

## 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: - Bhadrakali Division
- (b) Range: - Chandbali Range
- (c) Section: - Chandbali Section
- (d) Beat: - Chandbali Beat

#### 2. Information of the Plantation Site:

- (a) Name of the site (with longitude & latitude) (GPS reading):- Panduapata UTP plantation 2024-25
- (b) Legal Status of the site:-
- (c) Year of plantation:- 2024-25
- (d) Name of the Scheme:- GMM
- (e) Type of plantation: (Economic/ Bald Hill/ ANR with Gap Plantation/ Avenue/NBM/GIM/GMM etc.) - Urban tree plantation
- (f) Area (in ha.) as per target :- 2.312 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: - 2.72 ha
- (b) Net area planted: - 2.312 ha
- (c) No. of pillars posted: - 11 nos
- (d) Whether pillars are numbered:- yes From pillar NO-1 to pillar NO-11

#### 7. Pitting Register :-

- (a) Maintained :- maintained
- (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).

1 plot = 0.2 ha (40 m x 25 m)

(a) Species wise seedlings planted:

| Sl. No | Sample plot | GPS Reading  | No. of plants planted | No. of plants survived | Survival % |
|--------|-------------|--------------|-----------------------|------------------------|------------|
| 1      | 01          | N- 20.79228  | 160                   | 157                    | 98.12%     |
|        |             | E- 86.695864 |                       |                        |            |
|        |             |              |                       |                        |            |

(b) Spacing adopted. 2.5 mtr x 2.5 mtr

(c) (i) No. of seedlings planted in the whole plantation as per record.

(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): - 98.12%

(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) |
|--------|---------------------|----------------------|---------------------|--------------------|
| 1      | Arjun               | 120 cm               | 260                 | 190 cm             |
| 2      | Karanja             | 135 cm               | 240                 | 187.5 cm           |
| 3      | Jamu                | 125                  | 250                 | 187.5 cm           |
|        |                     |                      |                     |                    |
|        |                     |                      |                     |                    |
|        |                     |                      |                     |                    |

10. Fencing:

| Type of Fencing adopted                                  | Length in Metre |                              | Difference if any | Remarks |
|--|-----------------|------------------------------|-------------------|---------|
|  | As per record   | As per physical verification |                   |         |
| Barbed wire with R.C.C pillar around the plantation site | 660.4 mtr       | 660.4 mtr                    | - No.             |         |
|  |                 |                              |                   |         |

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) |         |
| 1                    | 2  | 3             | 4                                  | 5             | 6   | 7   | 8                      | 9          | 10      | 11                | 12      |



12. General observation by Evaluation Team:-

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

Signature of the field staff

संतोष नायक  
Santosh Kumar Nayak

Signature of the evaluation team  
including VSS/PRI members

Aditya Kumar Mahanty FRO  
Sushila Kumar Singh Fm  
Debasish Barua  
Pradeep Kumar Sena  
Laxmi Kant Nayak