

## **SPECIAL FOREST DIVISION TANGMARG**

### **Proposal for Compensatory afforestation of the proposed site in comptt.47C/Gul ( In FCA Case:Upgradation and Maintenance of Road from KM 4<sup>th</sup> of T02 to Madam )**

**Full title of the forest land diversion project:** Upgradation and maintenance of  
Road from KM 4<sup>th</sup> of T02 to Madam

**File No:** FP/JK/Road/48915/2020

**Date of proposal:** 17-09-2020

**Name of forest division (where forest land is proposed to be diverted):** Special  
Forest Division Tangmarg

**Forest area to be diverted:** 1.27 Hectares

**Forest/NFL area to be planted:** 2.54 Hectares

**No. of trees to be felled:** 26

**No. of plants/poles to be damaged:** 10

**No. of plants to be planted in the scheme:** 2540 Nos.

#### **Details of land where C.A is to be carried out:**

**Degraded forest land**    **yes/No**    **yes**    **Area = 3.58 Ha** (includes additional  
vacant space of 1.04 Ha)

**Non -forest land**    **yes/No**    **No**    **Area = Nil** Ha

**Forest division:** Special Forest Division Tangmarg

**District:** Baramulla

**Range:** Gulmarg Range

**Tehsil:** Tangmarg

**Compartment No:** 47C/Gul

**Khasra No. (for non forest land):** Nil

**C.A Site (Name of the location):** Tangmarg

**C.A. Area (in Ha):** 3.58 Ha

**C.A .Site Geo Coordinates:**

**Start point: Latitude** 34° 3' 43.13"N    **longitude** 74° 25' 33.85"E

**End point: Latitude** 34° 3' 55.33"N    **Longitude** 74° 25' 34.01"E

#### **I. Description of C.A. Site**

- a) Soil type:** Clayey loam, Humus deep
- b) Topography:** Gentle with undulating terrain
- c) Slope:** Moderate
- d) Forest type:** Himalayan temperate forest
- e) Density:** 0.5



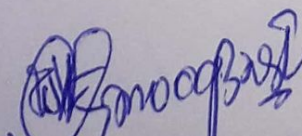
**II.Plantation Model:**

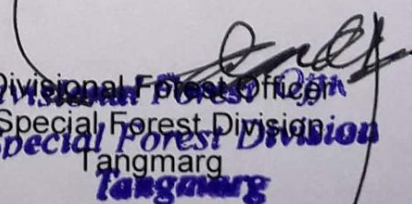
S.No.	Description			Rate (in Rs.)	Total Amount (in Rs.)
		Unit	Target		
<b>A</b>	<b>1st year cost of afforestation</b>	No	2540	29.34	74523
1	2 <sup>rd</sup> year maintenance				18630
2	3 <sup>rd</sup> year maintenance				7452
3	4 <sup>rd</sup> year maintenance				3726
4	5 <sup>rd</sup> year maintenance				3726
5	6 <sup>rd</sup> year maintenance				3726
6	7 <sup>rd</sup> year maintenance				3726
7	8 <sup>rd</sup> year maintenance				3726
8	9 <sup>rd</sup> year maintenance				3726
9	10 <sup>rd</sup> year maintenance				3726
	Total				126687
<b>B</b>	<b>Other afforestation Interventions(As per the requirement of the site conditions)</b>				
1	Dibbling	No.	508	7.18	3647
2	Planting of Grass slips	No. of slips	508	6.35	3226
<b>C</b>	<b>Fencing:</b>				
1	Angle Iron Fencing	RFTs	4600	252	1159200
2	Fencing Repair(5 <sup>th</sup> year)	RFTs	4600	16.74	77004
<b>D</b>	<b>Site Preparation(Cutting, Grubbing and removal of lantana)</b>				
<b>E</b>	<b>Pruning and trimming of existing root stocks</b>				
<b>Total C.A.Charges</b>					<b>1369764</b>
<b>F</b>	<b>Soil and water conservation and protection measures like construction of fire lines and inspection path</b>				125000
	<b>Total (A+B+C+D+E+F)</b>				<b>1494764</b>
<b>G</b>	<b>Supervisory watch &amp; Ward /Overhead/Miscellaneous charges(10% of the C.A.Charges)</b>				149476
<b>Grand Total(A+B+C+D+E+F+G)</b>					<b>1644240.00</b>
Total Net Present Value per Ha @ Rs.8,97,000					11,39,190.00
<b>Grand Total =(C.A.+ NPV)</b>					<b>2783430.00</b>



### III. Technical Details:

- i) **General Details:** :-The site selected for CA plantation is degraded and falling in Reboisement working circle and is prone to encroachment and as such needs rehabilitation in the formation/establishment of a plantation closure.
- ii) **Plantation Method:** In the plantation model(staggered model), 1.5'\*1.5\*1.5\*Ft. will be the pit size in the area and 1000plants /Hectare will be planted in the CA closure. The mixed plantation proposed keeping in consideration the overall biodiversity augmentation, rehabilitation and conservation in the area of treatment.
- iii) **Spacing:** The spacing between plant to plant and line to line will be=5metre\*2 metre.
- iv) **Species proposal to be planted:** Deodar (Cedrus deodara), Kail (Pinus wallichiana) and Dibbling of H.C.nuts (Aesculus indica) and planting of some grass species.
- v) **Silvicultural operation:** The unwanted weeds will be removed before the initiation of the plantation in the closure. Besides, site specific species as given above will be planted in the plantation closure.
- vi) **Soil and moisture conservation**  
**Works and protection measures:** Formation of inspection paths.
- vii) **Protection (fencing, watch & ward, People's participation etc):** The angle iron barbed wire fencing with six strands has been proposed for the establishment of CA Plantation closure. Futher, local labours will be engaged for watch and ward of the plantation closure.
- viii) **Proposed monitoring mechanism:** Regular monitoring will be carried out at all levels (Forester, Range officer and DFO level) as per the CAMPA guidelines.
- ix) **Any other information:** NIL

  
RANGE OFFICER  
GULMARG RANGE  
TANGMARG

  
Divisional Forest Officer  
Special Forest Division  
Tangmarg