

Full Title of the project:-Construction of 70 Mtr span Permanent Bridge with steel superstructure over Kishan Ganga river and approach road at KM 66.950 on B-G road

File No: - FP/JK/Approach/125807/2021

Date of proposal:-05/03/2021

Model Compensatory Afforestation Scheme

Name of the Forest Division (where forest land is proposed to be diverted): **Bandipora Forest Div.**

Forest Area to be diverted: - **0.45 Ha**

Forest/NFL area to be planted: - **0.9 Ha (Double the area) 0.18 Ha (Extra vacant area) = 1.08 Ha**

No. of trees to be felled:-36

No. of plants/poles to be damaged: - Nil

No. of plants to be planted in the scheme: - 900

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

Degraded forest land Yes/No: - **Yes Area: -**

0.9 Ha (Double the area)

Cropped area = 0.18 Ha

Blank area = 0.9 Ha

Total: = 1.08 Ha

Non-forest land No Area: - ---

Forest Division: Bandipora Forest Division **District:** Bandipora

Range: Gurez **Tehsil:** Gurez

Compartment No:-68/KG **Khasra No** (for Non Forest land):

C.A.Site (Name of the location):-Chuntiwari **C.A Area** (in Ha):-**0.9 Ha** (Double the vacant area) **0.18 Ha** (Cropped area) **Total= 1.08 Ha**

C.A.Site Geo Coordinates:

Starting Point: Latitude: 34°39'30.43' Longitude: 74°41'20.81'

Ending Point: Latitude: 34°39'29.72' Longitude: 74°41'25.60'

In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary: NA

Description of C.A Site:

a) Soil type:-Rocky

b) Topography: hilly/undulating/plain: - Hilly

c) Slope: steep/medium/gentle: - Medium

e) In case of degraded forest land-description of forest type and crown density: Canopy density 0.2

d) For non forest land- description of existing vegetation/root stock and density: NA

II. Plantation Model: CA plan has to be site specific considering all relevant factors including crown density of existing vegetation, type of existing vegetation, and species to be planted. Min 1000 plants/ Ha will be planted.

Model CA for 0.9 Ha (Double the area) 0.18 Ha (Extra vacant area) = 1.08 Ha
in Degraded Forests in Kashmir Region

S No	Description	Unit	Plants	Rate (in Rs)	Total Amount (in Rs)
A					
1	1 st year cost of Afforestation	No	900	60.7	54630
2	2 nd year Maintenance (@ 25%)		225	60.7	13658
3	3 rd year Maintenance (@ 10%)		90	60.7	5463
4	4 th year Maintenance (@ 5%)		45	60.7	2732
5	5 th year Maintenance (@ 5%)		45	60.7	2732
6	6 th year Maintenance (@ 5%)		45	60.7	2732
7	7 th year Maintenance (@ 5%)		45	60.7	2732
8	8 th year Maintenance (@ 5%)		45	60.7	2732
9	9 th year Maintenance (@ 5%)		45	60.7	2732
10	10 th year Maintenance (@ 5%)		45	60.7	2732
	Total:-				92875
B	Other Afforestation Interventions :(As per the requirement of the site condition)				
1	Dibbling	No	180	7.18	1292
2	Planting of Grass Slips	No of slips	180	6.35	1143
	Total:-				2435
C	Fencing:				
1	Square PCC Post Fencing (4 Strand / 7 Strand)	RFT	648	252	163296
2	Wooden Fencing		--	--	--
3	Chain link Fencing		--	--	--
4	Fencing Repair		648	16.74	10848
	Total:-				174144
D	Site Preparation: (Cutting, Grubbing and removal of Lantana)	Ha			--
E	Pruning and Training of Existing Root Stocks:	No.			--
	Total C.A Charges				269454
F	Soil & water conservation and protection measures like construction of fire lines and inspection path				45000
	Total (A+B+C+D+E+F)				314454
G	Overhead Charges: (10% of the C.A Charges)				26945
	Grand Total: (A+B+C+D+E+F+G)				341399
	Total Net Present Value per Ha @ 6,99,000.00				314550
	Grand Total: (CA + NPV)				655949

The Afforestation cost is calculated as per the JAMMU & KASHMIR FOREST RATE SCHEDULE TARIFF' 2017.

III. Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows.

General Details:

Planting Method: - Triangular Planting

Spacing: - 3.15 Mtr x 3.15 Mtr

Species proposed to be planted: - Conifer and B. Leaved (Mixed)

Silvicultural Operations: - Nil

Soil & water Conservation Works: - Crate Work/ Check dam


Protection: - Fencing, Creation of fire-lines & inspection paths.

Proposed Monitoring Mechanism:-By Concerned Beat Staff

Any other information: Nil



Range Officer



Divisional Forest Officer
Bandipora Forest Division
Chittarnar