

Final Range wise Monitoring Evaluation Report

Monitoring & Evaluation Report of Plantations of BarkhaRange, Subarnapur

Division

Sl No	Division	Range	Scheme	Date of Inspection	Year of Plantation	AR/ANR/BH/UTP No of Plants per Ha.	Area in Ha./Nos/ RKM	Nos of Seedling Planted	Survival %	Avg. height in cm	Remarks
											1. Plantation Journal-Maintained 2. Inspection of RO and above 3. Entries of Inspection Remarks of RO & above Range Officer- ACF- DFO/BCCF- 3. Over all health of Plantation (Excellent/ Very Good/ Good/Average/Below Average) 4. OFMS verification of Plantation area (enclosed signed copy of map) 5. Correctness of areal/length/ RKM
	Subarnapur	Barkha	25-10-25	2025/25	ANR	1000 Nos	1000	100%			1. Plantation Journal-Maintained 2. Inspection of RO and above 3. Entries of Inspection Remarks of RO & above Range Officer- ACF- DFO/BCCF- 3. Over all health of Plantation (Excellent/ Very Good/ Good/Average/Below Average) 4. OFMS verification of Plantation area (enclosed signed copy of map) 5. Correctness of areal/length/ RKM

Signature of RFO of Barkha Range Officer

Signature - Barka RangeName & designation - Sanjay Kumar Verma, ACFDate - 25.10.2025

Signature of Team leader

Signature - Prabakaran Kumar Verma, ACFName & designation - Prabakaran Kumar Verma, ACFDate - 25/10/2025

Format for Circle Level Monitoring & Evaluation of Plantation Programme under different Schemes for the year 2025-26 of Bhawanipatna Circle.

1. Date of Inspection : 25-10-25
2. Name of the Division : Subarnapur
3. Name of the Range : Biska
4. Name of the Section : Durgapali
5. Name of the Beat : Behernamal
6. Name of Site : ANR gap plantation @ 200 plant/Ha. at Luddikeda over 30Ha (2025-26)
7. Name of VSS & whether resolution available for taking up plantation : Luddikeda & Available.
8. Name of the Scheme : Gmm
9. Name of the Plantation Component (Like AR/Bald Hill Plantation/ANR with gap / UTP/Avenue plantation etc.) : ANR with gap
10. Physical Target : 6000 Nos. plant.
11. Area in Ha/RKM/Nos : 30 Ha.
12. Land Status (with name of RF/PRF/VF etc.) : RF
13. Treatment Map : Yes
14. No. of panting patch : 3
14. No of pillar posted in plantation site : 17
16. Asset Id as per OFMS : Yes 2025-140037
15. Species wises seedlings planted (As per the Plantation Journal)

Sl. No	Name of the species	No of plants planted	Sl. No	Name of the species	No of plants planted
1	Dhauraija	600	11	Bahal	100
2	Bali Sisoo	800	12	Canchar	50
3	Tentuli	350	13	Jamru	400
4	Fan Faria	600	14	Anla	500
5	Dimmi	250	15	Kuloni 2	300
6	Karraj	400	16		
7	Bahada	150	17	Total	6000
8	Anjun	800	18		
9	Bamboo	100	19		
10	Pahadi Sisoo	600	20		
Total No. of Seedlings planted ÷ 6000 Nos.					

16. Survival percentage of seedlings - Average of 3 sample plots $\frac{100 + 100 + 100}{3} = 100\%$

17. Causality replacements done (Yes/No) : ☒ Yes

18. Plantation complete or incomplete

: Complete

19. Manuring done (Yes/No)

: Yes

20. Fencing undertaken for AR/BHP/ANR around the planted area.

: Yes

(i) Type of fencing- Wire-mesh/ barbed wire/ brush wood

: Brushwood

(ii) Length in mtr.

: 2477 mtr.

21. Plantation Journal maintained (Yes/No)

: Yes

22. GPS survey map of plantation done (Yes/No)

: Yes

23. Sign Board with details fixed (Yes/No)

: Yes

24. SMC works done

(Type of Infrastructure/Dimensions/ No. of Structure)

: —

25. Whether Pitting Register Maintained (Yes/No)

: Yes

26. Consolidated Drone Survey Pre-pitting (Yes/No) / Post Pitting (Yes/No) / Post Planting (Yes/No)

Sl. No.	Species	Sample Plot 1	Sample Plot 2	Sample Plot 3	Cumulative Average Height (in CM)
		Average height (in CM)	Average height (in CM)	Average height (in CM)	
1	Phauraija	145.45	137.36	116.31	133.04
2	Amla	173.44	195	137.17	168.53
3	Dimori	144.4	144.3		144.35
4	Dhukem	158.8	159.75		159.27
5	Kamraj	127.992	145		136.49
6	Sirish	220		142.5	181.25
7	P. Sissoo	172.03	194.66	145.55	170.74
8	Jamru	143.78	145.09	134.5	141.12
9	Arjun	153.6	165.86	130.45	149.97
10	FanFana	145	176		160.5
11	Teretuli	155	135.66	111.36	134.
12	B. Sissoo	166.56	198.55	202.92	189.34
13	Kulon		167.4	97.83	132.61
14	Bahada		121.6		121.6
15	Bahal		110.2		110.2
16					
17					
18					

19					
20					

Name & Signature of Evaluation Team

Name & Signature of Range Staff

1. Asst. Conservator of Forests,
Prabhat Kumar Verma
Prabhat Kumar Verma
25/10/2025

1. Forest Range Officer,

Chandra
25.10.25
Forest Range Officer
Binka Range

2. Forest Range Officer,
Dipankar Barua
Dipankar Barua

2. Forester

Kiran Kumar Bisht
FORESTER
DUNGURIPALI SECTION

3. Forester Jagannatha Nayak

3.

Forest Guard

Saraswati Patra, FG
Beharamal Beet

4. Forest Guard Sheshadhar Nayak

18/10/25

Sample plot no. 1

Sample Plot Survey

Annexure-II (a)

Sample Plot - # (30 M X 30M)

Name of Plantation Site

GPS Co-ordinates of all corners

Corner - 1 -

N 21.095043

E 83.611564

Corner - 2 -

N 21.095018

E 83.611259

Corner - 3 -

N 21.095278

E 83.611225

Corner - 4 -

N 21.095334

E 83.611503

No. of Plants Planted in the sample plot

= 169

No. of dead plants in the sample plot

= 141

Survival % of the seedlings planted (plot)

= 100%

Sample Plot Observation :-

Yes 30m x 30m

Plot No. 1

Cattle Intrefrence

Low / Med / High No.

No. of Browsed Plants

No.

Weeding around the plants

Complete / Incomplete

Soil Working around the plants

Complete / Incomplete

No. of Staggered Trenches within the sample plot

-

In case of ANR coverage of fencing around the patch

Complete / Incomplete

Sl. No.	Species	Height of the Plant in (CM)																				Average Ht. in CM.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	Dhauragja	175	175	170	165	160	135	155	158	140	190	165	150	120	145	120	155	100	130	140	130	
2		128	152	108	160	155	149	142	165	145	140	148	160	163	128	100	121	140	-	-	-	145.45
3	Anula	185	190	185	135	138	140	193	215	180												173.44
4	Dimmi	140	120	180	108	145	125	145	165	168	112	168	147	145	155	142	140	148	150	140	170	
5		123	140																			144.400
6	Dhuker	160	165	155	140	138	145	160	162	162	140	170	190	165	162	148	162	172	142	185	170	
7		142																				158.8
8	Kerarij	120	115	168	138	140	145	130	110	135	175	123	115	110	120	110	110	114	140	125	127	127.992
9	Simish	220																				220
10	P. Sissoo	185	175	182	160	180	185	178	165	160	185	175	165	175	192	165	162	180	190	185	152	
11		125	215	210	140	137	130															172.03
12	Jammi	117	140	138	160	152	132	165	133	150	150	160	140	140	136							143.78

sample plot no. 2

Sample Plot Survey

Annexure-II (a)

Sample Plot - 2 (30 M X 30 M)

Name of Plantation Site

Gmm ANR gap plantation @ 200 plant/ha. of
Lakshada area 30ha (2025-26)

GPS Co-ordinates of all corners

Corner - 1 -

= N 21.094986 E 83.612455

Corner - 2 -

= N 21.094959 E 83.61275

Corner - 3 -

= N 21.094676 E 83.612736

Corner - 4 -

= N 21.094701 E 83.612421

No. of Plants Planted in the sample plot

= 189

No. of dead plants in the sample plot

= N/A

Survival % of the seedlings planted (plot)

= 100%

Sample Plot Observation

Yes 30% x 30%

Cattle Intrefrence

Low / Med / High NO.

No. of Browsed Plants

= 140

Weeding around the plants

Complete / Incomplete

Soil Working around the plants

Complete / Incomplete

No. of Staggered Trenches within the sample plot

=

In case of ANR coverage of fencing around the patch

Complete / Incomplete

Sl. No.	Species	Height of the Plant in (CM)																				Average in CM
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	B.S. 500	197	187	105	186	315	198	223	232	275	270	180	180	176	180	180	204	152	134			198.55
2	Fanfara	202	213	199	118	165	200	180	181	160	158	160										176
3	Kuler	167	218	162	135	155																167.4
4	Arjun	195	105	167	180	145	108	152	181	108	183	187	175	200	197	206	185	202	143	205	195	
5		148	160	161	162	105	170	100	190	185	100	215	190	135	220	170	165	162				165.86
6	P. 500	197	160	220	185	185	180	213	182	210	180	215	230									194.66
7	Dhauranja	108	108	180	107	132	150	160	140	150	140	136										137.36
8	Tentuli	109	130	158	152	100	165															135.66
9	Dhuker	165	174	170	130																	159.75
10	Jamun	162	178	160	128	162	129	172	158	153	152	165	145	165	162	130	160	130	130	136	145	
11		125	140	108	163	102	152	120	135	135	140	160	180	152	185	121	150	116	106			145.09
12	Bahada	120	102	140	118	128																121.6

Sample plot No. 3

Sample Plot Survey

Annexure-II (a)

Sample Plot - 3 (30 M X 30M)

Name of Plantation Site GVM

GPS Co-ordinates of all corners

Corner-1-

= N 21.092516 E 83.613281

Corner-2-

= N 21.092811 E 83.61329.

Corner-3-

= N 21.092792 E 83.613568

Corner-4-

= N 21.092485 E 83.6136

No. of Plants Planted In the sample plot

= 169

No. of dead plants In the sample plot

= Nil

Survival % of the seedlings planted (plot)

= 100%

Sample Plot Observation :-

Yes 30M X 30M Plot No. 3

Cattle Intreference

Low / Med / High NO.

No. of Browsed Plants

No

Weeding around the plants

Complete / Incomplete

Soil Working around the plants

Complete / Incomplete

No. of Staggered Trenches within the sample plot

—

In case of ANR coverage of fencing around the patch

Complete / Incomplete

Sl. No.	Species	Height of the Plant in (CM)																				Average Ht. (cm)
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	B. S. 500	245	268	205	160	220	286	190	245	240	160	210	175	240	220	175	284	175	250	170	155	
2		230	180	235	220	220	250	165	160	230	255	175	208	195	200	170	200	180	170	200	171	202.92
3	Dhauranga	100	128	123	103	125	105	155	100	100	108	120	116	125	118	120	115					116.31
4	Tentuli	100	128	115	100	125	100	100	101	118	108	107	150	100	100	115	115					111.36
5	P. S. 500	170	115	130	105	155	175	170	135	155												145.55
6	Amra	145	153	100	160	102	125	145	135	155	150	120	145	130	155	118	155	133	100	165	155	
7		140	115	145	138	140	151	132	148	123												137.17
8	Arjun	105	118	127	170	155	132	150	125	125	105	100	122	165	130	138	138	125	145	117	113	
9		127	130	120	155	155	137	135	190	100	110	159	138	125	128	114	104	121	123	115	124	130.45
10	Sirish	115	130	105	155	175	170	135	155													142.5
11	Kulm	92	100	96	95	98	106															97.83
12	Jamun	162	126	132	118																	134.5

