

Compensatory afforestation scheme (as per plantation under Delhi Preservation of Tree Act, 1994) for the diversion for development of Urban Extension Road-II NH344 M from Design Km 0+000 at NH-1 intersection (Km 23+800, near Bankoli village) to design Km 38+111 near Sector 24, Dwarka in the state of NCT Delhi(ProposalNoFP/DL/ROAD/49252/2020

1. A compensatory afforestation of 17100 sapling has to be carried out over an area of 17.0998 ha. land located at Village Holambi Kalan and Sanothvillage(Khasra No List Enclosed at Annexure 1) , Delhi. As per existing norms of Compensatory Plantation in department of Forest and wildlife, GNCTD, the cost of plantation and 07 years maintenance is Rs 5700/ (Rs. Five Thousand Seven Hundred only) per sapling.
2. As per the existing ratio, 1000 sapling can be planted in 01 hecter. Therefore, 17100 saplings are to be planted in 17.0998 ha. land.
3. For per sapling cost/expenditure for 10 years is $(5700/7 \times 10) = \text{Rs. } 8142.86/-$ (Detail enclosed)
4. Cost for 17100 saplings mentioned in component work table is $8143 \times 17100 = \text{Rs. } 13,92,45,300/$
5. The component of plantation activity are as follows:

S. No.	Component of work
1	Fencing.
2	Removal of dead wood and dry bushes and malba, etc. and leveling .
3	Uprooting of root stumps, weeds etc. and site preparation with good earth.
4	Mechanical digging of pits.
5	Application of Chloro-pyro-phos and gypsum for termite/laterite treatment etc.
6	Flooding the pit with water.
7	Treatment of pits with FYM.
8	Cost of sapling.
9	Transportation cost of sapling from nursery to site.
10	Irrigation during months of planting and remaining months of Ten years of creation of plantation.
11	FYM/Neem cake, bone meal and insecticide for 10 years
12	Casualty replacement in 2 nd & 3 rd years for 30% of the plantation.
13.	Watch and ward duty including monitoring and evaluation.
14	Total estimated cost for creation and maintenance including fencing.
6. Making soak pit 2.5 m diameter 3.0 m deep with 45X45 cm dry brick honey comb shaft with brick and S.W drain pipe 100 mm diameter, 1.8 m long complete as per standard design. For 10 Nos= $25278.75 \times 10 = \text{Rs } 2,52,788/-$
7. Cost of LMV, farm Machinery (Tractor etc.) and its maintenance= Rs 40,00,000/-
8. For evaluation and monitoring requisite unskilled man power (120 months X 15,908)= Rs 19,08,960/-
9. Construction of Camp Office with 30ftX 30ft dimension=10,00,000/-
10. Construction of Inspection Path $(700(L) \times 2.43 (B) \times 3.28 (D) = 5579.28 \text{ cum} = 5579.28 \times \text{Rs } 767.25 = \text{Rs } 42,80,702/-$
11. **Total estimated cost therefore for all plantation work is= Rs150687750/ (Fifteen Crore Six Lakh Eighty Seven Thousand Seven Hundred Fifty Only)**
12. The said amount includes administrative & contingency charges @ Rs. 1000/- (Rupees One Thousand Only) per sapling for 10 years.

13. The payment at pt. 11 shall be deposited to CAMPA fund only through e portal.

Place: New Delhi

Date:


(Navneet K. Srivastava)
DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION



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GOVERNMENT OF NCT OF DELHI
DEPARTMENT OF FORESTS & WILDLIFE
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No. F.11(06)/PA/CF/09/Pt. File/SA/2471-82

Dated: 02/7/15

OFFICE ORDER

The cost of compensatory plantation under relevant provisions of the Delhi (Preservation) of Trees Act, (DPTA) 1994 to compensate the loss of greenery in the NCT of Delhi had been placed before the Cabinet in meeting of Council of Ministers held on 19.06.2015 where it has been decided vide its decision no.2161 dated 19.06.2015 that the existing amount for security of Rs. 28,000/- to be raised to Rs. 34,500/- in case of individuals and Rs. 57,000/- in case of developmental & commercial projects for each tree to be removed with refundable component of Rs. 15,000/- & Rs. 25,000/- in case of individuals and projects respectively.

(Kulanand Joshi)
Addl. Secretary (Env.)

Copy to:

1. The Pr. Secretary to Lt. Governor, Delhi, Govt. of NCT of Delhi. Raj Niwas.
2. The Pr. Secretary to the Chief Minister, Delhi.
3. The Chief Secretary, Govt. of NCT of Delhi.
4. The Vice-Chairman, Delhi Development Authority (DDA), Vikas Sadan, INA, New Delhi.
5. The Commissioner, MCD, Town Hall, Chandni Chowk, Delhi.
6. All Pr. Secretaries/Secretaries/HoDs, Govt. of NCT of Delhi.
7. The Chairman, NDMC, Palika Kendra, New Delhi.
8. The Addl. Pr. Conservator of Forests, Department of Forests & Wildlife, Govt. of NCT of Delhi, A-Block, 2nd floor, Vikas Bhawan, New Delhi-110002.
9. The Conservator of Forests, Department of Forests & Wildlife, Govt. of NCT of Delhi, A-Block, 2nd floor, Vikas Bhawan, New Delhi-110002.
10. The Dy. Conservator of Forests (North/South/West/P&M/HQ), Department of Forests & Wildlife, Govt. of NCT of Delhi, New Delhi.
11. Dy. Conservator of Forests (P&M /HQ), Department of Forests & Wildlife, Govt. of NCT of Delhi, New Delhi.
12. Guard File.

(Kulanand Joshi)
Addl. Secretary (Env.)

COMPENSATORY AFFORESTATION BUDGETING
FOR INDIVIDUALS UNDER DPTA, 1994

Sl. No.	Components of Work	Unit of Work	Rate (Rs. Per unit)	Remarks
1 a)	Cost of sapling (4 – 6 feet tall)	Per sapling	85	Sapling purchased from nursery
1 b)	Cost of transportation from nursery to plantation site	Number	5	-
2.	Uprooting of root stumps, weeds etc. and site preparation	Per pit	25	Site levelling, removal of malba, etc. for better soil moisture regime.
3.	Digging of pits (soil loosening, removing of rubbles and stones, filling with good earth etc.)	Per pit	150	Procurement and good earth to the site
4.	Application of Chloro-pyrophos and Gypsum for termite/laterite treatment etc.	Per pit	10	Improvement of pH as alkalinity of soil is more than 8.
5.	Flooding the pit with water	Per pit	5	To assess the kankar pan formation below top soil.
6.	Filling of pits with FYM (5 cft. per pit), Bone meal (5 kg. per pit) and neem cake (5 kg. per pit)	Per pit	125	
7.	Irrigation		30	
8.	Basket/ Asbestos sheet reusable fencing	Per sapling	480	

9.	Maintenance of sapling including watch and ward, watering atleast thrice a week and casualty replacement for 6 months in the year of plantation and regular manuring and termite treatment etc.	Per sapling	300	
10.	Maintenance of plant for 5 years @ Rs. 30 per month		1,800	
	Total estimated cost of creation and maintenance of 1 (one) sapling including fencing		3,015	Rs. 3,000 (Round off figure)

Abstract:

S. No.	Description	Amount (Rs.)
A.	Cost of creation and maintenance of plantation (5 saplings) to be raised by Forest Department including the cost of fencing (Non-refundable)	15,000
B.	Security deposit to ensure compensatory plantation by the applicant (refundable on successful compensatory plantation) i.) Cost of creation and maintenance of plantation (5 saplings) to be raised by Forest Department including the cost of fencing	15,000
	Total	30,000
11.(a)	Overheads/Administrative costs @ 10%	3000
(b)	Contingencies @5%	1500
	Total amount to be realized from the applicant at the time of granting permission to fell a tree	34,500/-

COMPENSATORY AFFORESTATION BUDGETING FOR PROJECTS

Sl. No.	Components of Work	Unit of Work	Rate (Rs. Per unit)	Amount in Rs.(for 1000 saplings per hectare)	Remarks
1.	Fencing	Meter	4,000	10,000	
2.	Removal of dead wood and dry bushes, and malba etc. and levelling	Hectare	25,000	25,000	-
	Uprooting of root stumps, weeds etc. and site preparation with good earth	Hectare	6,000	23,000	Site levelling for better soil moisture regime.
	Mechanical digging of pits.	Per pit	240	2,40,000	Procurement and good earth to the site
	Application of Chloro-pyro-phos and Gypsum for termite/ laterite treatment etc.	Hectare	7,500	7,500	Improvement of pH as alkalinity of soil is more than 8.
	Flooding the pit with water	Per pit	25	25,000	To assess the kankar pan formation below top soil.
	Treatment of pits with FYM (5 cft. per pit), Bone meal (5 kg. per pit) and neem cake (5 kg. per pit)	Per pit	25	25,000	
	Cost of saplings	Number	80	80,000	
	Transportation cost of saplings from nursery to the site		10	10,000	
	Irrigation during month		25	21,00,000	

	of planting and remaining months of the seven years of creation of plantation				
	FYM/ Neem Cake, bone meal and insecticide for 7 years		15	12,60,000	
3.	Casualty replacement in 2 nd and 3 rd year for 20% of the plantation			36,000	Due to weather extremes, diurnal variation, poor establishment of saplings, pest infections, etc.
4. a)	Watch and ward duty including monitoring and evaluation	Per sapling	12	10,08,000	
5.	Total estimated cost of creation and maintenance including fencing			49,49,500	49,50,000 or say 50 lakh
6.(a)	Overheads/ Administrative Expenses @ 10% of the total cost of plantation			4,94,950	4,95,000
(b)	Contingency @ 5%			2,47,475	2,47,500
7.	Total amount to be realized from the Project Authority at the time of granting permission			56,91,925 or say 57 lakh	56,92,500
8.	Amount to be realized for removal of 1 (one) tree by ' from Project Authority	For planting and maintenance of 10 saplings for 7 years		57,000	

Abstract:

S. No.	Description	Amount (Rs.)
A.	Cost of creation and maintenance of plantation (5 saplings) to be raised by Forest Department including the cost of fencing (Non-refundable).	25,000
B.	Security deposit to ensure compensatory plantation by the applicant (Refundable on successful compensatory plantation) i.) Cost of creation and maintenance of plantation (5 saplings) to be raised by Forest Department including the cost of fencing.	25,000
	Total	50,000
11.(a)	Overheads/Administrative costs @ 10%	5,000
(b)	Contingencies @ 5%	2,500
	Total amount to be realized from the applicant at the time of granting permission to fell a tree.	57,500/- or say 57,000/-

Sanoth

39//16min	42//10min	44//9/1min	45//9min	46//14min
39//17min	43//1min	44//9/2min	45//11min	46//16min
39//18min	43//2min	44//9/3min	45//12/1min	46//17min
39//19min	43//3min	44//10min	45//12/2min	46//18/1min
39//21min	43//4min	44//11min	45//13/1min	46//18/2min
39//22min	43//5min	44//12/1min	45//13/2min	46//19min
39//23min	43//6min	44//12/2min	45//14min	46//20min
40//21min	43//7/1min	44//13min	45//15min	46//21min
40//22min	43//7/2min	44//14min	45//16min	46//22min
40//23min	43//8min	44//15min	45//17min	46//23min
40//24min	43//9min	44//16min	45//18min	46//24min
40//25min	43//10min	44//17min	45//19min	46//25min
40//16min	43//11min	44//18/1min	45//20min	47//16min
41//12min	43//12min	44//18/2min	45//21/1min	47//17min
41//13min	43//13/1min	44//19min	45//21/2min	47//23min
41//14/1min	43//13/2min	44//20min	45//22min	47//24min
41//14/2min	43//14min	45//1/1min	45//23min	47//25min
41//15min	43//18min	45//1/2min	45//24min	55//5min
41//16min	43//19min	45//2min	45//25min	56//1/1min
41//17min	43//20min	45//3min	46//4min	56//1/2min
41//18min	44//1min	45//4min	46//5min	56//2min
41//19min	44//2min	45//5min	46//6min	56//3min
41//20min	44//3min	45//6/1min	46//7min	56//4min
41//21min	44//4min	45//6/2min	46//8min	56//5min
41//22min	44//5min	45//7min	46//9min	
41//23min	44//6min	45//8/1min	46//11min	
41//24min	44//7min	45//8/2min	46//12min	
41//25min	44//8min		46//13min	

List of Khasra nos. in the proposed compensatory afforestation site at Narela having area 50.74 Ha.

Holambi Kalan

2//9Min	22//1Min	40//15Min
2//10Min	22//2Min	40//16Min
2//11Min	22//3Min	40//17Min
2//12Min	22//4Min	40//24Min
2//13Min	22//5Min	40//25Min
2//18Min	22//6Min	
2//19Min	22//7Min	
2//20Min	22//8Min	
2//21Min	22//9Min	
2//22Min	22//10Min	
1//16Min	22//11Min	
1//25Min	22//12Min	
13//1Min	22//13Min	
14//5Min	22//14Min	
14//6Min	22//18Min	
14//21Min	22//19Min	
14//22Min	22//20Min	
15//21Min	21Min	
15//22Min	39//1Min	
15//23Min	39//2Min	
15//24Min	39//3Min	
15//25Min	39//4Min	
16//25Min	39//5Min	
20//2Min	39//6Min	
20//3Min	39//7Min	
20//4Min	39//8Min	
20//5Min	39//9Min	
21//1Min	39//10Min	
21//2Min	39//11Min	
21//3Min	39//12Min	
21//4Min	39//13Min	
21//5Min	39//14Min	
21//6Min	39//19Min	
21//7Min	39//20Min	
21//14Min	39//21Min	
21//15Min	40//4Min	
21//16Min	40//5Min	
21//17Min	40//6Min	
21//24Min	40//7Min	
21//25Min	40//14Min	

List of Khasra nos. of CA land of Dhichaon Kalan Village

113//	15
	16
	21
	25
120//	1/1/1
	1/1/2
119//	5
	6
120//	10/1
	11
	12/1
	18/1
	19
	20
	21
	22
	23/1
125//	2
	3
	4/1
	7/1
	8/1
	8/2
	13
	14
	15/1
	16
	17
	24
	25
124//	20/1
	21/1
132//	5
	6
133//	1
	2/1
	9/1
	10