

CA Scheme for Tall Plant

Full Title of the Project: Diversion of 3.9825 Ha. of Forest Land for widening & strengthening of Panchkula sector-32 to Morni RD km 0.00 to 17.700 in Distt. Panchkula.(Wild Life Area)

File No. (FP/HR/RAOD/141281/2021)

Date of Proposal

CHECK LIST SERIAL NUMBER:- 18

Name of the Forest/Reach to be diverted	Diversion of 3.9825 Ha. of Forest Land for widening & strengthening of Panchkula sector-32 to Morni RD km 0.00 to 17.700 in Distt. Panchkula.(Wild Life Area)			Panchkula Distt.
Forest Area (in Ha)	3.9825 Ha			
Details of de-graded forest land/non forest land where CA is to be carried out :	Morni-Pinjore		(1) R-71 Nada Beat, Panchkula (2) C-234 jonpur Beat, Thapli Block, Pinjore range	Village. (1) R-71 Nada Beat, Panchkula (2) C-234 jonpur Beat, Thapli Block, Pinjore range
GPS Reading of proposed CA site	(1) R-71 Nada Beat, Panchkula (2) C-234 jonpur Beat, Thapli Block, Pinjore range			

Description of Area :

2	Whether the site selected for Compensatory Afforestation is a land bank or not			
i	If the C.A site is other than the land bank, reasons be given			N.A
ii	In case of non-forest area identified for CA, then what is the distance of CA site from adjoining forest boundary			Within Forest
iii	Soil Type			Arid brown soil with texturte varies from sandy loam to clay.
iv	Topography :		a. Hilly/Undulating/Plain.	Undulating
v			b. Slope:-	Gentle
	Whether the area is bearing any root stock of vegetation			No
vi				
	Plantation of Model:-			
3	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 :-			
4				

The plantation cost is calculated for tall plants norms at 4mtr x 4 mtr spacing and it is approved by the PCCF, Haryana's at the wage rate of Rs.347.08/- per day as under :-

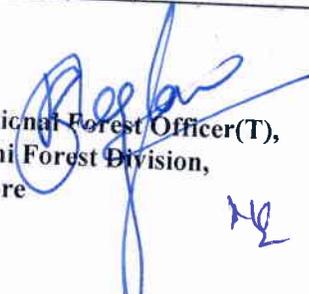
Sr.No.	Year	Cost norm per plants
	1st Year Cost of Afforestation	381.97
i	2nd Year Maintenance	122.70
ii	3rd Year Maintenance	44.55
iii	4th Year Maintenance	16.57
iv	5th Year Maintenance	16.57
v	6th Year Maintenance	16.57
vi	7th Year Maintenance	16.57
vii	8th Year Maintenance	16.57
viii	9th Year Maintenance	16.57
IX	10th Year Maintenance	16.57
	Total	665.22

Area to be planted	Area to be Diverted	3.9825 Ha
	(Two times the diverted area)	7.965 Ha
Nos of trees to be felled		750
Nos of Plants to be planted @ 1000/- plants per Ha		7965
Nos of Plants to be damaged	2239	
Two times of Plant to be damaged	4478	

Schedule of Plantation Programme :-
 5 Detail of year wise break-up of requirements of funds is as under :-

CA Charges for T.P.				
Sr. No.	Description	Rate	Amount	
			Nos of Plants	Rate Per plant
A	Compensatory Afforestation Charges			
i	1st Year Cost of Afforestation	2965	381.97	1132541.05
ii	2nd Year Maintenance	2965	122.70	363806
iii	3rd Year Maintenance	2965	44.55	132091
iv	4th Year Maintenance	2965	16.57	49130.05
v	5th Year Maintenance	2965	16.57	49130.05
vi	6th Year Maintenance	2965	16.57	49130.05
vii	7th Year Maintenance	2965	16.57	49130.05
viii	8th Year Maintenance	2965	16.57	49130.05
ix	9th Year Maintenance	2965	16.57	49130.05
x	10th Year Maintenance	2965	16.57	49130.05
xi	Barbed wire fencing charge (RKM)	11.86	Rs.200000/- per RKM.	2372000
			Total Charges	4344348
	Supervisory / Over Head / Miscellaneous Charges	10% of CA		434435
	Total (A)	CA Charges		4778782

B	Addl. Compensatory Afforestation Charges		Nos of Plants	Rate Per plant	
i	1st Year Cost of Afforestation		1478	381.97	564551.66
ii	2nd Year Maintenance		1478	122.70	181350.6
iii	3rd Year Maintenance		1478	44.55	65844.9
iv	4th Year Maintenance		1478	16.57	24490.46
v	5th Year Maintenance		1478	16.57	24490.46
vi	6th Year Maintenance		1478	16.57	24490.46
vii	7th Year Maintenance		1478	16.57	24490.46
viii	8th Year Maintenance		1478	16.57	24490.46
ix	9th Year Maintenance		1478	16.57	24490.46
x	10th Year Maintenance		1478	16.57	24490.46
xi	Barbed wire fencing charge (RKM)		5.91	Rs.200000/- per KM.	1182400
	ToTal (B) Addl. C.A.Charges				2165580.38
C	Penal C.A.				0
D	Catchment Area Treatment/Soil and Moisture Conservation Charges			30% of the total CA	1433635
E	Safety Zone if required				0
F	Add.charges if required				0
G	Net Present Value of forest land		3.9825	887000	17662388
	<small>Since the proposed area fall under Khol Hai Ratan Wildlife sanctuary hence 5 time NPV charges are required to be taken.</small>				
H	Felling Charges	750 trees	162.59	Rs.1200/-per CUM	195108
	Grand Total				26235493
	Or Say Technical Details :-				
6	Technical Details of Compensatory Afforestation Scheme are as follows :-				
	General Details			Plantation will be done with 3 standard barbed wire in RF/PF.	
a	Spacement.			4 x 4 mtr.	
b	Species.			Aawla, Baheda, Papdi	
c	Plantation			Tall Plantation	
d	Soil and Moisture Conservation Works.			NIL	
e	Protection (Fencing, watchman, Peoples Participation etc).			Fencing	
f	Proposed Monitoring Mechanisim.			M&E	
g	Any Other Information			No any.	


 Divisional Forest Officer(T),
 Morni Forest Division,
 Pinjore

CA Scheme for P-Bag Plants

Full Title of the Project: Diversion of 3.9825 Ha. of Forest Land for widening & strengthening of Panchkula sector-32 to Morni RD km 0.00 to km 17.700 in Distt. Panchkula.(Wild Life Area) (MDR-118)

File No. **(FP/HR/RAOD/141281/2021))**

Date of Proposal

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Name of the Forest/Reach to be diverted	Diversion of 3.9825 Ha. of Forest Land for widening & strengthening of Panchkula sector-32 to Morni RD km 0.00 to km 17.700 in Distt. Panchkula.(Wild Life Area) (MDR-118)		Panchkula Distt.	
Forest Area (in Ha)	3.9825 Ha			
Details of de-graded forest land/non forest land where CA is to be carried out :	Morni-Pinjore	(I) R-70 C-1 Nada Beat, Panchkula (II) C-234 Jonpur Beat, Thapli Block, Pinjore Range	Village.	(I) R-70 C-1 Nada Beat, Panchkula (II) C-234 Jonpur Beat, Thapli Block, Pinjore Range
GPS Reading of proposed CA site	(I) R-70 C-1 Nada Beat, Panchkula (II) C-234 Jonpur Beat, Thapli Block, Pinjore Range			

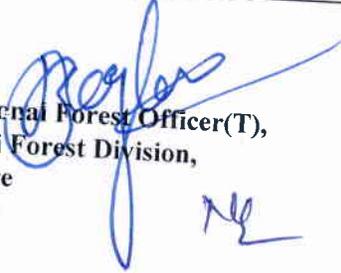
Description of Area :

2	Whether the site selected for Compensatory Afforestation is a land bank or not				
i	If the C.A site is other than the land bank, reasons be given			N.A	
ii	In case of non-forest area identified for CA, then what is the distance of CA site from adjoining forest boundary			Within Forest	
iii	Soil Type			Arid brown soil with texturte varies from sandy loam to clay.	
iv	Topography :		a. Hilly/Undulating/Plain.	Undulating	
v			b. Slope:-	Gentle	
vi	Whether the area is bearing any root stock of vegetation			No	
Plantation of Model:-					
3	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 :-					
4					

The plantation cost is calculated for tall plants norms at 4mtr x 4 mtr spacing and it is approved by the PCCF, Haryana's at the wage rate of Rs.347.08/- per day as under :-

Sr.No.	Year	Cost norm per plants		
	1st Year Cost of Afforestation		160.00	
i	2nd Year Maintenance		50.00	
ii	3rd Year Maintenance		36.00	
iii	4th Year Maintenance		10.00	
iv	5th Year Maintenance		10.00	
v	6th Year Maintenance		10.00	
vi	7th Year Maintenance		10.00	
vii	8th Year Maintenance		10.00	
viii	9th Year Maintenance		10.00	
IX	10th Year Maintenance		10.00	
	Total		316.00	
				Area to be Diverted 3.9825 Ha
Area to be planted		(Two times the diverted area)		7.965 Ha
Nos of trees to be felled				750
Nos of Plants to be planted @ 1000/- plants per Ha				7965
Nos of Plants to be damaged				2239
Two times of Plant to be damaged				4478
Schedule of Plantation Programme :-				
5	Detail of year wise break-up of requirements of funds is as under :-			
CA Charges for P-bag (Small Plants)				
Sr. No.	Description	Rate		Amount
A	Compensatory Afforestation Charges	<u>Nos of Plants</u>	<u>Rate Per plant</u>	
i	1st Year Cost of Afforestation	5000	160.00	800000
ii	2nd Year Maintenance	5000	50.00	250000
iii	3rd Year Maintenance	5000	36.00	180000
iv	4th Year Maintenance	5000	10.00	50000
v	5th Year Maintenance	5000	10.00	50000
vi	6th Year Maintenance	5000	10.00	50000
vii	7th Year Maintenance	5000	10.00	50000
viii	8th Year Maintenance	5000	10.00	50000
ix	9th Year Maintenance	5000	10.00	50000
x	10th Year Maintenance	5000	10.00	50000
xi	Barbed wire fencing charge (RKM)	20.00	Rs.200000/- per RKM.	4000000
				Total Charges
Supervisory / Over Head / Miscellaneous Charges				558000
		10% of CA		558000
ToTal (A)		CA Charges		6138000

B	Addl. Compensatory Afforestation Charges	Nos of Plants	Rate Per plant	
i	1st Year Cost of Afforestation	3000	160.00	480000
ii	2nd Year Maintenance	3000	50.00	150000
iii	3rd Year Maintenance	3000	36.00	108000
iv	4th Year Maintenance	3000	10.00	30000
v	5th Year Maintenance	3000	10.00	30000
vi	6th Year Maintenance	3000	10.00	30000
vii	7th Year Maintenance	3000	10.00	30000
viii	8th Year Maintenance	3000	10.00	30000
ix	9th Year Maintenance	3000	10.00	30000
x	10th Year Maintenance	3000	10.00	30000
xi	Barbed wire fencing charge (RKM)	12.00	Rs.200000/- per KM.	2400000
	ToTal (B) Addl. C.A.Charges			3348000
C	Penal C.A.			0
D	Catchment Area Treatment/Soil and Moisture Conservation Charges		30% of the total CA	1841400
E	Safety Zone if required			0
F	Add.charges if required			0
G	Net Present Value of forest land to be diverted		887000	0
H	Felling Charges 0 trees		Rs.1200/-per CUM	0
	Grand Total			11327400
	Or Say Technical Details :-			
6	Technical Details of Compensatory Afforestation Scheme are as follows :-			
	General Details			Plantation will be done with 3 standard barbed wire in RF/PF.
a	Spacement.		4 x 4 mtr.	
b	Species.		Aawla, Baheda, Papdi	P-bag(Small Plants)
c	Plantation		Plantation will	
d	Soil and Moisture Conservation Works.		NIL	
e	Protection (Fencing, watchman, Peoples Participation etc).		Fencing	
f	Proposed Monitoring Mechanisim.		M&E	
g	Any Other Information		No any.	


 Divisional Forest Officer(T),
 Morni Forest Division,
 Pinjore