

## "SCHEME FOR COMPENSATORY AFFORESTATION"

In lieu of diversion of 3.7862 ha. of forest land in favour of Head Quarters Chief Engineer, Project Rohtang Tunnel C/o 56 APO (BRO) for the construction of 3.15 KM road from South Portal of Atal Tunnel Rohtang to the source of Seri Nala within the jurisdiction of Kullu Forest Division.

**1. Details of degraded forest land/ non forest land:-**

Area: **Mathivan** District:- **Kullu** Tehsil:- **Manali**  
Name of Forest Division:- **Kullu** Range:- **Manali**  
Compartment No. : **C-VA** Survey No:52H/3  
Area to be afforested:- **3.7862 ha.**

**2. Description of area:-**

- i. Whether the site selected for compensatory afforestation is a land bank or not:- **Yes**
- ii. If the CA site is other than the land bank, reasons be given:- **No**
- iii. In case of non forest area identified in from-A, then what is the distance of CA site from the adjoining forest boundary :- **forest area**
- iv. Soil type:- **Sandy-loamy/apparently deep**
- v. Topography :-  
a) **Hilly**  
b) **Medium**
- vi. Whether the area is bearing any root stock of vegetation:- **Yes**

Plantation Model:- **Departmental**

Copy of the approved compensatory afforestation scheme/ model showing component wise physical and financial break up is enclosed.

**Schedule of Plantation programme:-**

**3. Detail of year wise break up of requirement of funds is as under :-**

S,No	Year	Rate
	New Plantation	111628
1	1 <sup>st</sup> year Maintenance	17028
2	2 <sup>nd</sup> year Maintenance	11424
3	3 <sup>rd</sup> to 10 <sup>th</sup> year Maintenance	46568
	<b>Total</b>	<b>186648</b>
	With 10% increase	18665

	Total (Plantation + Maintenance)	205313
	Total Cost of CA 3.7862 ha. (one time)	777356
	Add 17.50% Departmental charges	136037
	Add 5% contingency charges	38868
	Total	952261

#### 4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

- a) **General Details :-** Conifer/ B/L species will be planted.
- b) **Spacing:** 0.45 mtr x 0.45 mtr.
- c) **Species:** Broad leave/ coniferous.
- d) **Plantation Method:** Contour Planting.
- e) **Soil Moisture Conservation Works:-** MRI included in CA Scheme.
- f) **Protection ( Fencing , Watchman, People's Participation etc.)**
- g) **Proposed Monitoring Mechanism :-** Departmental.
- h) **Any other information :-** Nil

*celhaker*  
Range Forest Officer  
Manali Forest Range

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Divisional Forest Officer,  
Kullu Forest Division, Kullu.

*Approved*  
*ch*  
Chief Conservator Forests (T)  
Kullu Forest Circle, Kullu

## COMPENSATORY AFFORESTATION BILL

In lieu of diversion of 3.7862 ha. of forest land in favour of Head Quarters Chief Engineer, Project Rohtang Tunnel C/o 56 APO (BRO) for the construction of 3.15 KM road from South Portal of Atal Tunnel Rohtang to the source of Seri Nala within the jurisdiction of Kullu Forest Division.

S.No.	Particulars of work	Unit	Qty	Wage rate @ 300 for Non-Tribal areas
<b>A</b>	<b>SURVEY, DEMARCATION &amp; FENCING</b>			
1.	Survey & demarcation of plantation area	Ha.	1	202
2.	Preparation/purchase of RCC fence post @ 358 per post (including GST)	No	50	17900
3.	Carriage of RCC fence post upto 165 cm ong over a distance of 2 KM uphill/downhill	Km/no	50	6700
4.	Preparation /digging of holes of 20x30x50 cm	No.	50	906
5.	Fixing of RCC fence post i/c strutting	No.	50	716
6.	Carriage of B/wire over distance of 2 Kms uphill/downhill	Km/ qtl	0.75	221
7.	Stretching & fixing of B/wire in 4 strands	Rmt.	600	5760
8.	Interlacing of thorny bushes along the fence	Rmt.	150	1227
9.	Cost of B/wire	Qtl.	0.75	4882
	<b>Total-A</b>			<b>38514</b>
<b>B</b>	<b>PLANTING:-</b>			
1.	Bush cutting in strips (3m x 3m)	Ha.	1	2386
2.	Digging of pits 45x45x45 cm	No.	1100	20988
3.	Filing of Pits 45x45x45 cm	No.	1100	5984
4.	Carriage of plants in P. bags (uphill/downhill 2 Km)	Km/ no.	1100	8360
5.	Planting of plants raised in P/bags	No.	1100	4796
6.	Construction of inspection path	Rmt.	11	2200
7.	Cost of sign board, carriage & fixing	No.	1	2000
8.	Cost of Nur. Plants @ Rs.24	No.	1100	26400
	<b>Total-B</b>			<b>73114</b>
	<b>Total (A+B)</b>			<b>111628</b>
	New Plantation			111628
	10% increase			11163
	<b>Total amount of New Plantation</b>			<b>122791</b>

# 1. Schedule for Plantation Programme.

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

S.N.	Particulars	Unit	Qty.	Wage Rate @300
	<b>1<sup>ST</sup> YEAR MAINTENANCE</b>			
1	Re-digging of pits 45x45x45cm	No.	330	3149
2	Filling of pits 45x45x45cm	No.	330	1796
3	Planting of plants raised in P/bags	No.	330	1439
4	Carriage of plants in P/bags	Km/No.	330	2508
5	Repair of fencing	Rmt.	60	216
6	Cost of Nr/plants	No.	330	7920
	<b>Total</b>			<b>17028</b>
	<b>2<sup>ND</sup> YEAR MAINTENANCE</b>			
1	Re-digging of pits 45x45x45cm	No.	220	2099
2	Filling of pits 45x45x45cm	No.	220	1197
3	Planting of plants raised in P/bags	No.	220	960
4	Carriage of plants in P/bags	Km/No.	220	1672
5	Repair of fencing	Rmt.	60	216
6	Cost of Nr/plants	No.	220	5280
	<b>Total</b>			<b>11424</b>
	<b>3<sup>RD</sup> TO 10<sup>TH</sup> YEAR MAINTENANCE</b>			
1	Re-digging of pits 45x45x45cm	No.	110	1050
2	Filling of pits 45x45x45cm	No.	110	599
3	Planting of plants raised in P/bags	No.	110	480
4	Carriage of plants in P/bags	Km/No.	110	836
5	Repair of fencing	Rmt.	60	216
6	Cost of Nr/plants	No.	110	2640
	<b>Total</b>			<b>5821</b>
	<b>Total (3<sup>rd</sup> to 10<sup>th</sup> year)</b>			<b>46568</b>
				<b>75020</b>
	<b>Total (Maintenance)</b>			7502
	@10% increase			<b>82522</b>
	Total Maintenance cost			<b>205313</b>
	<b>Total (Plantation + Maintenance)</b>			
				<b>777356</b>
	<b>Total cost of CA for 3.7862 ha (one time)</b>			136037
	Add 17.5% Departmental charges			38868
	Add 5% contingency charges			<b>952261</b>
	<b>Grand Total</b>			

*Chahar*  
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Manali Forest Range

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