

Final Range wise Monitoring Evaluation Report

Monitoring & Evaluation Report of Plantations of

Sonepur Range, Sonepur Subdivision

Division

S.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	Species wise	Remarks
1	Sonepur	Sonepur	GMM	25-10-25	2025-26	10th 16000	10th 16000	16000	100%	Physic - 167 Neem - 153 Kasani - 132 P. Sider - 145 Tamar - 107 Pin A. - 124 Dhaziyal - 133 Dumrai - 159 Aajun - 139	1. Plantation Journal-Maintained 2. Inspection of RO and above 3. Entries of Inspection Remarks of RO & above Range Officer - 4 ACF - 1 DFO/RCCF - DFO : 1, RCCF : 4 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 area/length/ RKM	Maintained and update. yes Very Good Mapped enclosed & satisfactory Area is correct. 10 Acre.

Signature of RFO of Range

Signature -

Forest Range Officer
Sonepur Range

Date -

Signature of Team leader

Signature -

Name & designation -

Prabhat Kumar Verma

Date -

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 : 25.10.2025
2. Name of the Division : Subarnapur
3. Name of the Range : Sodepur
4. Name of the Section : Narayanpur
5. Name of the Beat : Narayanpur
6. Name of Site : Durguripali
7. Name of VSS & whether resolution available for taking up plantation : Durguripali res available
8. Name of the Scheme : GMM (Green Mahanadi Mission)
9. Name of the Plantation Component (Like AR/Bald Hill Plantation/ANR with gap / UTP/Avenue plantation etc.) : AR
10. Physical Target : 1600 Nos.
11. Area in Ha/RKM/Nos : 10 Ha.
12. Land Status (with name of RF/PRF/VF etc.) : Durguripali V.F.
13. Treatment Map : Available
14. No. of panting patch : -
14. No of pillar posted in plantation site : 26 nos.
16. Asset Id as per OFMS : 2025-144865
15. Species wise 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	Arjuna	2000	11	Munro	400
2	P. Sison	600	12	Bora	08
3	B. Sison	500	13	Phasi	700
4	Kararaja	1700	14	Bakel	300
5	Dhauraraja	1000	15	Neem	1500
6	Sal	100	16	Sirish	600
7	Tentuli	50	17		
8	Amle	292	18		
9	Piasal	250	19		
10	Jamun	300	20		
Total No. of Seedlings planted 16000					

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 : completed
19. Manuring done (Yes/No) : Yes
20. Fencing undertaken for AR/BHP/ANR around the planted area. : AR
- (i) Type of fencing- Wire-mesh/ barbed wire/ brush wood : wire mesh
- (ii) Length in mtr. : 2.1 Km
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)

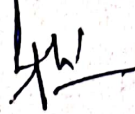
Sl. No.	Species	Sample Plot 1 Average height (in CM)	Sample Plot 2 Average height (in CM)	Sample Plot 3 Average height (in CM)	Cumulative Average Height (in CM)
1	Mhasi	140	184	176	167
2	Neem	147	160	151	153
3	Karanja	112	131	122	122
4	P. Ribod	134	164	138	145
5	Tamun	105	-	108	107
6	Pinkal	-	134	-	134
7	Dharanja	-	122	134	133
8	Dumrooi	-	165	153	159
9	Aojana	-	-	139	139
10					
11					
12					
13					
14					
15					
16					
17					
18					

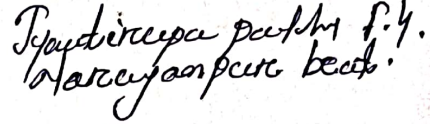
19					
20					

Name & Signature of Evaluation Team

1. Asst. Conservator of Forests,
Prabhakar Kumar Verma
Prabhakar Verma
25/10/2021
2. Forest Range Officer,
Diptiman Panda
Pradeep Kalpat Bg
3. Forester Jayamatha Nayak 3.
4. Forest Guard Shashank Nayak

Name & Signature of Range Staff

1. Forest Range Officer, 
Forest Range Officer
Sonepur Range
Sonepur
2. Forester

FORESTER
Narayanpur Section
3. Forest Guard 
Tajendra Prasad Nayak
Narayanpur Section


18/10/25

Sample Plot Survey

Sample Plot - B (30 M X 30 M) Plot No. - 01

Name of Plantation Site GMM AK DUNGUNPARI - 10 Ha. 2025-26

GPS Co-ordinates of all corners

Corner - 1 - 120. 814282 E83.712256
 Corner - 2 - 120. 814153 E83.712504
 Corner - 3 - 120. 814413 E83.712309
 Corner - 4 - 120. 814409 E83.712489

Sample Plot Observation :-

01 (30M x 30M)

Cattle Intreference :- Low / Med / High - Low

No. of Browsed Plants :-

Nil

Weeding around the plants :-

Complete/Incomplete - Completed

Soil Working around the plants :-

Complete/Incomplete - Completed

No. of Staggered Trenches within the sample plot :-

-

No. of Plants Planted in the sample plot :- 169

No. of dead plants in the sample plot :- 0

Survival % of the seedlings planted (plot) :- 100%

In case of ANR coverage of fencing around the patch :-

Complete/Incomplete -

Height of the Plant in (CM)

Sl. No.	Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Average
1	Phasi	169	163	157	142	140	180	175	127	120	115	105	119	130	132	125	135	140	148			140 cm
2																						
3	Nagam	125	157	156	120	165	123	143	126	132	120	190	132	125	111	189	189	163	129	142	141	
4		188	175	170	152	120	148	151														
5	Karabja	124	129	121	125	102	103	109	102	101	150	110	109	111	104	103	120	102	163	105	118	147 cm
6		110	109	112	103	102	101	108	105	110	82	93	96	101	109	115	145	102	110	103	105	
7		122	120	132	138	115																
8	P. Sissob	155	155	137	140	120	142	123	159	167	148	132	136	155	122	160	125	165	123	144	132	112 cm
9		155	145	104	141	152	127	161	140	138	120	128	99	132	125	118	127	129	112	107	97	
10		161	107	128	136	112	145	139	140	123	122	102	127	125	134	113	141	144	138	135	125	
11		120	140																			
12	Jamun	115	109	107	110	107	102	85	88	110	90	102	108	110	114	103	105	110				134 cm
																						105 cm

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Sample Plot - 8 (30 M X 30 M) Plot No. 02
 Name of Plantation Site GIMMAR DONGUR PALI - 10 Mq. 2025-26
 GPS Co-ordinates of all corners
 Corner - 1 - :- 120.813783 E83.714082
 Corner - 2 - :- 120.813667 E83.713961
 Corner - 3 - :- 120.813907 E83.714095
 Corner - 4 - :- 120.813735 E83.713918

Sample Plot Survey

Annexure-II (a)

Sample Plot Observation :- 02 30M X 30M
 Cattle Interference :- Low / Med / High - Low
 No. of Browsed Plants :- Nil
 Weeding around the plants :- Complete / Incomplete - Completed
 Soil Working around the plants :- Complete / Incomplete - Completed
 No. of Staggered Trenches within the sample plot :- Nil

No. of Plants Planted in the sample plot :- 169
 No. of dead plants in the sample plot :- 0
 Survival % of the seedlings planted (plot) :- 100%

In case of ANR coverage of fencing around the patch :- Complete / Incomplete

Sl. No.	Species	Height of the Plant in (CM)																				Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	Karanja	116	120	120	135	110	120	138	147	127	145	118	115	138	147	128	110	141	124	125	147	
2		147	133	150	117	130	138	125	119	132												
3	Poamal	119	156	130	110	152	136	159	134	145	102	120	152	125	138	140						131 cm
4																						134 cm
5	P. Gisoo	148	164	152	129	144	148	110	134	154	151	106	183	183	149	144	130	152	196	196	163	
6		203	163	189	173	213	202	142	173	204	170	169	153									
7	Albem	143	140	134	114	138	108	154	142	152	180	130	150	168	149	198	185	214	201	181	126	164 cm
8		187	168	152	139	195	174	164	182	135	173	127	168	109	142	180	165	170	132	189	192	
9	Phaenobija	139	130	132	125	133																160 cm
10																						132 cm
11	Dummpu	167	159	172	174	150	127	165	140	155	172	158	182	163	170	152	173	191	163	172	172	
12		138	185	182	182	164	154	172	179													165 cm

13	Phaci	182	197	179	231	177	185	194	148	172	201	182	157	169	230	171	189	155	192	184	179	184 cm
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Name & Signature of Range Staff.

Name & Signature of Range Staff

1 Asst. Conservator of Forests, Prabhakar Kumar Verna
Prabhakar Verna
25/10/2015

1 Forest Range Officer,

Forest Range Officer
Sonepur Range

2 Forest Range Officer, Duttman Poober
Duttman Poober

2 Forester

Sonepur

3 Forester

Jegorawatha Nay to-
Shashender Nay to

3 Forest Guard

Marayampur Section

Marayampur Section
Marayampur Section

25/10/15

Sample Plot Survey

Annexure-II (a)

Sample Plot - B (30 M X 30M) Plot No. 03
 Name of Plantation Site GMM AR DONGORIPATI - Lo Ha. 2025-26
 GPS Co-ordinates of all corners
 Corner - 1. :- 120.813893 E83.715078
 Corner - 2. :- 120.813758 E83.715345
 Corner - 3. :- 120.81396 E83.715423
 Corner - 4. :- 120.814049 E83.715149
 No. of Plants Planted in the sample plot :- 169
 No. of dead plants in the sample plot :- 0
 Survival % of the seedlings planted (plot) :- 100%

Sample Plot Observation :- 03
 Cattle Intolerance :- Low / Med / High - Low
 No. of Browsed Plants :- Nell
 Weeding around the plants :- Complete / Incomplete - Completed
 Soil Working around the plants :- Complete / Incomplete - Completed
 No. of Staggered Trenches within the sample plot :-

In case of ANR coverage of fencing around the patch :- Complete / Incomplete -

Height of the Plant in (CM)

Sl. No.	Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Average
1	Karanj	118	153	121	145	119	130	120	163	110	145	112	140	120	110	120	124	120	132	134	110	
2		108	111	112	112	130	155	113	120	96	128	131	111	155	148	125	99	102	130	114	106	
3		103	108	106	110	96	131	135	133	120												
4	Shamraj	147	110	146	99	105	102	170	122	130	140	156	144	152	158	129						122 cm
5																						134 cm
6	Phali	165	170	200	183	170	172	160	180	195	149	173	176	184	158							176 cm
7																						
8	P. G. 200	169	150	103	102	157	145	177	129	147	114	136	155	110	160	120	181	83	132	143		
9		152																				
10	Jamun	165	104	110	102	110	103	107	105	103	90	102	106	103	110	104	105	103	102	110	112	138 cm
11		109	103	104	106	114	109	119	118	102	104	106	105	103	102	114	105	101	109	105	101	
12		103	107	104	120	119	125															108 cm

