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**PRINCIPAL CHIEF CONSERVATOR OF FORESTS, HARYANA,  
FOREST DEPARTMENT.**

C-18, Van Bhawan, Sector -6, Panchkula Tel/Fax +91 172 2563861, E-mail: effepanchkula@gmail.com

No. FCA/396

Date:- 15/05/2023

[To be substituted with earlier letter bearing same number and date.]

To

All Divisional Forest Officers (Territorial)  
Haryana

**Subject:- Cost Norms for Compensatory Afforestation under Forest  
Conservation Act 1980 and CAMPA.**

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1. With a view to standardize the rates of Compensatory Afforestation (CA) required to be charged from the user agencies for diversion of forest land for non-forestry purpose under section-2 of the Forest Conservation Act, 1980 it has been decided as under:-

i) **In hill regions (Annexure -I)**

Abstract of Cost Norms @1000 plants per Ha. (small polypot plants)

ABSTRACT OF COST NORMS		
YEAR OF PLANTATION	Cost (in Rs.)	Cost per plant
FIRST YEAR PLANTATION	169740.54	169.74
SECOND YEAR PLANTATION	36563.48	36.56
THIRD YEAR PLANTATION	20931.96	20.93
FOURTH YEAR PLANTATION	9953.71	9.95
FIVE YEAR PLANTATION	9953.71	9.95
SIX YEAR PLANTATION	9953.71	9.95
SEVEN YEAR PLANTATION	9953.71	9.95
EIGHT YEAR PLANTATION	9953.71	9.95
NINE YEAR PLANTATION	9953.71	9.95
TEN YEAR PLANTATION	9953.71	9.95
<b>TOTAL</b>	<b>296911.93</b>	<b>296.91</b>
Supervisory/overhead/Miscellaneous/ fencing charges (20% of CA Amount)	59382.39	59.38
<b>G. TOTAL</b>	<b>356294.32</b>	<b>356.29</b>

ii) **In Plain regions (Annexure -II)**

Abstract of Cost Norms @1000 plants per Ha. (400 TP & 600 15x22 Poly pot plants)

ABSTRACT OF COST NORMS		
YEAR OF PLANTATION	Cost (in Rs.)	Cost per plant
FIRST YEAR PLANTATION	192869.40	192.87
SECOND YEAR PLANTATION	77480.10	77.48
THIRD YEAR PLANTATION	36597.63	36.60
FOURTH YEAR PLANTATION	12831.83	12.83
FIVE YEAR PLANTATION	12831.83	12.83
SIX YEAR PLANTATION	12831.83	12.83
SEVEN YEAR PLANTATION	12831.83	12.83

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EIGHT YEAR PLANTATION	12831.83	12.83
NINE YEAR PLANTATION	12831.83	12.83
TEN YEAR PLANTATION	12831.83	12.83
<b>TOTAL</b>	<b>396769.97</b>	<b>396.77</b>
Fencing/Miscellaneous/Overhead Charges / Supervisory Charges (20% of CA Amount)	79353.99	79.35
<b>G. TOTAL</b>	<b>476123.96</b>	<b>476.12</b>

**Note:-** Plantation will be done with 400 Tall Plants and 600 Large shrubs and/or small trees which are shade philic.

**iii) In Single Ridges (Annexure -III)**

ABSTRACT OF COST NORMS		
YEAR OF PLANTATION	Cost (in Rs.)	Cost per plant
FIRST YEAR PLANTATION	312262.50	312.26
SECOND YEAR MAINTENANCE	74459.64	74.46
THIRD YEAR MAINTENANCE	61648.14	61.65
FIRST YEAR PLANTATION	30873.28	30.87
SECOND YEAR MAINTENANCE	30873.28	30.87
THIRD YEAR MAINTENANCE	30873.28	30.87
FIRST YEAR PLANTATION	30873.28	30.87
SECOND YEAR MAINTENANCE	30873.28	30.87
THIRD YEAR MAINTENANCE	30873.28	30.87
THIRD YEAR MAINTENANCE	30873.28	30.87
<b>TOTAL</b>	<b>664483.21</b>	<b>664.48</b>
Fencing/Miscellaneous/Overhead Charges/ Supervisory Charges (20% of CA Amount)	132896.64	132.90
<b>G. TOTAL</b>	<b>797379.86</b>	<b>797.38</b>

**Note:-** Ridge will be made only to extent of water logged. In area free from water logging the norm will be same as for plain area.

**iv) Tall Plantation on Mounds (Annexure -IV)**

ABSTRACT OF COST NORMS		
YEAR OF PLANTATION	Cost (in Rs.)	Cost per plant
FIRST YEAR PLANTATION	559866.92	559.87
SECOND YEAR MAINTENANCE	146348.50	146.35
THIRD YEAR MAINTENANCE	117776.02	117.78
FIRST YEAR PLANTATION	35901.88	35.90
SECOND YEAR MAINTENANCE	35901.88	35.90
THIRD YEAR MAINTENANCE	35901.88	35.90
FIRST YEAR PLANTATION	35901.88	35.90
SECOND YEAR MAINTENANCE	35901.88	35.90
THIRD YEAR MAINTENANCE	35901.88	35.90
THIRD YEAR MAINTENANCE	35901.88	35.90
<b>TOTAL</b>	<b>1075304.58</b>	<b>1075.30</b>
Fencing/Miscellaneous/Overhead Charges/ Supervisory Charges (20% of CA Amount)	215060.92	215.06
<b>G. TOTAL</b>	<b>1290365.49</b>	<b>1290.37</b>

**Note:-** Mounds will be made only to extent of water logged. In area free from water logging, the norm will be same as for plain area.

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- v) These norms have been arrived at the wage rate of Rs. 405.11 /- and the wage rate being dynamic, pro-data revisions will be made by the Divisional Forest Officers consistent with the prevalent wage rate.
- vi) This is a general specification for ensuring transparency and excluding discretion. In case, at the time of plantation, it is felt that additional inputs are needed for success of plantations, additional demand for funds for that area can be placed with due justification and the same can be met from the NPV funds. However, the charges of CA from the User Agency should be made only to the extent of above specification. The rates of additional CA or penal CA, if required to be charged, should also follow these norms.
2. The rates of NPV will be determined by MoEF&CC from time to time.

Encl./As above

S  
7/5/2023  
Principal Chief Conservator of Forests (HoFF)  
Haryana, Panchkula.

Endst. No.:

Dated:

A copy is forwarded to the following for information and necessary action:-

1. Dy Director General of Forests (Central), IRO, MoEF&CC, Chandigarh.
2. Addl. Chief Secretary to Govt. of Haryana, Environment, Forests & Wildlife Department, Chandigarh.
3. Addl. Principal Chief Conservator of Forests-Cum- Nodal Officer (FC), Haryana, Panchkula.
4. All Chief Conservator of Forests (T), Haryana.

Encl./As above

S  
7/5/2023  
Principal Chief Conservator of Forests (HoFF)  
Haryana, Panchkula.



## Annexure -II

Norms of Tall plants under Compensatory Afforestation demanded from User Agency in FCA diversion proposals at a wage rate of Rs. 405.11/- per day (in Plain Areas)					
No. of plants per Ha. = 1000					
Sr no.	Item of Work	Unit	Qty.	405.11 /- Rate/unit (Rs)	Amount (Rs.)
<b>1st Year Plantation</b>					
		Ha.	0.5	6076.65	3038.33
1	Jungle Clearance	No.	480	101.57	48753.60
2	Raising of plants in nursery (30cmX45cm):	No.	720	13.38	9633.60
3	Raising of plants in nursery (15cmX22cm):	RKM	3	283.58	850.74
4	Dag bailing and alignment	M3	86.4	172.17	14875.49
5	Digging of pits (400x0.6mx0.6mx0.6m)	M3	54.675	141.77	7751.27
6	Digging of pits (600x0.45mx0.45mx0.45m)	No.	440	3.06	1346.40
7	Loading and unloading of plants in Tractor/Cart. (30X45cm)	No.	660	0.45	297.00
8	Loading and unloading of plants in Tractor/Cart. (15cmX22cm)	No.	440	25.45	11198.00
9	Carriage of plants (30X45cm)	No.	660	2.53	1669.80
10	Carriage of plants (15cmX22cm)	No.	440	16.22	7136.80
11	Plantation of plants including 10% replacement (30X45cm)	No.	660	6.09	4019.40
12	Plantation of plants including 10% replacement (15cmX22cm)	No.	2000	0.8	1600.00
13	Application of fertilizer (One time DAP+ One time Urea)	No.	5000	6.09	30450.00
14	Irrigation five times	No.	400	8.08	3232.00
15	First Weeding and Hoeing (30X45cm)	No.	600	6.09	3654.00
16	First Weeding and Hoeing (15cmX22cm)	No.	800	6.09	4872.00
17	Subsequent weeding and hoeing two times (30X45cm)	No.	1200	4.05	4860.00
18	Subsequent weeding and hoeing two times (15cmX22cm)	No.			
19	Cost of Wages of protection watcher (one protection watcher for six months for plantation area of 10 ha.)	LS			7292
20	Miscellaneous Expenditure (Urea Dap, tools etc.)				1000
	<b>Total</b>				<b>167530.43</b>
	Added EPF@13%				13611.85
	Added ESI @3.25%				11727.13
	of wages component 50% of the total				192869.40
	Added Contractor Profit@7 % total				
	<b>Net Total</b>				
<b>2nd Year Plantation</b>					
		Ha.	0.5	1908.14	954.07
1	Cleaning of weed/bushes between plantation	No.	96	101.57	9750.72
2	Raising of plants in Nursery (30cmx45cm)	No.	144	13.38	1926.72
3	Raising of plants in Nursery (15cmx22cm)	M3	17.28	81.03	1400.20
4	Re-opening of pits 80x0.6mx0.6mx0.6m	M3	10.93	81.03	885.66
5	Re-opening of pits 120x0.45mx0.45mx0.45m	No.	88	3.06	269.28
6	Loading and unloading of plants (30X45cm)	No.	132	0.45	59.40
7	Loading and unloading of plants (15cmX22cm)	No.	88	25.45	2239.60
8	Carriage of plants (30X45cm)	No.	132	2.53	333.96
9	Carriage of plants (15cmX22cm)	No.	88	16.22	1427.36
10	Planting of plants (30X45cm)	No.	132	6.09	803.88
11	Planting of plants (15cmX22cm)	No.	4000	6.09	24360.00
12	Irrigation four times by hired tractor	No.	1200	6.09	7308.00
13	Weeding and Hoeing Three times (30X45cm)	No.	1800	4.05	7290.00
14	Weeding and Hoeing Three times (15cmX22cm)	LS			1000
15	Miscellaneous Expenditure				
16	Cost of Wages of protection watcher (one protection watcher for six months for plantation area of 10 ha.)				7292
	<b>Total</b>				<b>67300.85</b>

	Added EPF@13%				
	Added ESI @3.25%				
	of wages component 50% of the total				5468.19
	Added Contractor Profit@7 % total				4711.06
	Net Total				77480.10

### 3rd Year Plantation

1	Cleaning of weed/bushes between plantation	Ha.	0.5	1908.14	954.07
2	Raising of plants in Nursery (30cmx45cm)	No.	48	101.57	4875.36
	Raising of plants in Nursery (15cmx22cm)	No.	72	13.38	963.36
3	Re-opening of pits 40x.60 mx.60mx.60m	M3	3.645	81.03	295.35
	Re-opening of pits 60x.45 mx.45mx.45m	M3	5.4675	81.03	443.03
4	Loading and unloading of plants (30X45cm)	No.	44	3.06	134.64
	Loading and unloading of plants (15cmX22cm)	No.	66	0.45	29.70
5	Carriage of plants (30X45cm)	No.	44	25.44	1119.36
	Carriage of plants (15cmX22cm)	No.	66	2.53	166.98
6	Planting of plants (30X45cm)	No.	44	16.22	713.68
	Planting of plants (15cmX22cm)	No.	66	6.09	401.94
7	Irrigation two times	No.	2000	6.09	12180.00
8	Weeding and Hoeling (30X45cm)	No.	400	6.09	2436.00
	Weeding and Hoeling (15cmX22cm)	No.	600	4.05	2430.00
9	Miscellaneous Expenditure	LS			1000
10	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha. )	LS			3646
	Total				31789.48

	Added EPF@13%				
	Added ESI @3.25%				2582.89
	of wages component 50% of the total				2225.26
	Added Contractor Profit@7 % total				36597.63
	Net Total				

### 4th Year Plantation

1	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha. )				3646
2	Cleaning , pruning, Spacing and thinning	LS		0	5000
3	Miscellaneous Expenditure	LS			2500
	Total				11146
	Added EPF@13%				
	Added ESI @3.25%				905.61
	of wages component 50% of the total				780.22
	Added Contractor Profit@7 % total				12831.83
	Net Total				

### 5th Year Plantation

1	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha. )				3646
2	Cleaning , pruning, Spacing and thinning	LS		0	5000
3	Miscellaneous Expenditure	LS			2500
	Total				11146
	Added EPF@13%				
	Added ESI @3.25%				905.61
	of wages component 50% of the total				780.22
	Added Contractor Profit@7 % total				12831.83
	Net Total				

### 6th Year Plantation

1	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha. )				3646
2	Cleaning , pruning, Spacing and thinning	LS		0	5000
3	Miscellaneous Expenditure				2500
	Total				11146
	Added EPF@13%				
	Added ESI @3.25%				905.61
	of wages component 50% of the total				780.22
	Added Contractor Profit@7 % total				



Net Total			
<b>7th Year Plantation</b>			
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)		12831.83
1	ha.)		
2	Cleaning , pruning, Spacing and thinning	LS	3646
3	Misscellaneous Expenditure		5000
	Total	0	2500
	Added EPF@13%		11146
	Added ESI @3.25%		
	of wages component 50% of the total		
	Added Contractor Profit@7 % total		905.61
	Net Total		780.22
<b>8th Year Plantation</b>			
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)		12831.83
1	ha.)		
2	Cleaning , pruning and Spacing	LS	3646
3	Misscellaneous Expenditure		5000
	Total	0	2500
	Added EPF@13%		11146
	Added ESI @3.25%		
	of wages component 50% of the total		
	Added Contractor Profit@7 % total		905.61
	Net Total		780.22
<b>9th Year Plantation</b>			
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)		12831.83
1	ha.)		
2	Cleaning , pruning, Spacing and thinning	LS	3646
3	Misscellaneous Expenditure		5000
	Total	0	2500
	Added EPF@13%		11146
	Added ESI @3.25%		
	of wages component 50% of the total		
	Added Contractor Profit@7 % total		905.61
	Net Total		780.22
<b>10th Year Plantation</b>			
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)		12831.83
1	ha.)		
2	Cleaning , pruning, Spacing and thinning	LS	3646
3	Misscellaneous Expenditure		5000
	Total	0	2500
	Added EPF@13%		11146
	Added ESI @3.25%		
	of wages component 50% of the total		
	Added Contractor Profit@7 % total		905.61
	Net Total		780.22
<b>ABSTRACT OF COST NORMS</b>			
YEAR OF PLANTATION	Cost (in Rs.)	Cost per plant	
FIRST YEAR PLANTATION	192869.40	192.87	
SECOND YEAR PLANTATION	77480.10	77.48	
THIRD YEAR PLANTATION	36597.63	36.60	
FOURTH YEAR PLANTATION	12831.83	12.83	
FIVE YEAR PLANTATION	12831.83	12.83	
SIX YEAR PLANTATION	12831.83	12.83	
SEVEN YEAR PLANTATION	12831.83	12.83	
EIGHT YEAR PLANTATION	12831.83	12.83	
NINE YEAR PLANTATION	12831.83	12.83	
TEN YEAR PLANTATION	12831.83	12.83	
TOTAL	396769.97	396.77	

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