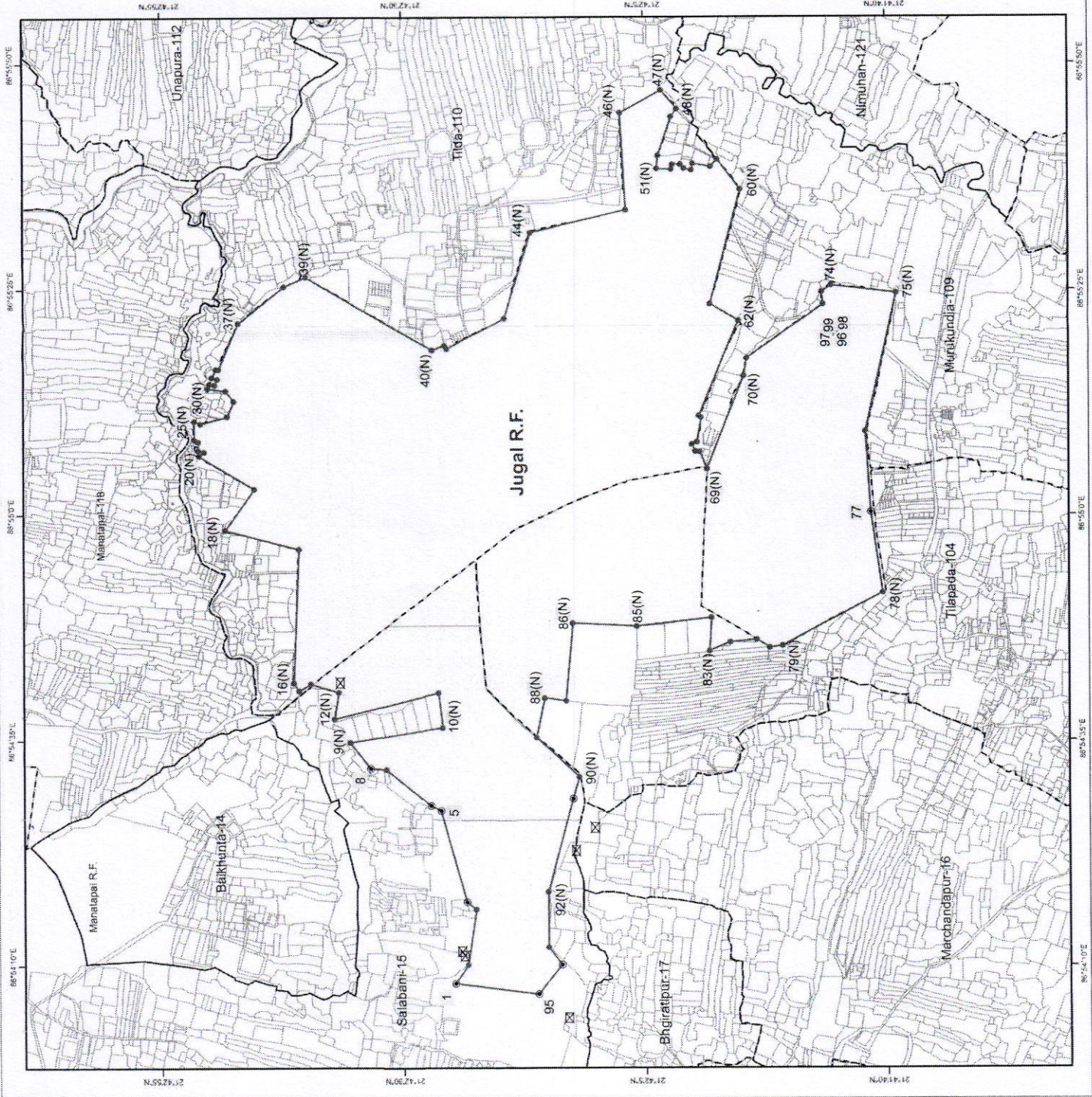
- Existing pillars (09 nos) ☒ Rejected pillar (05 nos)
- New pillars (86nos) - - - - - Village Boundary
- Virtual pillar (4nos) □ RF Boundary

Index Map



* Notified Area = 305.290 ha.
 * GPS area as per joint Verification = 278.727 ha.

* Projected area in UTM Prj, Zone 45N & WGS 84 Datum



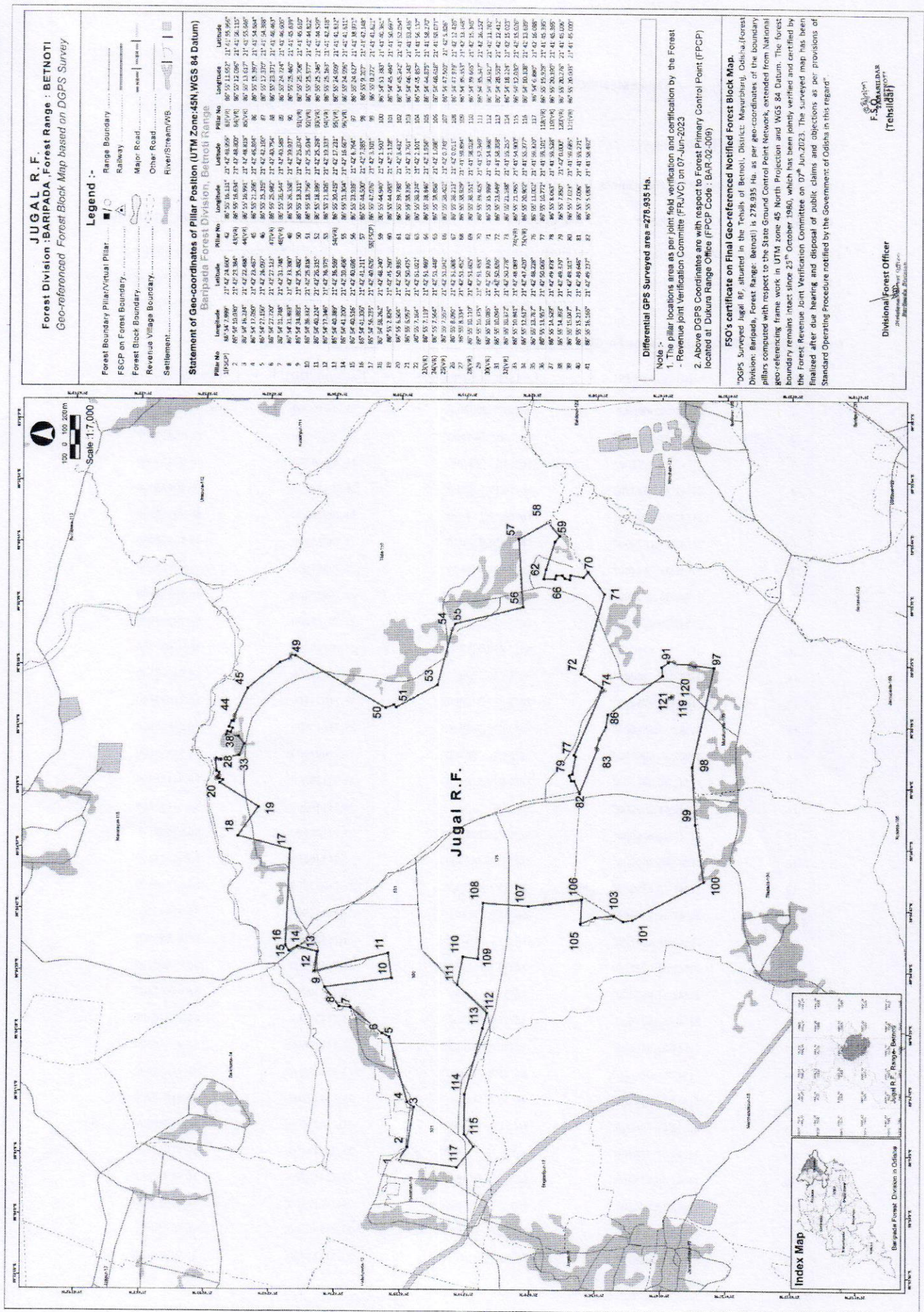
(Signature)
 Revenue Inspector
 Berhampur Range
 Juggpura

(Signature)
 Forester
Betnoti Section

(Signature)
 Surveyor (CDLTP)

Range officer
For-st Range Office
BETNOTI RANGE

Date: 13-Jan-2013
 Prepared by: Ananta Technologies Ltd (D.L.P.) Barabanki Circle



JUGAL R.F.
Forest Division :BARIPADA, Forest Range : BETNOTI
Geo-referenced Forest Block Map based on DGPS Survey

Legend :-

- Forest Boundary Pillar/Virtual Pillar
- FSCP on Forest Boundary
- Revenue Village Boundary
- Settlement
- Range Boundary
- Railway
- Major Road
- Other Road
- River/Stream/PS

Statement of Geo-coordinates of Pillar Position (UTM Zone:45N WGS 84 Datum)

Pillar No.	Longitude	Latitude	Pillar No.	Longitude	Latitude
1	86 50 16.1337	21 42 43.8267	61	86 50 38.7882	21 42 3.4327
2	86 50 16.1337	21 42 43.8267	62	86 50 38.7882	21 42 3.4327
3	86 50 16.1337	21 42 43.8267	63	86 50 38.7882	21 42 3.4327
4	86 50 16.1337	21 42 43.8267	64	86 50 38.7882	21 42 3.4327
5	86 50 16.1337	21 42 43.8267	65	86 50 38.7882	21 42 3.4327
6	86 50 16.1337	21 42 43.8267	66	86 50 38.7882	21 42 3.4327
7	86 50 16.1337	21 42 43.8267	67	86 50 38.7882	21 42 3.4327
8	86 50 16.1337	21 42 43.8267	68	86 50 38.7882	21 42 3.4327
9	86 50 16.1337	21 42 43.8267	69	86 50 38.7882	21 42 3.4327
10	86 50 16.1337	21 42 43.8267	70	86 50 38.7882	21 42 3.4327
11	86 50 16.1337	21 42 43.8267	71	86 50 38.7882	21 42 3.4327
12	86 50 16.1337	21 42 43.8267	72	86 50 38.7882	21 42 3.4327
13	86 50 16.1337	21 42 43.8267	73	86 50 38.7882	21 42 3.4327
14	86 50 16.1337	21 42 43.8267	74	86 50 38.7882	21 42 3.4327
15	86 50 16.1337	21 42 43.8267	75	86 50 38.7882	21 42 3.4327
16	86 50 16.1337	21 42 43.8267	76	86 50 38.7882	21 42 3.4327
17	86 50 16.1337	21 42 43.8267	77	86 50 38.7882	21 42 3.4327
18	86 50 16.1337	21 42 43.8267	78	86 50 38.7882	21 42 3.4327
19	86 50 16.1337	21 42 43.8267	79	86 50 38.7882	21 42 3.4327
20	86 50 16.1337	21 42 43.8267	80	86 50 38.7882	21 42 3.4327
21	86 50 16.1337	21 42 43.8267	81	86 50 38.7882	21 42 3.4327
22	86 50 16.1337	21 42 43.8267	82	86 50 38.7882	21 42 3.4327
23	86 50 16.1337	21 42 43.8267	83	86 50 38.7882	21 42 3.4327
24	86 50 16.1337	21 42 43.8267	84	86 50 38.7882	21 42 3.4327
25	86 50 16.1337	21 42 43.8267	85	86 50 38.7882	21 42 3.4327
26	86 50 16.1337	21 42 43.8267	86	86 50 38.7882	21 42 3.4327
27	86 50 16.1337	21 42 43.8267	87	86 50 38.7882	21 42 3.4327
28	86 50 16.1337	21 42 43.8267	88	86 50 38.7882	21 42 3.4327
29	86 50 16.1337	21 42 43.8267	89	86 50 38.7882	21 42 3.4327
30	86 50 16.1337	21 42 43.8267	90	86 50 38.7882	21 42 3.4327
31	86 50 16.1337	21 42 43.8267	91	86 50 38.7882	21 42 3.4327
32	86 50 16.1337	21 42 43.8267	92	86 50 38.7882	21 42 3.4327
33	86 50 16.1337	21 42 43.8267	93	86 50 38.7882	21 42 3.4327
34	86 50 16.1337	21 42 43.8267	94	86 50 38.7882	21 42 3.4327
35	86 50 16.1337	21 42 43.8267	95	86 50 38.7882	21 42 3.4327
36	86 50 16.1337	21 42 43.8267	96	86 50 38.7882	21 42 3.4327
37	86 50 16.1337	21 42 43.8267	97	86 50 38.7882	21 42 3.4327
38	86 50 16.1337	21 42 43.8267	98	86 50 38.7882	21 42 3.4327
39	86 50 16.1337	21 42 43.8267	99	86 50 38.7882	21 42 3.4327
40	86 50 16.1337	21 42 43.8267	100	86 50 38.7882	21 42 3.4327
41	86 50 16.1337	21 42 43.8267	101	86 50 38.7882	21 42 3.4327
42	86 50 16.1337	21 42 43.8267	102	86 50 38.7882	21 42 3.4327
43	86 50 16.1337	21 42 43.8267	103	86 50 38.7882	21 42 3.4327
44	86 50 16.1337	21 42 43.8267	104	86 50 38.7882	21 42 3.4327
45	86 50 16.1337	21 42 43.8267	105	86 50 38.7882	21 42 3.4327
46	86 50 16.1337	21 42 43.8267	106	86 50 38.7882	21 42 3.4327
47	86 50 16.1337	21 42 43.8267	107	86 50 38.7882	21 42 3.4327
48	86 50 16.1337	21 42 43.8267	108	86 50 38.7882	21 42 3.4327
49	86 50 16.1337	21 42 43.8267	109	86 50 38.7882	21 42 3.4327
50	86 50 16.1337	21 42 43.8267	110	86 50 38.7882	21 42 3.4327
51	86 50 16.1337	21 42 43.8267	111	86 50 38.7882	21 42 3.4327
52	86 50 16.1337	21 42 43.8267	112	86 50 38.7882	21 42 3.4327
53	86 50 16.1337	21 42 43.8267	113	86 50 38.7882	21 42 3.4327
54	86 50 16.1337	21 42 43.8267	114	86 50 38.7882	21 42 3.4327
55	86 50 16.1337	21 42 43.8267	115	86 50 38.7882	21 42 3.4327
56	86 50 16.1337	21 42 43.8267	116	86 50 38.7882	21 42 3.4327
57	86 50 16.1337	21 42 43.8267	117	86 50 38.7882	21 42 3.4327
58	86 50 16.1337	21 42 43.8267	118	86 50 38.7882	21 42 3.4327
59	86 50 16.1337	21 42 43.8267	119	86 50 38.7882	21 42 3.4327
60	86 50 16.1337	21 42 43.8267	120	86 50 38.7882	21 42 3.4327
61	86 50 16.1337	21 42 43.8267	121	86 50 38.7882	21 42 3.4327

Differential GPS Surveyed area =278.935 Ha.

Note :-

- The pillar locations area as per joint field verification and certification by the Forest Revenue Joint Verification Committee (FRJVC) on 07-Jun-2023
- Above DGPS Coordinates are with respect to Forest Primary Control Point (FPCP) located at Dukura Range Office (FPCP Code : BAR-02-009)

FSO's certificate on Final Geo-referenced Notified Forest Block Map.

"DGPS Surveyed Jugal R.F. situated in the Tehsil of Betnoti, District: Mayurbhanj, Odisha Forest Division: Baripada, Forest Range: Betnoti) is 278.935 Ha. as per geo-coordinates of the boundary pillars computed with respect to the State Ground Control Point Network, extended from National geo-referencing frame work in UTM zone 45 North Projection and WGS 84 Datum. The forest boundary remains intact since 23rd October 1980, which has been jointly verified and certified by the Forest Revenue Joint Verification Committee on 07th Jun.2023. This surveyed map has been finalized after due hearing and disposal of public claims and objections as per provisions of Standard Operating Procedure notified by the Government of Odisha in this regard".

Divisional Forest Officer
 (Signature)
 F.S.O. MAHARAJAR (Tehsil:Betnoti)

STATEMENT OF GEO-COORDINATES OF PILLAR POSITIONS

Forest Division: **Baripada** Forest Range : **Betnoti** Forest Block Name: **Jugal RF****Ground Control Point (GCP) References. (All coordinates in WGS84 datum & UTM Zone 45 projection)**

GCP Type	GCP Location	Latitude(DMS)	Longitude(DMS)	Latitude(DD)	Longitude(DD)
FPCP	Betnoti Range Office	21°47'46.669200"	86°39'41.277600"	21.79629700	86.66146600
FSCP1	Jugal RF , Pillar No- 1	21°42'24.660000"	86°54'7.999200"	21.70685000	86.90222200
FSCP2	Jugal RF , Pillar No- 58	21°42'3.099600"	86°55'47.074800"	21.70086100	86.92974300

Geo-coordinates of Boundary Pillar Position (Total: 121 nos.)

Pillar No	Latitude(DMS)	Longitude(DMS)	Latitude(DD)	Longitude(DD)
1	21°42'24.660000"	86°54'7.999200"	21.70685000	86.90222200
2	21°42'23.385600"	86°54'10.029600"	21.70649600	86.90278600
3	21°42'22.489200"	86°54'16.236000"	21.70624700	86.90451000
4	21°42'23.468400"	86°54'17.049600"	21.70651900	86.90473600
5	21°42'26.096400"	86°54'27.154800"	21.70724900	86.90754300
6	21°42'27.122400"	86°54'27.720000"	21.70753400	86.90770000
7	21°42'31.748400"	86°54'31.748400"	21.70881900	86.90881900
8	21°42'33.379200"	86°54'31.892400"	21.70927200	86.90885900
9	21°42'35.481600"	86°54'34.884000"	21.70985600	86.90969000
10	21°42'25.819200"	86°54'36.331200"	21.70717200	86.91009200
11	21°42'26.316000"	86°54'40.222800"	21.70731000	86.91117300
12	21°42'36.975600"	86°54'37.346400"	21.71027100	86.91037400
13	21°42'36.568800"	86°54'40.388400"	21.71015800	86.91121900
14	21°42'39.499200"	86°54'41.198400"	21.71097200	86.91144400
15	21°42'40.698000"	86°54'40.514400"	21.71130500	86.91125400
16	21°42'41.209200"	86°54'41.335200"	21.71144700	86.91148200
17	21°42'40.626000"	86°54'56.235600"	21.71128500	86.91562100
18	21°42'48.240000"	86°54'58.262400"	21.71340000	86.91618400
19	21°42'45.259200"	86°55'2.827200"	21.71257200	86.91745200
20	21°42'50.936400"	86°55'6.502800"	21.71414900	86.91847300
21	21°42'50.475600"	86°55'6.956400"	21.71402100	86.91859900
22	21°42'51.022800"	86°55'7.165200"	21.71417300	86.91865700
23	21°42'51.469200"	86°55'7.118400"	21.71429700	86.91864400
24	21°42'51.447600"	86°55'7.564800"	21.71429100	86.91876800
25	21°42'51.040800"	86°55'7.557600"	21.71417800	86.91876600
26	21°42'51.069600"	86°55'8.090400"	21.71418600	86.91891400
27	21°42'51.451200"	86°55'8.335200"	21.71429200	86.91898200
28	21°42'51.606000"	86°55'10.110000"	21.71433500	86.91947500
29	21°42'51.458400"	86°55'10.376400"	21.71429400	86.91954900
30	21°42'50.936400"	86°55'10.084800"	21.71414900	86.91946800
31	21°42'50.835600"	86°55'10.095600"	21.71412100	86.91947100
32	21°42'50.277600"	86°55'10.372800"	21.71396600	86.91954800
33	21°42'48.088800"	86°55'10.840800"	21.71335800	86.91967800

Pillar No	Latitude(DMS)	Longitude(DMS)	Latitude(DD)	Longitude(DD)
34	21°42'47.419200"	86°55'12.615600"	21.71317200	86.92017100
35	21°42'48.229200"	86°55'13.785600"	21.71339700	86.92049600
36	21°42'50.065200"	86°55'13.958400"	21.71390700	86.92054400
37	21°42'49.878000"	86°55'14.527200"	21.71385500	86.92070200
38	21°42'49.377600"	86°55'14.394000"	21.71371600	86.92066500
39	21°42'49.100400"	86°55'15.045600"	21.71363900	86.92084600
40	21°42'49.644000"	86°55'15.218400"	21.71379000	86.92089400
41	21°42'49.237200"	86°55'16.165200"	21.71367700	86.92115700
42	21°42'48.960000"	86°55'16.132800"	21.71360000	86.92114800
43	21°42'48.801600"	86°55'16.633200"	21.71355600	86.92128700
44	21°42'48.816000"	86°55'16.989600"	21.71356000	86.92138600
45	21°42'46.893600"	86°55'21.266400"	21.71302600	86.92257400
46	21°42'42.188400"	86°55'25.320000"	21.71171900	86.92370000
47	21°42'40.752000"	86°55'25.982400"	21.71132000	86.92388400
48	21°42'40.586400"	86°55'26.544000"	21.71127400	86.92404000
49	21°42'39.938400"	86°55'26.356800"	21.71109400	86.92398800
50	21°42'26.874000"	86°55'18.310800"	21.70746500	86.92175300
51	21°42'25.635600"	86°55'18.757200"	21.70712100	86.92187700
52	21°42'25.297200"	86°55'18.400800"	21.70702700	86.92177800
53	21°42'19.332000"	86°55'21.824400"	21.70537000	86.92272900
54	21°42'17.229600"	86°55'30.417600"	21.70478600	86.92511600
55	21°42'16.668000"	86°55'31.303200"	21.70463000	86.92536200
56	21°42'6.764400"	86°55'33.938400"	21.70187900	86.92609400
57	21°42'7.383600"	86°55'44.500800"	21.70205100	86.92902800
58	21°42'3.099600"	86°55'47.074800"	21.70086100	86.92974300
59	21°42'1.501200"	86°55'44.940000"	21.70041700	86.92915000
60	21°42'2.127600"	86°55'44.083200"	21.70059100	86.92891200
61	21°42'3.430800"	86°55'39.788400"	21.70095300	86.92771900
62	21°42'3.762000"	86°55'38.337600"	21.70104500	86.92731600
63	21°42'2.098800"	86°55'38.272800"	21.70058300	86.92729800
64	21°42'1.954800"	86°55'38.845200"	21.70054300	86.92745700
65	21°42'1.087200"	86°55'38.859600"	21.70030200	86.92746100
66	21°42'0.748800"	86°55'38.402400"	21.70020800	86.92733400
67	21°42'0.010800"	86°55'38.211600"	21.70000300	86.92728100
68	21°41'59.892000"	86°55'38.928000"	21.69997000	86.92748000
69	21°41'58.027200"	86°55'38.550000"	21.69945200	86.92737500
70	21°41'57.350400"	86°55'39.403200"	21.69926400	86.92761200
71	21°41'54.967200"	86°55'35.997600"	21.69860200	86.92666600
72	21°41'58.358400"	86°55'23.649600"	21.69954400	86.92323600
73	21°41'55.255200"	86°55'21.536400"	21.69868200	86.92264900
74	21°41'54.898800"	86°55'21.093600"	21.69858300	86.92252600
75	21°41'55.377600"	86°55'20.902800"	21.69871600	86.92247300
76	21°41'59.319600"	86°55'11.002800"	21.69981100	86.91972300
77	21°41'59.100000"	86°55'10.772400"	21.69975000	86.91965900
78	21°41'59.528400"	86°55'8.061600"	21.69986900	86.91890600

Pillar No	Latitude(DMS)	Longitude(DMS)	Latitude(DD)	Longitude(DD)
79	21°41'59.996400"	86°55'7.849200"	21.69999900	86.91884700
80	21°41'59.686800"	86°55'7.021200"	21.69991300	86.91861700
81	21°41'59.269200"	86°55'7.006800"	21.69979700	86.91861300
82	21°41'58.491600"	86°55'5.088000"	21.69958100	86.91808000
83	21°41'55.957200"	86°55'11.953200"	21.69887700	86.91998700
84	21°41'56.115600"	86°55'12.097200"	21.69892100	86.92002700
85	21°41'55.647600"	86°55'13.616400"	21.69879100	86.92044900
86	21°41'54.682800"	86°55'15.398400"	21.69852300	86.92094400
87	21°41'54.387600"	86°55'17.371200"	21.69844100	86.92149200
88	21°41'46.464000"	86°55'23.372400"	21.69624000	86.92315900
89	21°41'46.604400"	86°55'24.722400"	21.69627900	86.92353400
90	21°41'45.639600"	86°55'25.460400"	21.69601100	86.92373900
91	21°41'45.610800"	86°55'25.708800"	21.69600300	86.92380800
92	21°41'44.822400"	86°55'25.575600"	21.69578400	86.92377100
93	21°41'44.530800"	86°55'25.244400"	21.69570300	86.92367900
94	21°41'42.417600"	86°55'25.161600"	21.69511600	86.92365600
95	21°41'41.830800"	86°55'24.909600"	21.69495300	86.92358600
96	21°41'41.611200"	86°55'24.996000"	21.69489200	86.92361000
97	21°41'38.972400"	86°55'24.628800"	21.69415900	86.92350800
98	21°41'42.147600"	86°55'9.206400"	21.69504100	86.91922400
99	21°41'41.622000"	86°55'0.271200"	21.69489500	86.91674200
100	21°41'40.362000"	86°54'51.382800"	21.69454500	86.91427300
101	21°41'50.697600"	86°54'45.493200"	21.69741600	86.91263700
102	21°41'52.054800"	86°54'45.241200"	21.69779300	86.91256700
103	21°41'53.437200"	86°54'46.141200"	21.69817700	86.91281700
104	21°41'56.137200"	86°54'45.856800"	21.69892700	86.91273800
105	21°41'58.268400"	86°54'44.874000"	21.69951900	86.91246500
106	21°41'58.070400"	86°54'48.618000"	21.69946400	86.91350500
107	21°42'5.824800"	86°54'47.509200"	21.70161800	86.91319700
108	21°42'12.427200"	86°54'47.980800"	21.70345200	86.91332800
109	21°42'13.147200"	86°54'39.355200"	21.70365200	86.91093200
110	21°42'15.346800"	86°54'39.664800"	21.70426300	86.91101800
111	21°42'16.153200"	86°54'35.348400"	21.70448700	86.90981900
112	21°42'11.782800"	86°54'30.916800"	21.70327300	86.90858800
113	21°42'12.412800"	86°54'28.551600"	21.70344800	86.90793100
114	21°42'15.022800"	86°54'18.223200"	21.70417300	86.90506200
115	21°42'15.026400"	86°54'12.031200"	21.70417400	86.90334200
116	21°42'13.640400"	86°54'10.108800"	21.70378900	86.90280800
117	21°42'16.088400"	86°54'6.879600"	21.70446900	86.90191100
118	21°41'45.394800"	86°55'19.927200"	21.69594300	86.92220200
119	21°41'45.366000"	86°55'20.190000"	21.69593500	86.92227500
120	21°41'45.006000"	86°55'20.276400"	21.69583500	86.92229900
121	21°41'44.998800"	86°55'20.002800"	21.69583300	86.92222300