

**Full Title of the Project:** Diversion of 8.0598 Ha. of Forest land for the Construction of Himani Chamunda Ropeway in District Kangra.

**File No.:** FP/HP/OTHERS/31571/2018

**Date of the proposal:**

### **CHECK LIST SERIAL NUMBER-17**

#### **“SCHEME FOR COMPENSATORY AFFORESTATION”**

Detailed scheme for Compensatory Afforestation (CA= 8.6 ha) to be carried out in lieu of 8-05-98 Ha of Forest area to be diverted for the C/O Himani Chamunda Ropeway in District Kangra 1. Details of degraded forest land/non-forest land;-

District Kangra village Ghartholi Tehsil: Dharamshala

Name of Forest Division: - Dharamshala. Range; - Malan

Block/Compartment/Survey No. 693 / 1, 1490/712/1, 713/3 Min, and 714/1 area to be Afforested **8.6** Ha.

#### **2. Description of Area;-**

- i. Whether the site selected for Compensatory Afforestation is a land Bank or not: - **No**
- ii. If the CA site is other than the land bank, reasons be given: - **The non forest land is provided by State Government.**
- iii. In case of non-Forest area identified for CA, then what is the distance of CA site from the adjoining Forest boundary :- **0.100 KM**
- iv. Soil type: **Sandy Loam**
- vii. Topography:-
  - (a) Hilly/Undulating /Plain = **Hilly- Undulating**
  - (b) Slope: Steep/Medium/ Gentle = **Medium to gentle**
- vi. Whether the area is bearing any root stock of vegetation: **Only few bush growths**

#### **3. Plantation Model:-**

Copy of the approved Compensatory Afforestation Scheme/Model showing component-wise physical and financial break up to be enclosed.

#### 4. Schedule of Plantation Programme:-

Detail of year wise break-up of requirements of funds is as under:-

	Year	Area (Ha)	Rate /Ha	Total amount.
A	0 <sup>th</sup> year.	8.6	87234.34	750215.3
	1 <sup>st</sup> year maintenance	8.6	12500	107500
	2 <sup>nd</sup> year maintenance	8.6	9500	81700
	3 <sup>rd</sup> year maintenance	8.6	6600	56760
	4 <sup>th</sup> year maintenance	8.6	5800	49880
	5 <sup>th</sup> year maintenance	8.6	5600	48160
	6 <sup>th</sup> year maintenance	8.6	5100	43860
	7 <sup>th</sup> year maintenance	8.6	4550	39130
	8 <sup>th</sup> year maintenance	8.6	4550	39130
	9 <sup>th</sup> year maintenance	8.6	4550	39130
	10 <sup>th</sup> year maintenance	8.6	4550	39130
	<b>Total (A) =</b>			1294596
B	Contingency Charges 5 %			64731
	<b>Total (B)=</b>			64731
C	Departmental Charges @ 17.5%			237882
	<b>Total (C) =</b>			237882
	<b>Grand Total (A+B+C) =</b>			1597209

#### 5. Technical Details:-

Technical details of Compensatory Afforestation Scheme are as follows:

a	<b>General Details.</b>	<i>Area for Compensatory Afforestation in Ghartholi Village Malan Range in <b>693 / 1, 1490/712/1, 713/3 Min, and 714/1</b> to be Afforested 8.6 Ha.</i>
b	<b>Spacing</b>	<i>2.5 m x 2.5 m</i>
c	<b>Species</b>	<i>Site specific species OBL, Chir, Ban Oak, Bihul etc</i>
d	<b>Plantation method</b>	<i>By pits 30*30 * 45 cm</i>
e	<b>Soil and Moisture Conservations works</b>	<i>Check dam/Retaining walls/vegetative check dam/ Water Retention trenches etc</i>
f	<b>Protection (Fencing watch man, People's participation etc.)</b>	<i>Through people participation, Forest Guard etc, and fencing 5 Stand B/wire interlacing with thorny bushes.</i>
g	<b>Proposed Monitoring Mechanism: Manually:</b>	<i>Proper inspection of the area by field Staff &amp; Officers of the Department as per mandatory Field Inspection protocol</i>
h	<b>Any other information;</b>	<i>N.A</i>

Place Dharamshala  
Dated :

  
Divisional Forest Officer  
Dharamshala Forest Division  
Dharamshala

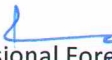
**FILE NO: FP/HP/OTHERS/31571/2018**

**Scheme for Compensatory Afforestation in 8.6 ha of Non Forest Land in lieu of Diversion of 8.0598 ha of forest land for construction of Himani Chamunda Passenger Ropeway in District Kangra**

	Sr. No.	Particulars of work	Quantity	Rate in Rs.	Amount in Rs.
<b>A</b>		<b>Fencing Cost</b>			
	1	Survey & demarcation of plantation area	1 Hac.	115.87	115.87
	2	Preparation/purchase of RCC Fence posts.	60 Nos	400 Per post	24000
	3	Carriage of RCC Fence posts up to 2 mt. long over distance 2 Km.	60 Nos	907.34%	544.4
	4	Preparation/digging of holes 20-30 cm dia & 50 cm. deep.	60 Nos	1027.53%	616.51
	5.	Fixing of RCC fence posts including strutting.	60 Nos.	788.99%	473.39
	6	Carriage of Barbed wire over distance 2 Km.	1 qtl	54.50/Qtl/Km	386.42
	7	Stretching & fixing of barbed wire in 5 strands	1000 rmt.	5.383 Per rmt.	5383
	8	Preparation of inspection path 60 cm width	250 mtr.	12.465 per rmt.	3116.25
	9	Preparation of water retention mounds/trenches.	L.S.		2000
	10	Interlacing of thorny bushes along the fence.	180 rmt.	2.74 Per rmt.	493.2
		<b>Total (A)</b>			<b>37129.04</b>
<b>B</b>		<b>Planting Cost</b>			
	1	Digging of pits 45x45x45 cm	600 Nos.	1081.36%	6488.136
	2	Digging of pits 30x30x30cm	900 Nos	540.82%	4867.38
	3	Filling of pits 45x45x45 cm.	600 Nos	309.08%	1854.48
	4	Filling of pits 30x30x30cm	900 Nos	216.44%	1947.96
	5	Carriage of naked roots plants over distance 2 km uphill.	600 Nos.	39.94 % km.	479.28
	6	Carriage of plants in P/bags over distance 2 km. uphill.	900 Nos.	247.04%	4446.72
	7	Planting of entire plant raised in P.bags.	900 Nos.	247.32%	2225.28
	8	Planting of naked roots plants	600 Nos.	213.89%	1283.34
	9	Planting of grass tufts/preparation of strips including sowing in strips 100x30x5 cm for grass sowing along contour.	500 Strips	1042.54%	5212.72
		<b>Total (B) =</b>			<b>28805.30</b>

C		Material Cost			
	1	Cost of barbed wire	1 .00 Qtl.	7500 Per Qtl.	<b>7500</b>
		<b>Nursery Cost of Plants.</b>			
	1	Naked root plants.	600 Nos.	8 Per Plant	4800
	2	Polythin bag plants.	900 Nos.	10 Per Plant	9000
		<b>Total ©</b>			<b>21300</b>
		<b>Grand Total (A+B+C) =</b>			<b>87234.34</b>
D		1st year Maintenance			12500
E		2 <sup>nd</sup> year Maintenance			9500
F		3 <sup>rd</sup> year Maintenance			6600
G		4 <sup>th</sup> year Maintenance			5800
H		5 <sup>th</sup> year Maintenance			5600
I		6 <sup>th</sup> year Maintenance			5100
J		7 <sup>th</sup> year Maintenance			4550
K		8 <sup>th</sup> year Maintenance			4550
L		9 <sup>th</sup> year Maintenance			4550
M		10 <sup>th</sup> year Maintenance			4550
		<b>Total (D to M) =</b>			<b>63300</b>
		<b>Total (A to M) =</b>			<b>150534.34</b>
N		Constituency Charges @ 5%			<b>7526.72</b>
		<b>Total (A to N) =</b>			<b>158061.05</b>
O		Departmental Charges @ 17.5%			27660.68
		<b>Grand Total (A to O)</b>			<b>185721.74</b>
				<b>or Say</b>	<b>185722</b>

**Total Cost Of CA for @ha is Rs 185722 x 8.6 ha = Rs 15,97,209/-**

  
 Divisional Forest Officer  
 Dharamshala Forest Division  
 Dharamshala