

Diversion of 11.5282 Ha. of Forest Land for Widening & Strengthening of Road from Surewala Chowk to Uklana-Bhuna-Fatehabad Road, Km. 19.70 to 47.375 (SH-2) (Road ID 5367 & 5545) in Distt. Fatehabad under Forest Division & Distt. Fatehabad.

CHECK LIST SERIAL NUMBER:- 18

C.A. Scheme

Detailed scheme for Compensatory Afforestation to be carried out in lieu of
ha., of forest area to be diverted for

11.5282

Diversion of 11.5282 Ha. of Forest Land for Widening & Strengthening of Road from Surewala Chowk to Uklana-Bhuna-Fatehabad Road, Km. 19.70 to 47.375 (SH-2) (Road ID 5367 & 5545) in Distt. Fatehabad under Forest Division & Distt. Fatehabad.

			No.	C.A. Site Name	No. of	Area
Details of de-graded forest land/non forest land where CA is to be carried out :			1	Dehman Sub Minor RD 0 to 18, L/R Side	5000	5
			2	Fatehabad Branch RD 51 to 113, L/Side	12000	12
			3	Mirpur Minor RD 0 to 20, L/R Side	1738	1.738
			G.Total		18738	18.738
Division :	Fatehabad	District	Fatehabad	Village.	Village Khasa Pathana, Baijalpur, Khairi, Dehman, Pirthala, Gajuwala, Parta, Hansewala, Kundanpura, Saniyana, Khasa Pathana, Kajal Heri, Kumharia	

2).	Description of Area :		
i	Whether the site selected for Compensatory Afforestation is a land bank or not	Yes	
ii	If the C.A site is other than the land bank, reasons be given	N.A	
iii	In case of non-forest area identified for CA, then what is the distance of CA site from adjoining forest boundary	N.A	
iv	Soil Type	Sandy Loam	
v	Topography :	a. Hilly/Undulating/Plain.	
		b. Slope:-Steep/Medium/Gentle.	
vi	Whether the area is bearing any root stock of vegetation	No.	

3 **Plantation of Model:-**

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under :-

Detail of year wise breakup of requirement of funds is as under :-

The plantation cost is calculated for Tall Plants norms at 4 mtr x 2.5 mtr spacing at the wage rate of Rs. 405.11/- per day as under :-

Area to be Diverted	11.5282
Area to be planted under Normal C.A.	Ten Times of No. of Trees to be Felled
Nos of trees to be felled	1184
Nos of Plants to be damaged	3449
Nos of Plants to be planted under Normal C.A.	11840

1 **Schedule of Plantation Programme :-**

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

Bill

Sr. No.	Description	Rate		Total Amount
A	Compensatory Afforestation Charges	Nos of Plants	Rate Per plant	
i	1st Year Cost of Afforestation	11840	192.87	2283580.80
ii	2nd Year Maintenance	11840	77.48	917363.20
iii	3rd Year Maintenance	11840	36.60	433344.00
iv	4th Year Maintenance	11840	12.83	151907.20
v	5th Year Maintenance	11840	12.83	151907.20
vi	6th Year Maintenance	11840	12.83	151907.20
vii	7th Year Maintenance	11840	12.83	151907.20
viii	8th Year Maintenance	11840	12.83	151907.20
ix	9th Year Maintenance	11840	12.83	151907.20
x	10th Year Maintenance	11840	12.83	151907.20
Total Charges				4697638.40

xi	Fencing/Miscellaneous/Overhead Charges/Suervisory Charges (20% of CA Amount)		939527.68	939527.68
	Total (Column No. F48+F49)			5637166.08
	Total (A) C.A. Charges			5637166.08
	Or Say			5637166
B	Additional Compensatory Afforestation Charges			
i	1st Year Cost of Afforestation	6898	192.87	1330417.26
ii	2nd Year Maintenance	6898	77.48	534457.04
iii	3rd Year Maintenance	6898	36.60	252466.80
iv	4th Year Maintenance	6898	12.83	88501.34
v	5th Year Maintenance	6898	12.83	88501.34
vi	6th Year Maintenance	6898	12.83	88501.34
vii	7th Year Maintenance	6898	12.83	88501.34
viii	8th Year Maintenance	6898	12.83	88501.34
ix	9th Year Maintenance	6898	12.83	88501.34
x	10th Year Maintenance	6898	12.83	88501.34
	Total Charges			2736850.48
	Total ACA Charges			2736850.48
	Or Say Rs.			2736850
C	Additional Charges (if required)	Qty.	Rate	0
	Total			0
D	Felling Charges (Vol. M3)	787.17	Rs.1400 /- per m ³	1102038
Grand Total (A+B+C+D) to be deposited in CAMPA Fund				9476054
Or Say				9476054

Technical Details :-

- 2 Technical Details of Compensatory Afforestation Scheme are as follows :-

a	General Details	Plantation will be done with 6 standard barbed wire in RF/PF.
b	Spacement.	4 x 2 ½ mtr.
c	Species.	Shisham, Kikar, Neem, Bakain and etc.
d	Plantation Method.	Strip Plantation.
e	Soil and Moisture Conservation Works.	Hoeing, Weeding & Soil Work.
f	Protection (Fencing, watchman, Peoples	Fencing with Barbed Wire/Protection Watcher
g	Proposed Monitoring Mechanisim.	Inspection by officers.
h	Any Other Information	No any.


Divisional Forest Officer
Fatehabad. Forest Division
 Fatehabad

Diversion of 11.5282 Ha. of Forest Land for Widening & Strengthening of Road from Surewala Chowk to Uklana-Bhuna-Fatehabad Road, Km. 19.70 to 47.375 (SH-2) (Road ID 5367 & 5545) in Distt. Fatehabad under Forest Division & Distt.-Fatehabad.

Proposal No.

FP/HR/ROAD/150425/2021

NPV CALCULATION SHEET

	Description	Total Area	Rate	Total Amount (in Rs.)
A	Net Present Value of Forest Land to be Diverted	11.5282	957780	11041479.40
Or Say Rs.				11041479

Diverted Land Detail

1	Eco Class	III
2	Canopy Density	Very Dense/Dense/ Open
Total NPV Payable Amount		11041479


 Divisional Forest Officer,
 Fatehabad. Forest Division
 Fatehabad

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

12

	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 Hoeing (30X45cm)	No.	400	6.09	2436.00
	Weeding and Hoeing (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%				
	of wages component 50% of the total				2582.89
	Added Contractor Profit@7 % total				2225.26
	Net Total				36597.63
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%				
	of wages component 50% of the total				905.61
	Added Contractor Profit@7 % total				780.22
	Net Total				12831.83
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%				
	of wages component 50% of the total				905.61
	Added Contractor Profit@7 % total				780.22
	Net Total				12831.83
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%				
	of wages component 50% of the total				905.61
	Added Contractor Profit@7 % total				780.22

						12831.83
	Net Total					
7th Year Plantation						
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)					3646
1						
2	Cleaning , pruning, Spacing and thinning	LS		0		5000
3	Misscellaneous Expenditure					2500
	Total					11146
	Added EPF@13%					
	Added ESI @3.25%					
	of wages component 50% of the total					905.61
	Added Contractor Profit@7 % total					780.22
	Net Total					12831.83
8th Year Plantation						
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)					3646
1						
2	Cleaning , pruning and Spacing	LS		0		5000
3	Misscellaneous Expenditure					2500
	Total					11146
	Added EPF@13%					
	Added ESI @3.25%					
	of wages component 50% of the total					905.61
	Added Contractor Profit@7 % total					780.22
	Net Total					12831.83
9th Year Plantation						
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)					3646
1						
2	Cleaning , pruning, Spacing and thinning	LS		0		5000
3	Misscellaneous Expenditure					2500
	Total					11146
	Added EPF@13%					
	Added ESI @3.25%					
	of wages component 50% of the total					905.61
	Added Contractor Profit@7 % total					780.22
	Net Total					12831.83
10th Year Plantation						
	Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)					3646
1						
2	Cleaning , pruning, Spacing and thinning	LS		0		5000
3	Misscellaneous Expenditure					2500
	Total					11146
	Added EPF@13%					
	Added ESI @3.25%					
	of wages component 50% of the total					905.61
	Added Contractor Profit@7 % total					780.22
	Net Total					12831.83
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			
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			

2

PRINCIPAL CHIEF CONSERVATOR OF FORESTS, HARYANA,
FOREST DEPARTMENT.

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

No.: FCA/396

Dated: 15/05/2023

To

All Divisional Forest Officers (Territorial)
Haryana.

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

- I. 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
TOTAL	296911.93	296.91
Fencing/Miscellaneous/Overhead Charges (20% of CA Amount)	59382.39	59.38
G. TOTAL	356294.32	356.29

ii) In Plain regions (Annexure -II)

Abstract of Cost Norms @1000 plants per Ha. (Tall 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
EIGHT YEAR PLANTATION	12831.83	12.83

Copy to AERFO's
for n/g plan
15/5/23
DFO Patna

APC
15/5/23

2

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

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
TOTAL	664483.21	664.48
Fencing/Miscellaneous/Overhead Charges (20% of CA Amount)	132896.64	132.90
G. TOTAL	797379.86	797.38

Note:- Ridge will be made only to extent of water logged area. 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
TOTAL	1075304.58	1075.30
Fencing/Miscellaneous/Overhead Charges (20% of CA Amount)	215060.92	215.06
G. TOTAL	1290365.49	1290.37

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

2

- 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


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


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