

Full Title of the Project: Diversion of 3.5 Ha of forest land for laying of Sewerage pipe along Agra Canal from Kheri village to Mirjapur village district Faridabad State Haryana.  
File No. : FP/HR/Others/41984/2019  
Date of Proposal: \_\_\_\_\_

**CHECK LIST SERIAL NUMBER: - 18**  
**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detail scheme for Compensatory Afforestation in lieu of proposal for Diversion of 3.5 Ha of forest land for laying of Sewerage pipe along Agra Canal from Kheri village to Mirjapur village district Faridabad State Haryana

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

District: - Faridabad Tehsil: Faridabad  
Forest Division: - Faridabad Range: Faridabad  
Block/Compt/Survey No.: - Chainsa distributary RD 15-40 L&R side  
Area to be Afforested: - 7660 Plants will be planted

**Description of the Area:-**

- Whether the site selected for Compensatory Afforestation is a land bank (Yes or No):-  
the site selected for Compensatory Afforestation is not a land bank.
- If the CA site is other than the land bank, reasons are given:- There is no land bank in District Faridabad. Plantation will be carried out :- Chainsa distributary RD 15-40 L&R side  
.In case of Non-Forest area identified for CA, then what is the distance of CA site from adjoining forest boundary: - CA will be carried out :- Chainsa distributary RD 15-40 L&R side  
Soil type: - Normal.  
Topography:-

- a. Hilly/Undulating/Plain Plain  
b. Slope: - Steep/Medium/Gentle Gentle  
i) Whether the area is bearing any root stock of vegetation:- No

3. **Plantation Model:-**  
Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under:
4. **Schedule of Plantation Programme:-**

Detail of year wise break-up of requirements of funds is as under:-  
The Plantation is calculated for Tall Plants norms at 4m X 4m spacing and 1000 plants per Ha. and it is approved by the PCCF, Haryana's letter No. 109 Dated 20.05.2022 at the wages rate of Rs.388.42/- per day as under:-

Sr. No.	Year	Cost norm per plant
1	1 <sup>st</sup> Year Plantation	Rs. 397.34 Per Plant
2	2 <sup>nd</sup> Year Maintenance	Rs. 91.32 Per Plant

3	3 <sup>rd</sup> Year Maintenance	Rs. 55.96 Per Plant
4	4 <sup>th</sup> Year Maintenance	Rs. 24.7 Per Plant
5	5th Year Maintenance	Rs. 24.7 Per Plant
6	6th Year Maintenance	Rs. 24.7 Per Plant
7	7th Year Maintenance	Rs. 24.7 Per Plant
8	8th Year Maintenance	Rs. 24.7 Per Plant
9	9th Year Maintenance	Rs. 24.7 Per Plant
10	10th Year Maintenance	Rs. 24.7 Per Plant
	<b>Total Cost.</b>	<b>Rs. 717.52/-</b>

Area to be diverted: 3.5 hec.

Area to be planted (One/two/ten times the diverted area) = 7660 plants.

No. of trees to be felled= 489

No. of Plants to be damaged=330

Number of Plants to be planted (@ 1100 Plant per Hec.) = 7660 Plants

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plant		
	(1) 1 <sup>st</sup> Year cost of afforestation	7000	Rs. 397.34 Per Plant	2781380
	(2) 2 <sup>nd</sup> Year maintenance	7000	Rs. 91.32 Per Plant	639240
	(3) 3 <sup>rd</sup> Year maintenance	7000	Rs. 55.96 Per Plant	391720
	(4) 4 <sup>th</sup> Year maintenance	7000	Rs. 24.7 Per Plant	172900
	(5) 5 <sup>th</sup> Year maintenance	7000	Rs. 24.7 Per Plant	172900
	(6) 6 <sup>th</sup> Year maintenance	7000	Rs. 24.7 Per Plant	172900
	(7) 7 <sup>th</sup> Year maintenance	7000	Rs. 24.7 Per Plant	172900
	(8) 8 <sup>th</sup> Year maintenance	7000	Rs. 24.7 Per Plant	172900
	(9) 9 <sup>th</sup> Year maintenance	7000	Rs. 24.7 Per Plant	172900

(10) 10 <sup>th</sup> Year maintenance	7000	Rs. 24.7 Per Plant	172900
		<b>Total</b>	<b>5022640</b>
(11) Total Barbed wire fencing charge	RKM	Rs.200000/- Per RKM	2900000
	14.5		
Total Charges			7922640
Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	792264
Total (A) C.A. Charge			<b>8714904</b>
<b>B Add. Compensatory Afforestation Charges</b>			
(1) 1 <sup>st</sup> Year cost of afforestation	660	Rs. 397.34 Per Plant	262244.4
(2) 2 <sup>nd</sup> Year maintenance	660	Rs. 91.32 Per Plant	60271.2
(3) 3 <sup>rd</sup> Year maintenance	660	Rs. 55.96 Per Plant	36933.6
(4) 4 <sup>th</sup> Year maintenance	660	Rs. 24.7 Per Plant	16302
(5) 5 <sup>th</sup> Year maintenance	660	Rs. 24.7 Per Plant	16302
(6) 6 <sup>th</sup> Year maintenance	660	Rs. 24.7 Per Plant	16302
(7) 7 <sup>th</sup> Year maintenance	660	Rs. 24.7 Per Plant	16302
(8) 8 <sup>th</sup> Year maintenance	660	Rs. 24.7 Per Plant	16302
(9) 9 <sup>th</sup> Year maintenance	660	Rs. 24.7 Per Plant	16302
(10) 10 <sup>th</sup> Year maintenance	660	Rs. 24.7 Per Plant	16302
(11) Barbed wire fencing charge	RKM	Rs.200000/- Per RKM	0
	0		



	Total (B) Add. C.A. Charges			473563.2
C	Addl. Supy charges		-	47356.32
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges			0
	Total (D)			0
E	Safety Zone (if required)			0
F	Additional Charges (if required)	Qty	Rate	0
	Total (F)			0
G	Total (A+B+C+D+E+F)			9235823.52
H	Exigency Charges 3% of the total cost of (A+B+C+D+E+F)			277074.7056
I	Grand Total (A+B+C+D+E+F+G) to be deposited in CAMPA Fund			9512898.226

**5. Technical details:-**

- Technical details of Compensatory Afforestation Scheme are as follows:-
- General Details: - **Plantation will be done along** Chhainsa distributary RD 15-40 L&R Side
  - Spacing: - 4m X 4m T.P Planting
  - Species: - Neem, Pipal, Bad etc.
  - Plantation Method: - Pit Plantation
  - Soil and Moisture Conservation Works: - Nil
  - Protection (Fencing, Watch man, People's Participation etc.): - Barbed wire Fencing
  - Proposed Monitoring Mechanism: - Checking of plantation works will be Chhainsa distributary RD 15-40 L&R Side RFO, DCF, CF, and DCF (M&E)

  
Dy. Conservator of Forests  
Faridabad

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**NET PRESENT VALUE**

S. No	DESCRIPTION	RATE	TOTAL AMOUNT (Rs.)
A	Net Present Value of Forest Land to be diverted 3.5 Ha	Rs. 1228590/- per ha.	4300065
	Total		4300065

  
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**FELLING CHARGES**

S. No	DESCRIPTION	RATE	FELLING VOLUME	TOTAL AMOUNT (Rs.)
	FELLING CHARGES	Rs. 1200 per M3	75.67	90804.00
	Total			90804.00

  
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**Cost Statement of Plantation of Tall Plants under Green Belt in Urban Area/NPV during the Year 2022-23 at Wage Rate of Rs. 388.42/- per day**

No. of Plants per RKM = 250, spacing = 4m plant to plant

Sr. No.	Item of Work	Unit	Qty.	Rate / Unit (Rs.)	Amount (Rs.)
<b>1st year expenditure</b>					
1	Jungle clearance	Ha	0.5	5826.30	2913.15
2	Dag bailing and alignment	RKM	1	271.90	271.90
3	Digging of pits 250x0.6mx0.6mx0.6m	m <sup>3</sup>	54	165.08	8914.32
4	Loading and unloading of plants in tractor/cart	Nos	300	2.93	879.00
5	Carriage of plants	Nos	300	24.40	7320.00
6	Planting of seedling & including 10% replacement	Nos	275	15.55	4276.25
7	Application of fertilizer (one time DAP+One time urea)	Nos	500	0.77	385.00
8	Irrigation eight times	Nos	2000	5.84	11680.00
9	Purchase of water	LS			2500.00
10	First weeding and hoeing	Nos	250	7.75	1937.50
11	Subsequent weeding and hoeing five times	Nos	1250	5.84	7300.00
12	Miscellaneous expenditure	LS			1700.00
13	Cost of wages of protection watcher (one protection watcher for six months for plantation area of 10 RKM)	LS			6991.00
	<b>Total</b>				57068.12
14	Raising of plants in nursery (30cmx45cm) :250+20% extra	Nos	300	97.39	29217.00
	<b>G.Total</b>				86285.12
	Added EPF @ 13%				
	Added ESI @ 3.25%				
	of wages component 50% of total				7010.67
	Added Contractor profit @ 7% of total				6039.96
	<b>Net Total</b>				99335.74
<b>2nd year maintenance</b>					
1	Clearing of weeds/ bushes in strips between plantation row.	Ha.	0.5	1829.53	914.77
2	Re-opening of pits 50x0.6mx0.6mx0.6m	M <sup>3</sup>	11	77.69	854.59
3	Loading and unloading of plants	No.	60	2.93	175.80
4	Carriage of plants	No.	60	24.40	1464.00
5	Planting of plants	No.	50	15.55	777.50
6	Irrigation two times	No.	500	5.84	2920.00
7	Purchase of water				1500.00
8	Weeding and hoeing three times	No.	750	5.84	4380.00
9	Miscellaneous expenditure	LS			1000.00
	<b>Total</b>				13986.66
10	Raising of Plants in nursery	No.	60	97.39	5843.40
	<b>G.Total</b>				19830.06
	Added EPF @ 13%				
	Added ESI @ 3.25%				
	of wages component 50% of total				1611.19
	Added Contractor profit @ 7% of total				1388.10
	<b>Net Total</b>				22829.35
<b>3rd year maintenance</b>					
1	Clearing of weeds/ bushes in strips between plantation row.	Ha.	0.5	1829.53	914.77
2	Re-opening of pits 50x0.6mx0.6mx0.6m	M <sup>3</sup>	5.5	77.69	427.30
3	Loading and unloading of plants	No.	30	2.93	87.90
4	Carriage of plants	No.	30	24.40	732.00
5	Planting of plants	No.	25	15.55	388.75
6	Irrigation two times	No.	500	5.84	2920.00
7	Purchase of water				1000.00
8	Weeding and hoeing once	No.	250	5.84	1460.00
9	Miscellaneous expenditure	LS			1300.00
	<b>Total</b>				9230.71
10	Raising of Plants in nursery	No.	30	97.39	2921.70
	<b>G.Total</b>				12152.41
	Added EPF @ 13%				
	Added ESI @ 3.25%				
	of wages component 50% of total				987.38
	Added Contractor profit @ 7% of total				850.67
	<b>Net Total</b>				13990.46



<b>4th year maintenance</b>					
1	Clearing of weeds/ bushes in strips between plantation row.	Ha.	0.5	1829.53	914.77
2	Expenditure on cleaning, pruning and thinning	LS			3000.00
3	Miscellaneous expenditure	LS			1450.00
	<b>Total</b>				<b>5364.77</b>
	<b>Added EPF @ 13%</b>				
	<b>Added ESI @ 3.25%</b>				
	<b>of wages component 50% of total</b>				<b>435.89</b>
	<b>Added Contractor profit @ 7% of total</b>				<b>375.53</b>
	<b>Net Total</b>				<b>6176.19</b>
<b>5th year maintenance</b>					
1	Clearing of weeds/ bushes in strips between plantation row.	Ha.	0.5	1829.53	914.77
2	Expenditure on cleaning, pruning and thinning	LS			3000.00
3	Miscellaneous expenditure	LS			1450.00
	<b>Total</b>				<b>5364.77</b>
	<b>Added EPF @ 13%</b>				
	<b>Added ESI @ 3.25%</b>				
	<b>of wages component 50% of total</b>				<b>435.89</b>
	<b>Added Contractor profit @ 7% of total</b>				<b>375.53</b>
	<b>Net Total</b>				<b>6176.19</b>
<b>6th year maintenance</b>					
1	Clearing of weeds/ bushes in strips between plantation row.	Ha.	0.5	1829.53	914.77
2	Expenditure on cleaning, pruning and thinning	LS			3000.00
3	Miscellaneous expenditure	LS			1450.00
	<b>Total</b>				<b>5364.77</b>
	<b>Added EPF @ 13%</b>				
	<b>Added ESI @ 3.25%</b>				
	<b>of wages component 50% of total</b>				<b>435.89</b>
	<b>Added Contractor profit @ 7% of total</b>				<b>375.53</b>
	<b>Net Total</b>				<b>6176.19</b>
<b>ABSTRACT OF COST NORMS</b>					
<b>YEAR OF PLANTATION</b>		<b>Cost (Rs.)</b>		<b>Cost per plant (Rs.)</b>	
FIRST YEAR PLANTATION		99335.74		397.34	
SECOND YEAR MAINTENANCE		22829.35		91.32	
THIRD YEAR MAINTENANCE		13990.46		55.96	
FOURTH YEAR MAINTENANCE		6176.19		24.70	
FIFTH YEAR MAINTENANCE		6176.19		24.70	
SIXTH YEAR MAINTENANCE		6176.19		24.70	
<b>TOTAL</b>		<b>154684.11</b>		<b>618.74</b>	

Note:- Maintenance of plantation for a period of 3 years under State Scheme and up to 5 years under NPV scheme is allowed.

Principal Chief Conservator of Forests (HOLF)  
Haryana, Panchkula.