

31/10/28

**FORMATS FOR EVALUATION OF PLANTATIONS RAISED UNDER ALL  
SCHEMES FOR THE PERIOD FROM 2022-23 TO 2025-26**

**Method of Inspection:**

Inspection of quality of plantation: 2% area of each of the plantation site is to be inspected by laying random sample plots of size 40m x 25m. Spacing, height & Girth have to be measured from sample plots selected for evaluation.

Photographs of plantation sites before & after plantation are required to be provided.

**Reporting format for evaluating team:**

1. General Information:
  - (a) Division: - Bhadrak (WB) Division
  - (b) Range: - Chandbali (WB) Range
  - (c) Section: - Karanjamala (WB) Section
  - (d) Beat: - Karanjamala Beat.
2. Information of the Plantation Site:
  - (a) Name of the site (with longitude & latitude) (GPS reading):- mangrove AR plantation Narendrapur
  - (b) Legal Status of the site:- Banipahi UDPF
  - (c) Year of plantation:- 2024-25
  - (d) Name of the Scheme:- S.O.M.F
  - (e) Type of plantation: (Economic/ Bald Hill/ ANR with Gap Plantation/ Avenue/NBM/GIM/GMM etc.) - AR Block plantation (mangrove)
  - (f) Area (in ha.) as per target :- 10 ha
  - (g) Construction of signboard at the plantation site:- yes
3. Plantation Journal: -
  - (a) Properly maintained:- ✓
  - (b) Partly maintained:-
  - (c) Not maintained:-
4. Map of the afforestation site:
  - (a) Prepared: -
  - (b) Not prepared: -
5. Treatment Map: -
  - (a) Prepared: - ✓
  - (b) Not Prepared: -
6. Area of the Plantation: -
  - (a) Gross area of the plantation: - 11 ha
  - (b) Net area planted: - 10 ha
  - (c) No. of pillars posted:- 13 nos
  - (d) Whether pillars are numbered:- yes (from pillar No-1 to pillar No-13)
7. Pitting Register :-
  - (a) Maintained :- ✓ NO
  - (b) Not Maintained:-



8. Plantation design approved by ACF: *yes*

9. Plantation:

(An area of each plantation site is to be inspected. Sampling plots of 40 m x 25 m are to be delineated randomly for recording following information).

*2 nos. plot = 0.2 ha (40 m x 25 m) Each.*

(a) Species wise seedlings planted:

Sl. No	Sample plot	GPS Reading	No. of plants planted	No. of plants survived	Survival %
<i>1</i>	<i>01</i>	<i>N-20.976884</i>	<i>160 nos</i>	<i>133 nos</i>	<i>83.12%</i>
		<i>E-86.885404</i>			

(b) Spacing adopted. *1.5 m x 1.5 m*

(c) (i) No. of seedlings planted in the whole plantation as per record. *44,450 nos*

(ii) No of seedlings planted in the whole plantation calculated based on 2% sampling mentioned above.

(iii) Difference if any the reason of casualty.

(d) Survival Percentage (Avg): - *83.12%*

(e) Average height growth of the species:-

SL No.	Name of the species	Min. Height. (in cm)	Max. Height (in cm)	Av. Height (in cm)
<i>1</i>	<i>Rai</i>	<i>70 cm</i>	<i>150 cm</i>	<i>85 cm</i>
<i>2</i>	<i>Bandkeri</i>	<i>60 cm</i>	<i>90 cm</i>	<i>75 cm</i>
<i>3</i>	<i>Sundari</i>	<i>50 cm</i>	<i>75 cm</i>	<i>62.5 cm</i>
<i>4</i>	<i>Bani</i>	<i>65 cm</i>	<i>80 cm</i>	<i>72.5 cm</i>

10. Fencing:

Type of Fencing adopted	Length in Metre		Difference if any	Remarks
	As per record	As per physical verification		
<i>Not fenced</i>	<i>-</i>	<i>-</i>	<i>- No -</i>	

11. Avenue Plantation:

100% of the total Row KM of avenue plantation of each plantation site will be inspected and height and survival % will be measured.

Name of the Division	Site of Plantation with GPS reading at both the ends	Length in RKM	No. of plants planted species wise	Height in cm.			No. of plants survived	Survival %	Fencing		Remarks
				Min	Max	Avg			Type	Length (in meter)	
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>



12. General observation by Evaluation Team:-

- (a) Suitability of the site for plantation:-
- (b) Site specific right choice of the species:-
- (c) Reason for high / low survival percentage:-
- (d) Suggestions by Evaluation Team:-
- (e) Others if any:-

Suitability of site for plantation

Right choice of species

Reason of low survival

Maintenance and protection need to the plantation site.

Signature of the field staff

Sasanka Chanda

Signature of the evaluation team  
including VSS/PRI members

Atulya Kumar Mahanta, DRO

Sreshtha Kumar Singh, FA

Laxmi Choudhary

Laxmi Jyoti Bora

Pradeep Kumar Jena.