

OFFICE OF THE DIVISIONAL FOREST OFFICER: KHORDHA DIVISION, KHORDHA
AT / PO / DIST. - KHORDHA

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MemoNo. 7823 4F (Misc)

Dated, Khordha 18 the December, 2023.

To

The Regional Chief Conservator of Forests,
Bhubaneswar Circle, Bhubaneswar.

Sub: Proposal for diversion of 32.717 hact of Revenue forest land in Mouza-Harapur, Harekrushnapur, Durgapur and Alkar under Jatni Tahasil in Khordha District for establishment of Infovalley Electronic Manufacturing Cluster.

Ref: Memo No. 21159 dtd.30.10.2023 of Conservator of Forests (Nodal) O/o the Principal Chief Conservator of Forests, HoFF, Odisha, Bhubaneswar.

With reference to the subject mentioned above & letter under reference the following compliances are provided against discrepancies as mentioned.

Point No.10 - Non-forest Govt. land over 10.777 ha. in village Chandapur & over 32.388 ha. in village Barasahi have been identified. DFO, Khordha Forest Division has also furnished the site suitability certificate, Why DFO, Khordha has preferred to take up AR plantation over DFL in Pangarsingh R.F @1600 plants/ha without doing DSS analysis to the identified Govt. non-forest CA land.

➤ DSS analysis of 10.777 ha. Chandpur village shows the areas as non-forest. Therefore AR Plantation @ 1600 plants per ha. is suggested.

➤ DSS analysis of 32.388 ha. in Barasahi village shows that the area is scrub forest. The area was inspected by the undersigned on 18.12.2023 & found that due to existing vegetation, only ANR with a gap of 200 plantation per ha. is feasible. Therefore, for plantation of balance seedlings 10ha. AR plantation is proposed in Pangarsingh RF.

➤ DSS analysis of 9.896 ha. area in Pangarsingh RF shows that the area is non-forest.

Point No.11 - It is Proposed to take up AR Plantation over 20.673 ha. both on Govt. non-forest land & Degraded Forest Land on Pangarsingh RF. Fencing provision is proposed for 9.896 ha. AR plantation to be taken up in RF. What about the fencing to AR plantation proposed to be taken up over 10.777 ha non-forest Govt. land in village Barasahi.

➤ Chain link wireless fencing is proposed for both AR plantation of 10.777 ha. @ 1600 plants per ha. in Chandpur village & ANR plantation of 32.388ha. @ 200 plants per ha. In addition to it SMC type-C model is proposed.

Point No.12 - Bamboo twigs fencing may be prescribed on degraded forest land on Pangarsingh RF instead of Chain link wireless fencing.

➤ Bamboo twigs fencing is prescribed for Degraded Forest Land in Pangarsingh RF instead of Chain link wireless fencing.

Point no. 13 - KML/file/Shape file of the identified CA land and Pdf of the project has not been provided.

➤ KML file of the identified Compensatory Afforastration land & pdf of the project as enclosed.

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Therefore, the revised Compensatory Afforestation Scheme for AR plantation over 20.673 ha. & ANR plantation 32.388 ha. is revised & enclosed herewith in 6copies for your kind reference.

Encl: As above

Prai
18/12/23
Divisional Forest Officer,
Khordha Division, Khordha.

Memo No. 7824 /Date. 18-12-2023

Copy submitted to the Conservator of Forests, (Nodal), O/o the Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC Act O/o the Pr. Chief Conservator of Forests, HoFF Odisha, Aranya Bhawan.

Prai
18/12/23
Divisional Forest Officer,
Khordha Division, Khordha

Memo No. 7825 /Date. 18-12-2023

Copy submitted to the Chief General Manager (Env.), IDCO for information and necessary action with reference to letter no.HO-CGM(Env.)/180/2018/34458 dated 31.10.2023.

Prai
18/12/23
Divisional Forest Officer,
Khordha Division, Khordha

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SCHEME DETAILS

NAME OF THE SCHEME	COMPENSATORY AFFORESTATION
NAME OF IMPLEMENTING AGENCY	DIVISIONAL FOREST DIVISION, KHORDHA FOREST DIVISION.
NAME OF THE PROJECT	PLANTATION IN CHANDAPUR, BARASAH & PANGARSINGH RF (3 PATCHES) OF KHORDHA RANGE UNDER KHORDHA FOREST DIVISION IN LIEU OF DIVERSION OF FOREST LAND AGAINST ESTABLISHMENT OF INFOVALLY ELECTRONICS MANUFACTURING CLUSTER.
NAME OF THE USER AGENCY	IDCO
PROJECT OF USER AGENCY	ESTABLISHMENT OF INFOVALLY ELECTRONICS MANUFACTURING CLUSTER.
NAME OF THE SITE	CHANDAPUR, BARASAH & PANGARSINGH RF.
NAME OF THE RANGE	KHORDHA
AFFORESTATION MODEL	AR PLANTATION @1600 PLANTS / HA.
	ANR PLANTATION @200 PLANTS / HA.
TOTAL AREA FOR PLANTATION	AR – 20.673 HA. & ANR – 32.388 HA.
SCHEME IMPLETION PERIOD	10 YEARS (0 TH TO 10 TH)

Scheme for Compensatory Afforestation proposed in Chandapur & Barasahi village & Pangarsingh RF of Khordha Tahasil in lieu of diversion of forest land under City Forest Division (Bhubaneswar) for Establishment of Infovally Electronics Manufacturing Cluster by Odisha Industrial Infrastructure Development Corporation, (IDCO), Bhubaneswar.

Introduction:

Khordha Forest Division is situated in the eastern part of Odisha between 19° 40' N to 20° 28' N latitude and 84° 55' E to 86° 05' E Longitude. Khordha forest division spans over areas of Khordha, Nayagarh, Puri and Cuttack districts. This division has 6 ranges, 24 sections and 95 beats. The total geographical area of the division is 3588.50 sq km, while the forest area is 674.66 sq km i.e., 18.79 % of the total geographical area of the division. The forest areas of this division are distributed in the manner of 68% in Khordha district, 31% in Nayagarh district and 1% in Puri district. The District-wise forest area is given below:

District	Reserve Forest (in ha.)	D.P.F. (in ha.)	P.R.F. (in ha.)	Village Forest (in ha.)	Un-classed Forest (in ha.)	Forest under Rev. Deptt. (As per DLC in ha)	Total (in ha.)
Khordha	19,979.27	16,868.25	98.42	661.88	68.26	8095.33	45,771.41
Nayagarh	20,362.12	-	-	74.67	17.00	282.46	20,736.25
Puri	-	-	435.07	-	-	86.69	521.76
Cuttack	-	-	-	168.00	0.40	-	168.40
G. Total	40,341.39	16,868.25	533.49	904.55	85.66	8,464.48	67,197.82

The above figure indicates that out of the total forest area of this Division 60% is Reserved Forest, 25% DPF, 0.8% PRF, 1.4% VF, 0.13% un-classed forest and the balance 12.67% is under the management of Revenue Deptt.

IDCO has applied 97.745 Acs (39.556 Ha) of forest land and 632.273 Acs of non forest land for establishment of Industries i.e Infovally Electronics Manufacturing Cluster in the village Harapur, Harekrushnapur, Alkar, Durgapur, Arisel and Goudakasipur in Jatni Tahasil of Khordha District.

NAME OF THE PROJECT

INFOVALLY ELECTRONICS MANUFACTURING CLUSTER.

OBJECTIVE

Objective of the project is to set up a Greenfield cluster in the Capital City of Odisha for electronic manufacturing. The project is positioned for financial assistance under electronic manufacturing Cluster scheme of Department of Electronics and information technology (Deit) Govt. of India. The project is intended to help the State in developing the ecosystem for electronic manufacturing in the State.

SITE SELECTION

The non-forest Govt. land has been identified in the village Chandapur- 26.630 Acs and Barasahi- 80.03 Acs of Khordha Tahasil of Khordha Range under Khordha Forest Division. The identified areas are adjacent to Chandpur K.F. and very nearer to Khordha Town. The forest Deptt. has also raised plantations in the nearby areas. This will facilitate better management in future. The sites were inspected by Range Officer Khordha, Revenue staff and IDCO staff found suitable for Compensatory Afforestation.

DSS Analysis of Chandapur over 10.777 ha. is Non-Forest, therefore, plantation for AR @ 1600 plants is proposed.

DSS Analysis of Barasahi over 32.388 ha. is Scrub Forest, therefore, due to forest existence, plantation for ANR @ 200 plants is proposed.

DSS Analysis of Pangarsingh over 9.896 ha. is Non-Forest, Therefore, plantation for AR @ 1600 plants is proposed.

Moreover, the forest land has been identified in Pangarsingh RF – 10.00 ha. near village Chiramaru for taking up AR plantation @ 1600 plants per Hectare.

Land Schedule:-

Name of the village :- Chandpur

Name of the Tahasil :- Khordha

Sl. No.	Name of Village	Khata No.	Plot No.	Total area in Acs	Area in ha.	Area for alienation	Area in ha.	Kisam
1	2	3	4	5	6	7	8	9
1	Chandapur	244	58	7.025	2.8429	7.025	2.8429	Puratan patita
				9.200	3.7231	9.200	3.7231	-do-
				10.405	4.2107	10.405	4.2107	-do-
			Total	26.630	10.7767	26.630	10.7767	

Name of the village :- Barasahi

Name of the Tahasil :- Khordha

Sl. No.	Name of Village	Khata No.	Plot No.	Total area in Acs	Area in ha.	Area for alienation	Area in ha.	Kisam
1	Barasahi	561	1602	68.280	27.6324	68.280	27.6324	
			1602	11.750	4.7550	11.750	4.7550	
			(p)					
			Total		32.3874	106.660	32.3874	

Name of the village :- Chiramaru

Sl. No.	Name of Village	Name of degraded Forest land	Area identified in ha.	Area to be taken for CA in ha.	Kisam
1	2	4	5	6	7
1	Chiramaru	Pangarsingh RF	10.00	9.896	Reserve Forest
		Total	10.00	9.896	

Salient facts of the site.

1. Jurisdiction of Beat/section – Khordha
2. Area of plantation – AR over 20.673 ha. & ANR over 32.388 ha.
3. Soil type – Morum mixed with soil.
4. Choice of species:-
 - i. Azadiracta indica (Neem)
 - ii. Aegle marmelos (Bela)
 - iii. Emblica officinalis (Amla)
 - iv. Pongamia pinnata (Karanja)
 - v. Ziziphus mauritiana (Barakoli)
 - vi. Syzigium cuminii (Jamu)
 - vii. Dendrocalamus strictus (Bamboo)
 - viii. Artocarpus heterophyllus (Jackfruit)
 - ix. Dalbergis sissoo (Sissoo)
 - x. Gmelina arborea (Gambhari)
 - xi. Saraca asoca (Ashoka)
 - xii. Terminalia arjuna (Arjuna)
 - xiii. Terminalia tomentosa (Asan)
 - xiv. Mimosa elengi (Baula)

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- xv. Bambox ceiba (Simili)
 - xvi. Pterocarpus marsupium (Bija)
 - xvii. Xylia xylocarpa (Kangada)
 - xviii. Bridelia retusa (Kasi)
 - xix. Mangifera indica (Mango)
 - xx. Dillenia indica (Oau)

➤ A site specific plantation norm is enclosed in Annexure:-

The total estimate cost is Rs. **3,36,05,255/-**, the year wise abstract of plantation cost is also projected in the norm.

➤ The scheme is proposed to be implemented over a period of 10 years.

Plantation Method

- (i) Alignment, stacking and pitting will be taken up from the month of January to March having pit size 45 cm x 45 cm x 45 cm at a spacing 2.5 mt x 2.5 mt @ 1600 pits per hectare for AR model and @200 pits per hectare for ANR model.
- (ii) **Plantation model** - It is proposed to take up AR Plantation @ 1600 plants per hectare and ANR Plantation @200 plants per hectare. Soil and moisture conservation measures like staggered trenches will be implemented as per the cost norm approved by the PCCF & HoFF, Odisha, Bhubaneswar in addition to other specific inputs.

(iii) **Fencing:-** The periphery of three sides are

- 1. Chandpur – 1678 rmt. (AR plantation)
- 2. Barasahi - 4121 rmt (ANR plantation)
- 3. Pangarsingh RF – 1513 rmt. (AR plantation)

Total:- 7312 rmt.

It needs to cover 5799 rmt along the periphery of area by Angle Iron & Chain Link Wire Mesh fencing for well protection of Plantations in revenue land & 1513 rmt periphery of area by bamboo twings & thorns .

The Plantation will be taken up as per One time Cost Norm with 18 months old seedlings approved by the PCCF & HoFF, Odisha, Bhubaneswar.

1. PROJECT COST FOR CHANDAPUR (AR PLANTATION)

Sl. No.	Item of work	Unit	Unit Cost	Funds required
1	Creation of AR plantation @1600 plants per Ha. along with 10 years maintenance (as per cost in Annexure – 5 & Matrix for Model-I B)	10.777 Ha	341903	36,84,688.63
2	Angle Iron & Chain Link wire mesh fencing (As per Fencing Model – F-II)	1678 Rmt	1849.264	31,03,064.99
3	Watering provision to CA Plantation (as per Watering Model-W-I)	10.777	223076	24,04,090.05
4	Soil & Moisture Conservation (as per Matrix Model-C)	10.777	39284	4,23,363.67
			Total	96,15,207.34
	Total Project Cost of Chandapur			96,15,207.00

2. PROJECT COST FOR PANGARSINGH RF (AR PLANTATION)

Sl. No.	Item of work	Unit	Unit Cost	Funds required
1	Creation of AR plantation @1600 plants per Ha. along with 10 years maintenance (as per cost in Annexure – 5 & Matrix for Model-I B)	9.896 Ha.	341903	33,83,472.09
2	Fencing with Bamboo Twings and thorns (As per Fencing Model – F-I)	1513 Rmt	440.856	6,67,015.13
3	Soil & Moisture Conservation (as per Matrix Model-C)	9.896 Ha.	39284	3,88,754.46
			Total	44,39,241.68
	Total Project Cost of Pangarsingh RF			44,39,241.00

3. PROJECT COST FOR BARASAH (ANR PLANTATION)

Sl. No.	Item of work	Unit	Unit Cost	Funds required
1	Creation of ANR plantation @200 plants per Ha. along with 10 years maintenance (as per cost in Annexure – 6 & Matrix for ANR-200 plants per Ha)	32.388 Ha.	105986	3432674.568
2	Angle Iron & Chain Link wire mesh fencing (As per Fencing Model – F-II)	4121 Rmt	1849.264	7620816.944
3	Watering provision to CA Plantation (as per Watering Model-W-I)	32.388 Ha.	223076	7224985.488
4	Soil & Moisture Conservation (as per Matrix Model-C)	32.388 Ha.	39284	1272330.192
			Total	1,95,50,807.19
	Total Project Cost of Barasahi			1,95,50,807.00

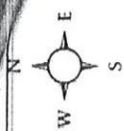
TOTAL COST OF PROJECT

Sl. No.	Name of Project	Area in ha.	Project Cost
1	PROJECT COST FOR CHANDAPUR (AR PLANTATION @1600 plants)	10.777	96,15,207.00
2	PROJECT COST FOR PANGARSINGH RF (AR PLANTATION @ 1600 plants)	9.896	44,39,241.00
3	PROJECT COST FOR BARSAHI (ANR PLANTATION @ 200 plants)	32.388	1,95,50,807.00
	TOTAL PROJECT COST		3,36,05,255.00

P. S. S.
18/12/20

Divisional Forest Officer,
Khordha Division, Khordha

CHANDPUR

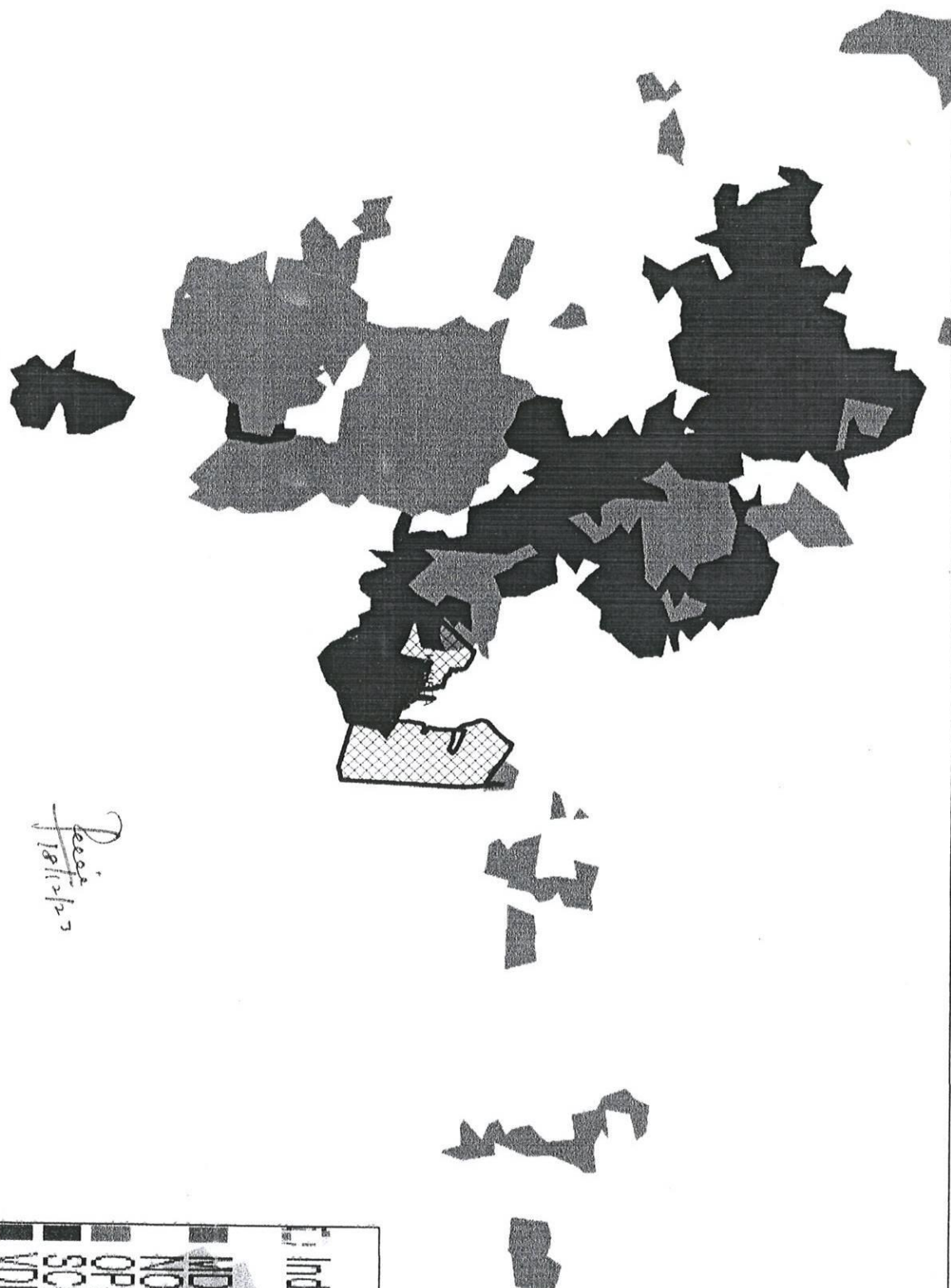
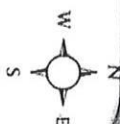


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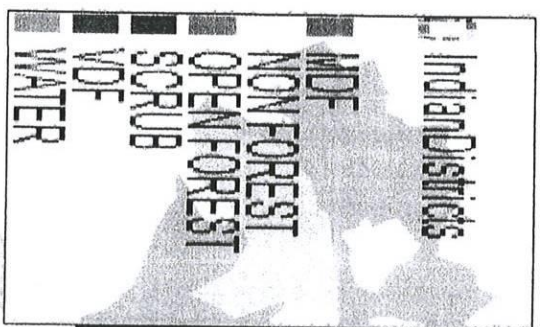
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Indian Districts

BARASAH

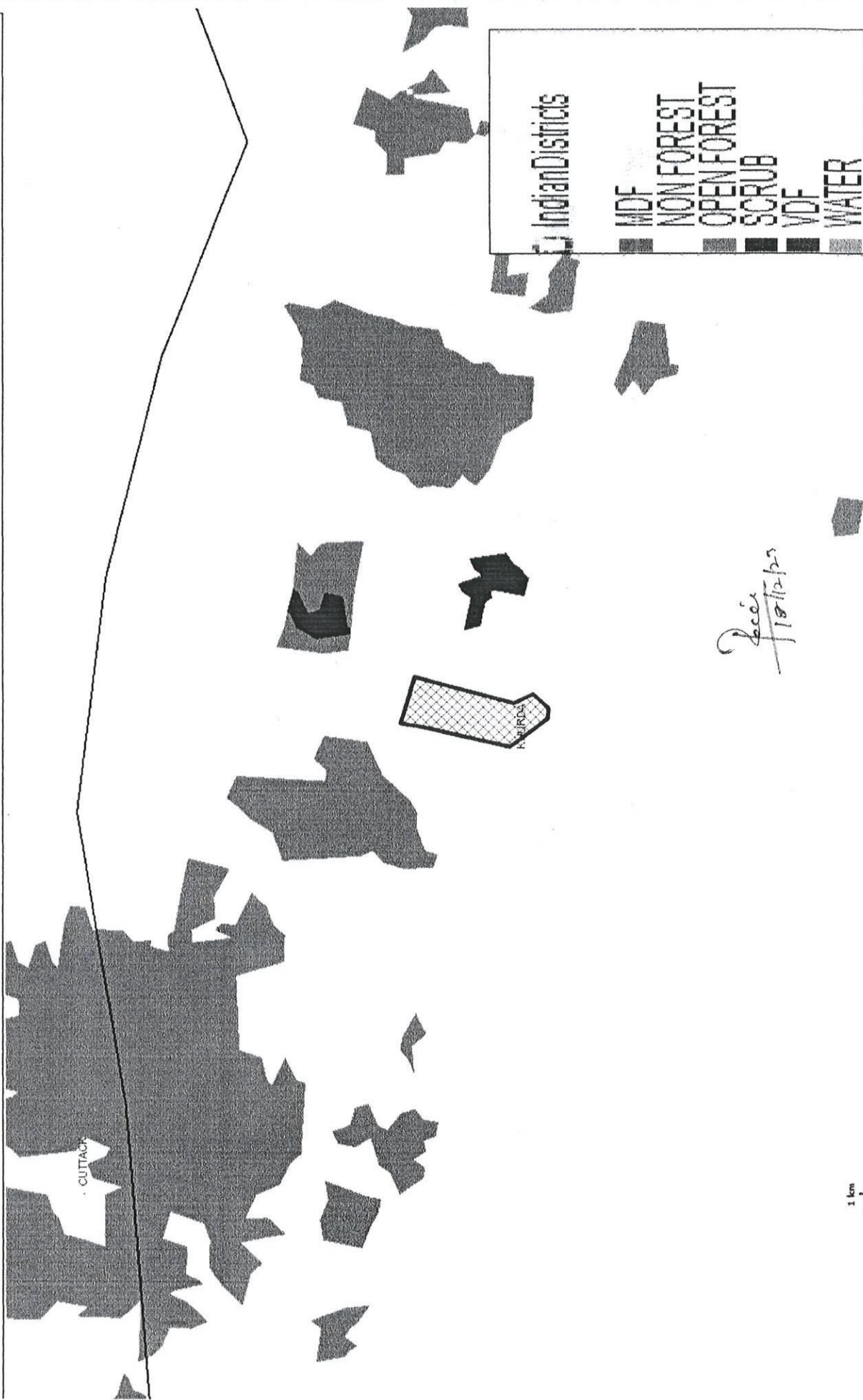
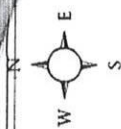


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18/12/23



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PANGARSINGH



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BOUNDARY COORDINATE FOR PROPOSED AR
PLANTATION – 10.777 HA. IN CHANDPUR VILLAGE.

PILLAR NO.	LONGITUDE	LATITUDE
1	85 34 30.97934	20 12 46.84429
2	85 34 26.15593	20 12 49.40557
3	85 34 26.64332	20 12 50.38077
4	85 34 24.89745	20 12 51.65012
5	85 34 25.27208	20 12 52.10318
6	85 34 23.47297	20 12 53.71452
7	85 34 24.55299	20 12 55.06374
8	85 34 22.79492	20 12 54.71778
9	85 34 20.86263	20 12 57.12659
10	85 34 31.77398	20 12 58.87168
11	85 34 37.32790	20 13 00.22547
12	85 34 36.61080	20 12 54.35994
13	85 34 35.69523	20 12 53.94371
14	85 34 34.42884	20 12 51.34852
15	85 34 33.28653	20 12 49.59107
16	85 34 34.45121	20 12 48.90913
17	85 34 33.96744	20 12 48.39169
18	85 34 32.66429	20 12 48.66943
19	85 34 32.26595	20 12 47.36522
20	85 34 31.09036	20 12 47.47033

BOUNDARY COORDINATE FOR PROPOSED ANR
PLANTATION – 32.388 HA. IN BARASAH VILLAGE.

PILLAR NO.	LONGITUDE	LATITUDE
1	85 33 58.12334	20 13 08.87288
2	85 33 57.25628	20 12 52.12125
3	85 33 55.41873	20 12 51.71272
4	85 33 51.01182	20 12 52.93350
5	85 33 40.69513	20 12 55.82365
6	85 33 30.81015	20 12 58.21472
7	85 33 27.72655	20 12 59.04377
8	85 33 38.44904	20 13 10.02499
9	85 33 38.41466	20 13 10.18809
10	85 33 39.58604	20 13 09.81032
11	85 33 40.85010	20 13 08.97730
12	85 33 41.07769	20 13 08.53394
13	85 33 40.93089	20 13 07.95123
14	85 33 41.25757	20 13 07.70076
15	85 33 40.99454	20 13 07.00756
16	85 33 41.90137	20 13 06.81451
17	85 33 41.89633	20 13 06.47701
18	85 33 41.89355	20 13 06.40080
19	85 33 43.54690	20 13 05.97173
20	85 33 43.48693	20 13 05.23395
21	85 33 43.72666	20 13 05.23745

22	85 33 44.28522	20 13 01.41739
23	85 33 44.45454	20 13 01.43731
24	85 33 44.88668	20 13 01.46099
25	85 33 44.79234	20 13 02.16074
26	85 33 45.20331	20 13 04.80968
27	85 33 45.25579	20 13 02.43171
28	85 33 45.72419	20 13 01.70395
29	85 33 44.48893	20 12 59.88717
30	85 33 44.73975	20 12 59.69407
31	85 33 46.37597	20 13 01.19344
32	85 33 46.68372	20 13 00.51302
33	85 33 46.81505	20 12 59.98787
34	85 33 46.91659	20 12 59.74817
35	85 33 46.96116	20 12 59.54632
36	85 33 47.69145	20 12 59.19330
37	85 33 48.51419	20 12 59.84174
38	85 33 48.66753	20 13 00.18648
39	85 33 48.64800	20 13 00.55263
40	85 33 48.66170	20 13 01.29336
41	85 33 48.80468	20 13 02.53896
42	85 33 49.08031	20 13 03.36629
43	85 33 49.74011	20 13 03.31135
44	85 33 50.25419	20 13 03.21534
45	85 33 50.25819	20 13 03.62878
46	85 33 49.47301	20 13 04.03751
47	85 33 49.77238	20 13 05.35319

48	85 33 49.79024	20 13 07.48561
49	85 33 51.21263	20 13 07.39824
50	85 33 52.61179	20 13 06.80908
51	85 33 53.21868	20 13 07.35939
52	85 33 52.62751	20 13 07.82663
53	85 33 49.87648	20 13 08.95203
54	85 33 49 78052	20 13 07.85355
55	85 33 49.09079	20 13 08.74660
56	85 33 48.88456	20 13 09.85160
57	85 33 48.26652	20 13 11.06266
58	85 33 48.38579	20 13 11.84965
59	85 33 48.44867	20 13 12.04003
60	85 33 49.97610	20 13 13.26454
61	85 33 49.97610	20 13 13.26454
62	85 33 51.32897	20 13 14.71042
63	85 33 51.73996	20 13 15.41837
64	85 33 52.60431	20 13 15.18683
65	85 33 57.52042	20 13 11.84966
66	85 33 57.68996	20 13 14.15662
67	85 33 57.85845	20 13 11.79888

BOUNDARY COORDINATE FOR PROPOSED BLOCK
PLANTATION – 9.896 HA. IN PANGARSINGH RF AT CHIRAMARU
VILLAGE

PILLAR NO.	LONGITUDE	LATITUDE
1	85.487967	20.28528
2	85.48784	20.284502
3	85.48708	20.281238
4	85.488163	20.279823
5	85.488563	20.279803
6	85.489103	20.28038
7	85.488762	20.281107
8	85.48979	20.284742