

GOVERNMENT OF NCT OF DELHI
DEPARTMENT OF FORESTS & WILDLIFE
A-BLOCK, 2ND FLOOR, VIKAS BHAWAN, IP ESTATE, NEW DELHI-110002

F.No.21/CAMPA/F&WL/APO/2024-25/ 4164-69

Date: 26/06/25

To,

The Chief Executive Officer
National Authority CAMPA, MoEF&CC
3rd Floor, Supreme Court Metro Station Building
New Delhi-110001

Sub: Submission of Annual Plan of Operations 2025-26 for Delhi State CAMPA-reg.

Sir,

Please find enclosed herewith the Annual Plan of Operations (APO) 2025-26 for Delhi State CAMPA, with a proposed outlay of Rs.51.12 crores. The APO has been duly recommended by the Executive Committee and Steering Committee Delhi CAMPA.

A copy of the APO 2025-26, along with the following annexures as per the prescribed format are hereby submitted for your kind consideration and approval by the National Authority:


1	Minutes of meeting of the Steering Committee Delhi CAMPA	Annexure-1
2	Signed copy of integrated APO/ APO (Each page signed by State Authority)	Annexure-2
3	Geo coordinates / KML files of proposed sites	The KML files have been hyperlinked in the soft copy of the APO enclosed with the email.
4	Declaration certificate signed by the CEO, State CAMPA.	Annexure-3.
5	Status of the Third-Party monitoring	Third party monitoring of CAMPA plantations up to 2020-21 has been conducted by Forest Research Institute, Dehradun. Report is enclosed as Annexure-4. The third party monitoring of CAMPA plantations for the period 2021-22 to 2023-24 is being conducted by FRI.

In addition to the APO 2025-26, National CAMPA is also requested to consider the proposal for grant of additional fund of Rs.3.94 crores for tree census & Rs.3.12 crores for

Greening Action Plan as per the directions of Hon'ble Supreme Court as detailed in the minutes of Steering Committee (orders of the Hon'ble Supreme Court are enclosed).

Encl.A/A

Yours faithfully,


26/06/25
(S.S.Kandpal)

PCCF & HoD/ CEO DELHI CAMPA

Copy to:

1. CCF (A), Department of Forests & Wildlife, Govt. of NCT of Delhi.
2. CF (HQ), Department of Forests & Wildlife, Govt. of NCT of Delhi.
3. CF, Department of Forests & Wildlife, Govt. of NCT of Delhi.
4. DCF (N/W/S/C), Department of Forests & Wildlife, Govt. of NCT of Delhi.
5. Sr. Accounts Officer, Department of Forests & Wildlife, Govt. of NCT of Delhi.

GOVT OF N.C.T. OF DELHI
DEPARTMENT OF FOREST & WILDLIFE
VIKAS BHAWAN, A-BLOCK, 2nd FLOOR, I.P ESTATE, NEW DELHI-110002

MINUTES OF THE MEETING STEERING COMMITTEE, DELHI STATE CAMPA
HELD UNDER THE CHAIRMANSHIP OF THE CHIEF SECRETARY, GNCTD ON
13.06.2025 AT 4:00 PM TO DISCUSS ANNUAL PLAN OF OPERATIONS 2025-26
UNDER DELHI CAMPA

F. No./21/CAMPA/F&WL/APO/2024-25/ 4154 -63

Date: 26/06/25

The meeting of the Steering Committee, Delhi CAMPA was held on 13.06.2025 under the chairmanship of the Chief Secretary, Govt. of NCT of Delhi to discuss and recommend the State Annual Plan of Operation for the year 2025-26 for utilizing funds deposited under CAMPA funds. The list of attendees is enclosed.

Accordingly, the draft integrated APO based on the format prescribed by Compensatory Afforestation Fund (CAF) Act, 2016 and CAF Rules, 2018 and guidelines, NCAMPA was placed before the committee for deliberations.

The details of funds available in the various CAMPA Heads along with details regarding the progress of works undertaken as per approved APO 2024-25 were placed before the committee. The committee was informed that an amount of Rs.34.55 Crores was approved by the National CAMPA, MoEF&CC against APO 2024-25. The funds were made available for execution of works to all the divisions as per approval. The division wise progress of works as approved under APO 2024-25 was placed before the Committee for review. Against the approved amount of Rs.34.55 crores, an amount of Rs.11.30 crores has been utilised under APO 2024-25.

The Steering committee was informed that in the account of Delhi CAMPA, as on 31.03.2025, an amount of Rs. 277.9 Crores are available. (Rs 239.14, Rs 28.73 & Rs.10.03 are the funds available under the Compensatory Afforestation, NPV & Interest components, respectively.)

After due deliberations, the following works under APO 2025-26 were recommended by the Steering Committee

1. Creation and maintenance of CA Plantations:

- A. Creation of CA plantations is proposed over an area of 83.48 ha against approvals (Stage-I/ Stage-II) granted by MoEF&CC for diversion of Forest Land for non forestry purposes under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980. Total amount proposed is Rs.7.27 crores. The proposed cost includes creation of plantation, fencing of the plantation area and its subsequent maintenance.

- B. Maintenance of CA plantations is proposed over an area of 28.68 ha (1st year maintenance) at the cost of Rs.2.36 crores, 47.34 ha (2nd year maintenance) at the cost of Rs.3.39 crores, 70.58 ha (3rd year maintenance) at the cost of Rs.2.25 crores, 23.02 ha (4th year maintenance) at the cost of Rs.3.29 crores, 49.54 ha (5th year maintenance) at the cost of Rs.4.29 crores.
- C. Some other allied activities are proposed to be undertaken as per the conditions imposed in Forest clearance amounting to Rs.2.01 crores.
- D. The total proposed expenditure from the CA component (A+B+C) is **Rs.24.86 crores.**

2. **Activities under NPV component (Rule 5 of the CAF Rules 2018):** The Committee was informed that as per provisions under Rule 5 (2) and 5 (3) of the CAF Act, 2018 activities like eco-restoration plantation, development of infrastructure for frontline staff, soil moisture conservation activities like development of rain water recharge structures, development of Tissue culture lab, third party monitoring of CAMPA plantation are proposed to be carried out from the funds made available under NPV component. The total proposed expenditure from the NPV component is **Rs.5.74 crores**

The details are as given below:

	Activities as per Rule 5(2) & 5(3) of CAF, 2018	Financial Target (Rs.in crores)
1	3rd Year Maintenance of Eco-restoration plantation at Shikarpur(10 ha) under WFD	0.17
2	1st Year maintenance of Eco-restoration Plantation on 10 ha (14000 saplings) under WFD	0.05
3	1st year Maintenance of Eco-Restoration plantation on 10 Ha. Mamoorpur Forest Area, under NFD	0.25
4	1st year Maintenance of Eco-restoration Plantation on 10 ha at Dera Mandi under South Forest Division	0.25
5	Repair and construction of boundary wall along Ridge forest areas (WFD & SFD)	3.52
6	Development of rain water recharge structures (WFD-30 & SFD-50)	0.40
7	Plantation along water bodies in Kapashera Beat & Mitraon City Forest (WFD)	0.07
8	Hiring of Veterinary Doctor @Rs.83000/- & Compounder @Rs.42000/- of Animal Rescue Centre in ABWLS (SFD)	0.20
9	Wildlife Week Training and Celebrations (SFD)	0.10
10	Establishment of Turtle pond /Habitat for rescued turtles at ABWLS (HQ)	0.10

11	Purchase of Equipment, chemicals, interior works and engagement of Technical Manpower of Tissue Culture Lab at ABWLS for 1 year (SFD)	0.50
12	Creating biological index and documentation of floral and faunal biodiversity for the state of Delhi (HQ)	0.08
13	Conducting third party monitoring of CAMPA works/ plantations(HQ)	0.05

3. **Activities under Interest component (Rule 6 of the CAF Rules 2018):** Activities such as hiring of manpower, purchase of IT & other equipment, capacity building programmes, hiring of electric vehicles etc have been proposed under Interest component. The total proposed expenditure from Interest component is **Rs.1.09 crores**.

The details are as given below:

	Activities as per Rule 6(a) & 6(b) of CAF, 2018	Financial Target (Rs.in crores)
1	Extension of 01 Account Assistant for CAMPA monitoring works for a period of 1 year @Rs. 58,000/-per month (HQ)	0.07
2	Refresher, Training Program and exposure field training for staff (HQ)	0.05
3	Purchase of Electric Motorcycles (for Forest Guard) ((HQ)	0.40
4	Procurement of GPS Devices	0.025
5	Procurement of Binoculars	0.025
6	Purchase of printers and Computers(as per requirement)	0.30
7	Hiring of Electric vehicles for Departmental use for one year (HQ)	0.12
8	Advertisement & Awareness through making documentry about works of NFD and by printing pamphlets, caps, t-shirts, jute bags for distribution	0.10

4. Some activities which were approved under the APO 2024-25 but could not be completed or are pending for release of payment have been included in the spillover works. Revalidation is being sought for **Rs.19.43 crores**.
5. The committee was informed that the Hon'ble Supreme Court vide order dated 19.12.2024 in W.P.(C) 4677/1985 in the matter of M.C. Mehta vs Union of India & Ors has directed to conduct a tree census under clause (b) of Section 7 of the DPTA 1994 for which the FRI, Dehradun has sought an amount of **Rs. 3.94 crores**. The funds for the tree census, as per the directions of Hon'ble Supreme Court, are to be provided by Government of India, NCAMPA on the requisition being made by the Tree Authority. The Committee has recommended that the proposal may be forwarded to NCAMPA for providing necessary funds.

The committee was also informed that as per directions of Hon'ble Supreme Court vide order dated 17.02.2025 and 26.03.2025 W.P.(C) 4677/1985, an action plan for enhancing the green cover of NCT of Delhi to be prepared by FRI, Dehradun. A detailed proposal regarding this has been submitted by FRI for an amount of **Rs.3.12 crores**.

The Committee was informed that on 30.06.2021 the work of preparation of Working Plan was assigned to FRI for a total cost of Rs.78 lakh. Till date a total amount of Rs.54.6 lakh has been paid to FRI. FRI has not prepared the Working Plan for the forest areas of Delhi. It is to mention that total notified area of Forests in Delhi is 7784 ha. Further, it was also mentioned that the Working Plan is a sub-set of the Green Action Plan of Delhi. As Delhi is having a large green area outside forests, not preparing the Working Plan in a reasonable time frame by FRI after accepting to prepare the same is a serious issue.

However, in view of Hon'ble Supreme Court directions and due to the unavailability of funds under the State budget, it has been proposed that NCAMPA may be requested for providing funds to prepare a plan for enhancing the green cover of Delhi in compliance to order dated 17.02.2025 and 26.03.2025 of the Hon'ble Supreme Court. The Committee has recommended that the proposal may be forwarded to NCAMPA for providing necessary funds.

6. After detailed discussions on activities proposed to be undertaken, the Steering Committee has recommended the Delhi CAMPA APO 2025-26 amounting to **Rs.51.12 crores** for consideration of the National Authority, CAMPA along with the additional amount of **Rs.3.94 crores** for tree census & **Rs.3.12 crores** for Greening Action Plan. A copy of the Delhi CAMPA APO 2025-26 is enclosed with the minutes.

The meeting ended with thanks to the Chair and members of the Committee.

This issues with the approval of the Competent Authority.


 (Dr. P. Viswakannan)
 Chief Conservator of Forests (A)


F. No.21/CAMPA/F&WL/APO/2024-25/

Date:

Distribution:

1. OSD to the Chief Secretary, 5th Level, Delhi Secretariat, New Delhi for kind information.
2. Addl. Chief Secretary (E&F), Govt. of NCT of Delhi, 6th Level, Delhi Secretariat.
3. Addl. Chief Secretary (Finance), Govt. of NCT of Delhi, 6th Level, Delhi Secretariat.
4. Addl. Chief Secretary (Planning), Govt. of NCT of Delhi, 6th Level, Delhi Secretariat.

5. DDG(C), Ministry of Environment, Forests and Climate Change (Regional Office), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow-226020.
6. PCCF/HoD, Department of Forest and Wildlife, Govt. of NCT of Delhi.
7. CF (HQ) Department of Forest and Wildlife, Govt. of NCT of Delhi.
8. CF, Department of Forest and Wildlife, Govt. of NCT of Delhi.
9. DCF (C/N/S/W), Department of Forest and Wildlife, Govt. of NCT of Delhi.
10. Sr. Accounts Officer, Department and Wildlife, A Block, Vikas Bhawan, I.P.Estate, New Delhi.


(Dr. P. Viswakannan)
Chief Conservator of Forests (A)

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GOVERNMENT OF NCT OF DELHI
DEPARTMENT OF FORESTS & WILDLIFE
A-BLOCK, 2ND FLOOR, VIKAS BHAWAN I.P. ESTATE, NEW DELHI-110002

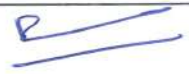








ATTENDANCE SHEET

Meeting of Steering Committee Delhi State CAMPA

Venue: Conference Hall of the Chief Secretary, GNCTD

Date: 13.06.2025

Time: 04:00 PM

S. No.	Name	Designation & Department	Email ID	Signature
	Dr. R.B. Lal	Scientist 'F' MOEFCC, RD Lucknow	rb.lal@nic.in	
	AMIT GEMAWAT	DCF (WEST) FOREST	dcfwest.gnctd@nic.in	
	Ansil Kumar	DCF (PM), GNCTD	dcfpm.gnctd@nic.in	
	Jabeston A	CF (HQ)		
	Cheshta Singh	DEF (N)		
	Anamika	DCF (CC)		
	Vijal Pandey	DCF (S)		
	P. Viswakannan	CCF		
	Saurabh Sharma	CF		

Annexure II**Format for Annual Plan of Operation Summary Submission 2025-26****Annual Plan of Operation (APO) for the financial year 2025-26 of Delhi State CAMPA**

1. Date of Receipt:
2. Date of approval of EC of State/UT: 09.04.2025
3. Date of approval of the Steering Committee: 13.06.2025
4. Total Amount/Outlay: Rs.51.12 Crores
5. Funds status with the State/UT along with outlay proposed:

S.N o	CAMPA Activity	Fund Available with the State/UT as on 01.04.2025 (Rs. in crores)	Outlay proposed during current FY (Rs. in crores)
1.	Mandatory Activity		
	CA/PCA/Additional CA	239.14	24.86
	Catchment Area Treatment Plan	0	0
	Integrated Wildlife Management Plan	0	0
	Others	0	0
2.	Net Present Value	28.73	5.74
3.	Interest	10.03	1.09
4.	Other Components	0	0
	Total		



6. Funds released by State Government during the FY

(Rs. in Crores)

Year	Total Outlay of the APO	APO approved by National Authority during current financial year	Fund Released by State Government	Fund Utilised by State Authority
2018-19	-	-	-	-
2019-20	-	-	-	-
2020-21	20.75	19.55	-	-
2021-22	17.18	16.15	9.78	4.15
2022-23	46.64	33.93	16.58	11.94
2023-24	60.30	47.15	47.15	8.93
2024-25	62.50	34.55	34.55	11.30

Capo

7. Financial outlays/ Budgetary Support under various Schemes (amount spent). (in lakhs)

Year	CSS		CAMPA		State Plan/ Scheme Fund under a relevant head		Any other scheme
	Name of the scheme	Expenditure /Provisions	Name of the scheme/Head of CAMPA Fund	Expenditure /Provisions	Name of the scheme	Expenditure/ Provisions	
2020-21	a. Intensification of forest Protection Scheme	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - SUPPLIES AND MATERIALS	195.12	-
	b. Integrated Wildlife Management Scheme	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MINOR WORKS	69.98	-
	c. Project Tiger	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - OTHER CHARGES	99.35	-
	d. Project Elephant	-	-	-	MONITORING OF GREENING ACTIVITIES IN DELHI - SUPPLIES AND MATERIALS	-	-



e.	-	-	-	MONITORING OF GREENING ACTIVITIES IN DELHI - OTHER CHARGES	3.85	-
f.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MAJOR WORKS	1852.10	-
g.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - SUPPLIES AND MATERIALS	184.33	-
h.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MINOR WORKS	104.34	-
i.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER CHARGES	334.72	-
j.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - SUPPLIES AND MATERIALS	83.79	-
k.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MINOR WORKS	28.85	-



	l.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - OTHER CHARGES	179.72	-
	m.	-	-	-	DEVELOPMENT OF WILDLIFE HABITATS (CSS) - OTHER CHARGES	10.00	-
	n.	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY/WILD LIFE SECTION - OTHER CAPITAL EXPENDITURE	1639.10	-
	o.	-	-	-	DEVELOPMENT OF NATIONAL PARKS & SANCTUARIES - ASOLA BHATTI WILDLIFE SANCTUARY (CSS) - OTHER CHARGES	13.81	-
	p.	-	-	-	BIRTH CONTROL AND IMMUNIZATION OF STRAY DOGS (CSS) - OTHER CHARGES	10.21	-
	q.	-	-	-	PROVISION OF SHELTER HOUSE FOR LOOKING AFTER THE ANIMALS (CSS) - OTHER CHARGES	-	-
	r.	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - SUPPLIES AND MATERIALS	5.95	-



2021-22	a. Intensification of forest Protection Scheme	-	OTHERS - FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - SUPPLIES AND MATERIALS	199.61	-
	b. Integrated Wildlife Management Scheme	-	NET PRESENT VALUE OF FOREST LAND FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	127.48	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MINOR WORKS	89.47	-
	c. Project Tiger	-	COMPENSATORY AFFORESTATION FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	1067.22	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - OTHER CHARGES	99.54	-
	d. Project Elephant	-	INTEGRATED WILDLIFE MANAGEMENT PLAN FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - SUPPLIES AND MATERIALS	-	-
	e.	-	CATCHMENT AREA TREATMENT PLANT FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - OTHER CHARGES	4.61	-



f.	-	INTEREST FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER REVENUE EXPENDITURE	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MAJOR WORKS	4131.43	-
g.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - SUPPLIES AND MATERIALS	290.29	-
h.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MINOR WORKS	248.36	-
i.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER CHARGES	489.41	-
j.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - SUPPLIES AND MATERIALS	109.23	-
k.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MINOR WORKS	52.58	-
l.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - OTHER CHARGES	244.36	-



	m.		-	-	DEVELOPMENT OF WILDLIFE HABITATS (CSS) - OTHER CHARGES	500.00	-
	n.	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY/WILD LIFE SECTION - OTHER CAPITAL EXPENDITURE	3542.80	-
	o.	-	-	-	DEVELOPMENT OF NATIONAL PARKS & SANCTUARIES - ASOLA BHATTI WILDLIFE SANCTUARY (CSS) - OTHER CHARGES	-	-
	p.	-	-	-	BIRTH CONTROL AND IMMUNIZATION OF STRAY DOGS (CSS) - OTHER CHARGES	-	-
	q.	-	-	-	PROVISION OF SHELTER HOUSE FOR LOOKING AFTER THE ANIMALS (CSS) - OTHER CHARGES	-	-
2022-23	a. Intensification of forest Protection Scheme	-	INTEREST FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER REVENUE EXPENDITURE	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - SUPPLIES AND MATERIALS	3.00	-



b. Integrated Wildlife Management Scheme	-	OTHERS - FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MINOR WORKS	0.90	-
c. Project Tiger	-	NET PRESENT VALUE OF FOREST LAND FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - OTHER CHARGES	1.00	-
d. Project Elephant	-	COMPENSATORY AFFORESTATION FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - SUPPLIES AND MATERIALS	-	-
e.	-	INTEGRATED WILDLIFE MANAGEMENT PLAN FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - OTHER CHARGES	0.02	-
f.	-	CATCHMENT AREA TREATMENT PLANT FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MAJOR WORKS	37.85	-



g.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - SUPPLIES AND MATERIALS	2.48	-
h.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MINOR WORKS	2.46	-
i.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER CHARGES	5.00	-
j.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - SUPPLIES AND MATERIALS	1.14	-
k.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MINOR WORKS	0.57	-



	l.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - OTHER CHARGES	2.87	-
	m.	-	-	-	DEVELOPMENT OF WILDLIFE HABITATS (CSS) - OTHER CHARGES	0.33	-
	n.	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY/WILD LIFE SECTION - OTHER CAPITAL EXPENDITURE	49.98	-
2023-24	a. Intensification of forest Protection Scheme	-	INTEREST FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER REVENUE EXPENDITURE	43.38	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MATERIALS AND SUPPLIES	199.38	-
	b. Integrated Wildlife Management Scheme	-	OTHERS - FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MINOR CIVIL AND ELECTRIC WORKS	89.92	-



c. Project Tiger	-	NET PRESENT VALUE OF FOREST LAND FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	71.86	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - OTHER REVENUE EXPENDITURE	109.36	-
d. Project Elephant	-	COMPENSATORY AFFORESTATION FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	778.18	MONITORING OF GREENING ACTIVITIES IN DELHI - MATERIALS AND SUPPLIES	-	-
e.	-	INTEGRATED WILDLIFE MANAGEMENT PLAN FINANCED FROM STATE COMPENSATORY AFFRESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - OTHER REVENUE EXPENDITURE	-	-
f.	-	CATCHEMENT AREA TREATMENT PLANT FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER FIXED ASSETS	5347.18	-



g.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MATERIALS AND SUPPLIES	249.63	-
h.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MINOR CIVIL AND ELECTRIC WORKS	149.20	-
i.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER REVENUE EXPENDITURE	399.49	-
j.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MATERIALS AND SUPPLIES	99.22	-



	k.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MINOR CIVIL AND ELECTRIC WORKS	49.36	-
	l.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - OTHER REVENUE EXPENDITURE	249.92	-
	m.	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY/WILD LIFE SECTION - OTHER CAPITAL EXPENDITURE	2499.89	-
2024- 25	a. Intensification of forest Protection Scheme	-	INTEREST FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER REVENUE EXPENDITURE	0.30	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MATERIALS AND SUPPLIES	-	-
	b. Integrated Wildlife Management Scheme	-	OTHERS - FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES		DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MINOR CIVIL AND ELECTRIC WORKS	-	-



	c. Project Tiger	-	NET PRESENT VALUE OF FOREST LAND FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - OTHER REVENUE EXPENDITURE	-	-
	d. Project Elephant	-	COMPENSATORY AFFORESTATION FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - MATERIALS AND SUPPLIES	-	-
	e.	-	INTEGRATED WILDLIFE MANAGEMENT PLAN FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - OTHER REVENUE EXPENDITURE	-	-
	f.	-	CATCHMENT AREA TREATMENT PLANT FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER FIXED ASSETS	775.03	-



g.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MATERIALS AND SUPPLIES	-	-
h.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MINOR CIVIL AND ELECTRIC WORKS	-	-
i.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER REVENUE EXPENDITURE	-	-
j.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MATERIALS AND SUPPLIES	-	-

Scapal

	k.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MINOR CIVIL AND ELECTRIC WORKS	-	-
	l.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - OTHER REVENUE EXPENDITURE	-	-
	m.	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY/WILD LIFE SECTION - OTHER CAPITAL EXPENDITURE	37.66	-
2025- 26	a. Intensification of forest Protection Scheme	-	INTEREST FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER REVENUE EXPENDITURE	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MATERIALS AND SUPPLIES	15.85	-
	b. Integrated Wildlife Management Scheme	-	OTHERS - FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - MINOR CIVIL AND ELECTRIC WORKS	-	-



c. Project Tiger	-	NET PRESENT VALUE OF FOREST LAND FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF WILD LIFE SANCTUARY / WILD LIFE SECTION - OTHER REVENUE EXPENDITURE	-	-
d. Project Elephant	-	COMPENSATORY AFFORESTATION FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - MATERIALS AND SUPPLIES	-	-
e.	-	INTEGRATED WILDLIFE MANAGEMENT PLAN FINANCED FROM STATE COMPENSATORY AFFRESTATION FUND (SCAF) - OTHER CHARGES	-	MONITORING OF GREENING ACTIVITIES IN DELHI - OTHER REVENUE EXPENDITURE	-	-
f.	-	CATCHEMENT AREA TREATMENT PLANT FINANCED FROM STATE COMPENSATORY AFFORESTATION FUND (SCAF) - OTHER CHARGES	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER FIXED ASSETS	2987.88	-



g.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MATERIALS AND SUPPLIES	-	-
h.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - MINOR CIVIL AND ELECTRIC WORKS	43.94	-
i.	-	-	-	DEVELOPMENT OF FOREST INCLUDING CONSOLIDATIONS - OTHER REVENUE EXPENDITURE	55.26	-
j.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MATERIALS AND SUPPLIES	67.31	-



	k.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - MINOR CIVIL AND ELECTRIC WORKS	-	-
	l.	-	-	-	CREATION AND MAINTENANCE OF URBAN FOREST - OTHER REVENUE EXPENDITURE	-	-
	m.	-	-	-	DEVELOPMENT OF WILD LIFE SANCTUARY/WILD LIFE SECTION - OTHER CAPITAL EXPENDITURE	1252.35	-

*Provision made in 2024-25. Details to be filled up in Annexure IV



8. Status of Compensatory Afforestation*

(Area In Ha.)

Afforestation required as per site specific scheme submitted along with approved proposal for diversion of forest land under FC Act, 1980 till 31.3.2022			Afforestation carried out in the State as per site specific scheme till 2022-23			Afforestation to be carried out 2024-25	Afforestation carried out percentage	Total Balance upto 2024-25
(CA)	(PCA)	(CA+PCA)	(CA)	(PCA)	(CA+PCA)	(CA+PCA)	(CA+PCA)	(CA+PCA)
387.7	0.97	388.67	326.79	0.97	327.76	83.48	84.32	0

*Figures have been reconciled as on 26.06.2025.

9. Balance Afforestation status

(Area in Ha.)

Balance Afforestation required as per FC Act (in ha.)	Balance Afforestation to be completed in Financial Year (in Ha)		
	2025-26	2026-27	2027-28
83.48	83.48	-	-



10. Details of APO are as under

(Rs. In Crore and Area in Ha.)

S.N o.	CAF Act/Rules	Activity	Proposed outlay		Green Employment to be generated (in Mandays)	Page No. of the APO	Remarks
			Physical Target	Financial Target (in crore)			
1.		Site- specific activities as per section 6(a) of the CAF Act, 2016					
	Mandatory Activity	Compensatory Afforestation					
		i) Advance soil work	NIL	NIL			
		ii) Nursery raising	NIL	NIL			
		iii) New Plantation	83.48	7.27			
		iv) Maintenance of existing/older plantation	219.16	15.58			
		v) Spill over work/committed liabilities:					
		Creation of new plantations					
		i) Creation & maintenance of CA on 0.2879 ha DFL w.r.t construction of six lane RCC bridge on downstream of existing bridge on Chhawla Najafgarh Road, Amberheri	0.289	0.043			



		Village (WFD) Site: Ujjawa					
		ii) Creation & maintenance of CA on 0.9627 ha DFL w.r.t Boring and installation of 150 nos tubewells at Nilothe and Najafgarh area etc for augmentation of water supply (WFD) Site: Ghittorni	0.9627	0.15			
		iii) Creation & maintenance of CA on 0.10 ha DFL w.r.t G-20 preparedness work construction of approach road from Mathura Road to Gate No. 8 & 9 ITPO complex, Pragati Maidan (WFD) Site:Ujjawa	0.1	0.015			
		iv) Creation & maintenance of CA on 3.05 ha NFL w.r.t construction of East Vinod Nagar Depot by Transport Department, GNCTD (WFD) Site:Rawta	3.05	0.73			
		v) Creation & maintenance of CA on 1.282 ha NFL w.r.t construction of Delhi Gurugram SNB RRTS corridor by NCRTC (WFD) Site: Dhulsiras	1.282	0.72			
		vi) Creation & maintenance carried out on 19.9 ha land against Diversion of 19.9 ha land for construction of Vinod Nagar Depot (CFD)	19.9	2.15			
		vii) Creation of CA on 3.0955 ha NFL wrt Construction of 6 Lane access controlled	3.0955	0.07			



		<p>Highway from DND Maharani Bagh to Junction with Jaitpur-Pushta Road Section of NH-148 NA (Design Ch. 2+900 to 6+700) in the NCR of Delhi (PKG – I) under Bharat in South East District in Delhi State. (SFD)</p> <p>Location: NTPC, Eco Park, Badarpur</p>					
		First Year maintenance of plantations created in 2023-24					
		<p>i) First year maintenance of CA on 20.5 ha NFL wrt Construction of Underground Station at Krishna Park and Elevated Corridor between Keshopur to Mukarba Chowk for Jankapuri to R.K. Ashram Corridor of MRTS Phase -IV by DMRC Aero City to MRTS Corridors Dhoolsiras (DMRC) (WFD)</p> <p>Location: Dhoolsiras, Dwarka</p>	20.57	0.09			
		<p>ii) First year maintenance of CA on 2.396 ha NFL wrt Raising of Guide Bund Over River Yamuna by Northern Railways Dhoolsiras (Railways) (WFD)</p> <p>Location: Sector 29, Dwarka</p>	2.396	0.03			
		<p>iii) First year maintenance of dwarf plantation (1,80,000 nos.) carried out under the Transmission line wrt Diversion</p>	10	2.51			



		of forest land for PGCIL projects (SFD)					
		iv) First year maintenance of CA on 1.48 ha NFL land wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana –Mandola T/L at Maharani Bagh of Power Grid Corporation Limited (CFD) Location: along Yudhister Setu on Western Bank of River Yamuna	1.48	0.08			
		v) First year maintenance of dwarf plantation carried out under the Transmission line wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana –Mandola T/L at Maharani Bagh of PGCIL Under the Transmission Line (CFD)	0.9	0.03			
		Second Year maintenance of plantations created in 2022-23					
		i) Second Year Maintenance of CA wrt Construction of Common Central Secretariat 1,2 &3 at Existing IGSCA Building by CPWD Dhoolsiras (Central Vista) (WFD)	8.11	0.05			
		ii) Second year maintenance of CA wrt Construction of RRTS going towards Meerut Uttar Pradesh Dhoolsiras (WFD)	4.61	0.08			
		iii) Second year maintenance of CA wrt Construction of 765 kV D/C Khetri-	4.89	0.06			



		Jhatikara Transmission Line under Transmission System Associated with LTA Applications for Rajasthan Solar Energy Zone, Part-C Dhoolsiras Dwarka (WFD)					
		iv) Second year maintenance of CA wrt Construction of Urban extension Road-II. Dichaon Kalan (WFD)	5.01	0.05			
		v) Second year maintenance of CA plantation created wrt Diversion of 54.87 Ha. Deemed Forest Land for Development of Urban Extension Road-II NH-344M 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 (NFD) Site: Holambi & Sannothe	47.96	0.27			
		Third year maintenance of CA plantation created in 2021-22					
		i) Third year maintenance of CA plantation created wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana –Mandola T/L at Maharani Bagh of Power Grid (CFD)	12.04	1.58			
		ii) Third year maintenance of CA plantation created wrt Diversion of 10.9736 Ha land for construction of LILO of 400 KV Bamnauli-Jhatikara T/L at Dwarka of	10.98	1.01			



		PGCIL (CFD)					
		Fourth Year Maintenance of CA plantation created in 2020-21					
		i) Fourth year Maintenance of CA plantation wrt Construction of LILO of 400 KV Bamnauli- Samaypur Transmission Line & Construction of LILO of 220 KV Mehrauli-BTPS/Okhla Transmission Line of PGCIL (CFD)	35.73	1.35			
		ii) Fourth year Maintenance of CA plantation wrt Construction of CPWD Flyover (CFD)	1.81	0.21			
		iii) Fourth year Maintenance of CA plantation & fencing of CA land over 10 ha NFL wrt Construction of Dwarka Expressway of Delhi Package-1 Shiv Murti to Delhi (CFD)	10	0.73			
		iv) Fourth year maintenance of CA over 2 ha wrt Development of Urban Extension Road -II NH-344M from Design Km 0+00 at NH-1 intersection (Km 23+800, near Bakoli Village) to design Km 83+111 near Sector -24, Dwarka in the State of NCT, under North & West Forest Division (CFD)	2	0.07			
		Other mandatory activities approved as part of CA scheme (CFD)					
		a. Purchase of tractor/trolley/ in built water tanker		0.47			



		b. Procurement of binoculars		0.0003			
		c. Construction of watch tower by using eco-friendly materials such as seasoned bamboo instead of iron angles/ steel at Shastri Park Bela Farm (19.9 ha)		0.05			
		d. Construction of 02 nos. of Watch Towers at CA site Holambi & Sannoth (NFD)		0.44			
		e. Construction of 7 Km long Boundary wall alongwith concertina fencing at CA site Holambi & Sannoth (NFD)		1.76			
		Other (Site Specific activities in accordance with FC approval)- Other mandatory activities approved as part of CA Scheme		2.01			
		Catchment Area Treatment Plan	NIL	NIL			
		i) Watershed Management	NIL	NIL			
		ii) Plantation to check erosion	NIL	NIL			
		iii) Any other relevant activities	NIL	NIL			
		iv) Spill over work/committed liabilities					
		Integrated Wildlife Management Plan	NIL	NIL			
		i) Habitat management for flora and fauna (Food/cover/water management)	NIL	NIL			
		ii) Weed removal	NIL	NIL			



		iii) Human wildlife conflict management	NIL	NIL			
		iv) Spill over work/ committed liabilities	NIL	NIL			
		Other (Site Specific activities in accordance with FC approval)	NIL	NIL			
		Total site specific activities under CA					
		* Note- Details as per FC/WLA proposals as Annexure					
2.		Activity as per Rule 5(2) of CAF Rules, 2018					
	5(2)a	Assisted Natural Regeneration					Working plan provisions
		i) Advance soil work	NIL	NIL			
		ii) New Plantation	NIL	NIL			
		iii) Maintenance	40 ha	0.72			
		iv) Nursery raising	NIL	NIL			
		v) Any other relevant activities:					
		vi) Spill over work/ committed liabilities: a. New Plantation b. Maintenance	40 ha	1.06			
	5(2)b	Artificial Regeneration	NIL	NIL			
		i) Advance soil work	NIL	NIL			
		ii) New Plantation	NIL	NIL			



		iii) Maintenance	NIL	NIL			
		iv) Nursery raising	NIL	NIL			
		v) Any other relevant activities	NIL	NIL			
		vi) Spill over work/ committed liabilities	NIL	NIL			
	5(2)c	Silvicultural operations	NIL	NIL			
		i) Tending operations (Weeding, cleaning, thinning, pruning & climber cutting)	NIL	NIL			
		ii) Any other relevant activities	NIL	NIL			
		iii) Spill over work/committed liabilities	NIL	NIL			
	5(2)d	Protection of Plantations and forests	NIL	NIL			
		i) Demarcation of forest boundary a. Construction of Boundary walls for protection of Central (WFD & SFD)		3.52			
		ii) Patrolling (hiring of vehicles)	NIL	NIL			
		iii) Purchase of equipments relevant for patrolling	NIL	NIL			
		iv) Any other relevant activities	NIL	NIL			
		v) Spill over work/committed liabilities	NIL	NIL			
	5(2)e	Pest and disease control in forests	NIL	NIL			
		Site specific measures for controlling pest and disease as per report of Technical Agency	NIL	NIL			
	5(2)f	Forest fire prevention and control operations	NIL	NIL			



		i) Fire line (creation and maintenance)	NIL	NIL			
		ii) Fire watchers	NIL	NIL			
		iii) Purchase of fire equipment	NIL	NIL			
		iv) Any other relevant activities	NIL	NIL			
		v) Spill over work/committed liabilities	NIL	NIL			
	5(2)g	Soil and moisture conservation works					
		i) Water bodies (name & size) a. Ponds b. Trenches c. Check dams- d. Spur e. Retaining wall/ Breast wall	NIL	NIL			
		ii) Any other relevant activities: a. Development of Recharge Structures /Recharge structure (SFD-50 & WFD-30) b. Plantation along water bodies in Kapashera Beat & Mitraon City Forest (WFD)	80 nos. 07 nos.	0.40 0.07			
		iii) Spill over work/committed liabilities: a. Development of Recharge Structures /Recharge structure		0.025			
	5(2)h	Voluntary relocation of villages from protected areas	NIL	NIL			
		i) Name of village ii) Population iii) No. of eligible families willing	NIL	NIL			



		iv) Availability of land for relocation					
		i) Spill over work/committed liabilities	NIL	NIL			
	5(2)i	Improvement of wildlife habitat					
		i) Habitat management for flora and fauna pertaining to a. Food b. Cover c. Water management d. Weed removal	NIL	NIL			
		ii) Human wildlife conflict management					
		iii) Protection activities a. Patrolling b. Prevention of Illicit felling c. Eco- development work in surrounding village to reduce conflict	NIL	NIL			
		iv) Any other relevant activities	NIL	NIL			
		v) Spill over work/committed liabilities	NIL	NIL			
	5(2)j	Planting and rejuvenation of forest cover on non-forest land falling in wildlife corridors	NIL	NIL			
	5(2)k	Establishment and maintenance of animal rescue centre and veterinary treatment facilities for wild animals a. Hiring of Veterinary Doctor & Compounder of Animal Rescue Centre in ABWLS (SFD)	03 nos.	0.20			



		b. Wildlife Week Training and Celebrations (SFD)	7 days	0.10			
		c. Establishment of Turtle pond /Habitat for rescued turtles at ABWLS (HQ)	02 nos.	0.10			
		i) Spill over work/committed liabilities		1.61			
	5(2)i	Supply of wood saving, cooking appliances and other forest produce saving devices	NIL	NIL			
	5(2)m	Management of biological diversity and biological resource	NIL	NIL			
		i) Creation of seed stock/Orchards	NIL	NIL			
		ii) Research Plots	NIL	NIL			
		iii) Any other relevant activities-	NIL	NIL			
		iv) Spill over work/committed liabilities	NIL	NIL			
3.		Activities as per Rule 5(3) of the CAF Rule, 2018					
	5(3)a	Establishment, Maintenance of modern nurseries					
		i) Detailed estimate of nursery	NIL	NIL			
		ii) Any other relevant activities					
		a. Purchase of Equipments, chemicals, interior works and engagement of Technical Manpower of Tissue Culture Lab at ABWLS for 1 year (SFD)	1	0.50			



		iii) Spill over work/committed liabilities- a. Development of Tissue Culture lab at Asola Bhatti Wildlife Sanctuary b. Construction of Polyhouse at KNR Nursery for modernization of nursery (CFD)	01 nos.	0.91			
			01 nos.	0.05			
	5(3)b	Promoting conservation, sustainable use and documentation of biological diversity	NIL	NIL			
		i) Documentation -Creating biological index and documentation of floral and faunal biodiversity for the state of Delhi (HQ)	04 nos.	0.08			
		ii) Conference work	NIL	NIL			
		iii) Spill over work/committed liabilities	NIL	NIL			
	5(3)c	Purchase and maintenance of equipments of devices for communication, information and technology (Details of equipment & devices)					
		i) Wireless	NIL	NIL			
		ii) Phones	NIL	NIL			
		iii) Others- a. Motorcycles (Forest Guard)	50 nos.	0.70			
		iv) Spill over work/committed liabilities- a. Motorcycles (Forest Guard)		0.03			
	5(3)d	Construction, upgradation and maintenance of inspection paths, forest roads in forest areas, watch towers, check posts and timber posts					



		i) Details of roads	NIL	NIL			
		ii) Watch towers	NIL	NIL			
		iii) Check post	NIL	NIL			
		iv) Timber depot	NIL	NIL			
		v) Any other relevant activities	NIL	NIL			
		vi) Spill over work/committed liabilities: a. Construction of Watch Tower at Shastri Park plantation area near Metro Station (CFD)	01 nos.	0.08			
	5(3)e	Construction of residential and official buildings for frontline staff					
		i) Spill over work/committed liabilities	NIL	NIL			
	5(3)f	Casual engagement of local people or labours to assist regular staff of State Forest Department (Animal Handlers)	NIL	NIL			
	5(3)g	Survey and mapping for APO making/preparation (hiring of staff for survey & mapping)	NIL	NIL			
	5(3)h	Independent concurrent monitoring and Third-party monitoring and evaluation					
		i) Independent concurrent monitoring	NIL	NIL			
		ii) Third party monitoring and evaluation	1	0.05			
		iii) Spill over work/committed liabilities- a. Third party monitoring and evaluation	1	0.10			
	5(3)i	Publicity cum awareness programme					



		i) Publicity for common people	NIL	NIL			
		ii) Training for staff	NIL	NIL			
	5(3)j	Production and distribution of quality planting material (A detailed plan) for Govt. land other than forest area	NIL	NIL			
		i) Spill over work/committed liabilities	NIL	NIL			
	5(3)k	Forest Certification and development of certification standards by agency	NIL	NIL			
4.		Activities as per Rule 6(a) of CAF Rules, 2018					
	6(a)i	To offset incremental cost of CA/PCA at increased wage rate	NIL	NIL			
	6(a)ii	To offset incremental cost of CAT at increased wage rate	NIL	NIL			
	6(a)iii	To offset incremental cost of IWMP at increased wage rate	NIL	NIL			
	6(a)iv	For disbursement of salary & allowances state CAMPA Authority & Staff	01	0.07			
	6(a)v	For disbursement of sitting fees and allowances to nominated list of members	NIL	NIL			
	6(a)vi	Activities referred to in sub rule- (2) and (3) of Rule 5					
		a. Refresher, Training Program and exposure field training for staff (HQ)	02 nos.	0.05			
			20 nos.	0.40			
		b. Purchase of Electric Motorcycles (for Forest Guard) (HQ)	05 nos.	0.025			
		c. Procurement of GPS Devices	10 nos.	0.025			
		d. Procurement of Binoculars					
		Spillover activities:					
		a. For disbursement of salary & allowances state CAMPA Authority & Staff	03	0.19			
		b. Exposure visit of frontline Executive Staff/ Rescue Team	05 nos.	0.24			
		c. Camera traps	40 nos.	0.20			



		d. Construction of watch tower using eco-friendly materials such as seasoned bamboo instead of iron angles/ steel CA site at Yamuna Bank Metro station	01 nos	0.05			
5.		Activities as per Rule 6(b) of CAF Rules, 2018					
	6(b)i	Management of office establishment State CAMPA CEO with details	NIL	NIL			
	6(b)ii	Office equipment including computers and peripherals and its maintenance Purchase of computers and printers (as per requirements)	-	0.30			
	6(b)iii	Hiring of staff cars for the use only for CEO office- Hiring of electric vehicles for Departmental use for one year	02 nos.	0.12			
	6(b)iv	Hiring of buildings on lease for office establishment and residence only for CEO	NIL	NIL			
	6(b)v	Other contingencies for management of State Authority	NIL	NIL			
	6(b)vi	Any other activity for management of forests and wildlife with the approval of Steering Committee and included in the APO- a) Advertisement & Awareness through making documentary about works of NFD and by printing pamphlets, caps, t-shirts, jute bags for distribution	01 nos.	0.12			
		Spill over activities: a. Hiring of electric vehicles for Departmental use for one year	02 nos	0.07			



Annexure-III											
Table 1: Mandatory Activities-Compensatory Afforestation (CA)/ Penal Compensatory Afforestation (PCA)											
S.No	FC Proposal Details	CA Area as per FC proposal (Details as per the original FC proposal for 10 years) (GT)		CA Executed (A) (Year wise details of activity & expenditure to be provided)		CA Proposed for current Financial Year (B)		Remaining CA		Interest Amount to offset incremental cost of CA/PCA (in lakhs)	Remarks
		Area (in ha)	Location	Financial	Physical	Financial	Physical	Financial	Financial		
		(in Ha)	(KML File)	(in lakhs)	(in Ha)	(in lakhs)	(in Ha)	(in lakhs)	(in Ha)	(in lakhs)	
1	2	3	4	5	6	7	8	9	10	11	12
Creation of Compensatory Afforestation											
1	Creation of CA plantation of 450 saplings on DFL in ABWLS as CA site for FCA proposal for Installation of 200 Nos Tube Wells in Flood plains of Palla and other suitable locations for augmentation of water supply. (FP/DL/WATER/413205/2023) (SFD) Site: ABWLS	0.45	https://drive.google.com/file/d/1yWLCJHwHd0Hnw-nBAGr51aV3dDKExwVjw?usp=drive_esdk	36.64	0	0	0.45	5.5	0	31.14	
2	Creation of CA plantation of 1750 saplings for 1 year as compensatory afforestation on DFL against the diversion of forest land for construction of Aerocity to Tughlakabad corridor (SFD) Site: ABWLS	3.51	https://drive.google.com/file/d/1cFjlv-04mJL86Y_58BhQoZjHPLIdiPcview2u?usp=drive_in_k	84.58	0	0	3.51	21.72	0	62.86	
3	Creation of CA plantation of 350 saplings against the Construction of 6 Lane access controlled Highway from DND Maharani Bagh to Junction with Jaipur-Pushta Road Section of NH-148 NA in the NCR of Delhi (PKG - I) under Bharatmala Pariyojana, Badarpur (SFD)	0.35	https://drive.google.com/file/d/1i-5WbW7b-1Czqf0WDXxTyLwJfAE3zwUQUfview?usp=drive_esdk	39	0	0	0.35	4.5	0	34.5	
4	Creation of CA plantation of 569 saplings on DFL in ABWLS against Boring and installation of tube wells at Garhi Mandu forest for augmentation of water supply (FP/DL/WATER/424015/2023) (SFD) Site: ABWLS	0.7	https://drive.google.com/file/d/10X3UCPOd3d3nH02GNlw-BQyTh129owHr/view?usp=drive_esdk	46.33	0	0	0.7	7	0	39.33	
5	Creation of CA plantation of 374 saplings on DFL in ABWLS against proposal for Diversion of 0.1682 Ha. Forest Land between Nanaksar Gurudwara and Garhi Mandu Forest range for erection of 2 nos. Monopoles for shifting of South of Wazirabad to Gopalpur 220 kV D/C line of DTL (FP/DL/TRANS/415348/2023) (SFD) Site: ABWLS	1	https://drive.google.com/file/d/1cHd9XcX-OIGRwUikYsmby_gGL5iE9wT/view?usp=drive_esdk	30.45	0	0	1	5	0	25.45	
6	Creation of CA plantation of 1902 saplings on DFL in Jaunapur village against proposal for construction of 765kV Khetri-Narela transmission line (FP/DL/TRANS/441848/2023) (SFD) Site: Jaunapur	3.7022	https://drive.google.com/file/d/1K2kPQ5kq11ZABC5mDpe6sISEUBuBjldvsew?usp=drive_esdk	154.87	0	0	3.7022	24	0	130.87	
7	Creation of CA plantation of 249 dwarf plantation on DFL in Jaunapur in lieu of FCA proposal for construction of 765kV Khetri-Narela transmission line (FP/DL/TRANS/441848/2023) (SFD) Site: Jaunapur	0.0994	https://drive.google.com/file/d/1INResDWkDCpvmErk_6OM-4Sctb8YV_jviaw?usp=drive_esdk	20.27	0	0	0.0994	3.5	0	16.77	
8	Creation of Dwarf Plantation on 0.73 ha of Transmission line under for construction of 765 KV DCF Khetri-Jhatikara Transmission line (WFD) Site: Jhatikara	0.73	Jatikara	66.12	0	0	0.73	6.61	0	59.51	
9	Creation and maintenance of 120000 saplings (60000 trees and 60000 shrubs + climbers) on 73 ha DFL wrt diversion proposal of 35.16 ha of reserved forest land for construction of 6 lane access controlled highway from dnd-faridabad-ballabgarh bypass junction with delhi-vadodara expressway kmp-interchange (nh-148 na) under bharatmala pariyojna by NHAI	35.16	https://drive.google.com/file/d/1JskPqXn7JRE7I3KlqXWqpx8d2uNsYQ_Ajwaw?usp=drive_esdk	3539.28	0	0	70.32	636.09	0	2903.19	
10	Creation & maintenance of 2500 tree saplings in addition to 12690 tree saplings at Bela Farm near Shastri Park	19.9	Bela Farm near Shastri Park	1998.37	12.69	161.7	2.5	10	4.71	1826.67	It is submitted that an e-tender was invited for creation of 15190 tree saplings. Further, as per the observation regarding suitability of tree species in Yamuna Flood Plains 2500 tree saplings were reduced from work order. Therefore, the same is being taken up after procuring 2500 tree saplings as proposed by Professor Sh. C.R Babu and will be maintained along with 12690 tree saplings after receiving approval in APO 2025-26
11	Creation of CA on 0.124 ha NFL wrt Construction of Guru Ravidas Temple (CFD) Site: Village Usmanpur	0.124	https://drive.google.com/file/d/1gszhoDdNPn8XVX5t-JQ6QB28Gajc8SolAiaw?usp=share_link	17.7	0	0	0.124	3.32	0	14.38	
Total Amount proposed for creation of CA plantations					12.69		83.4856	727.24			
Maintenance of CA plantations											
First Year maintenance of plantations created in 2024-25											

Table 1: Mandatory Activities-Compensatory Afforestation (CA)/ Penal Compensatory Afforestation (PCA)

S.N o	FC Proposal Details	CA Area as per FC proposal (Details as per the original FC proposal for 10 years) (GT)		CA Executed (A) (Year wise details of activity & expenditure to be provided)		CA Proposed for current Financial Year (B)		Remaining CA		Interest Amount to offset incremental cost of CA/PCA (In lakhs)	Remarks
		Area (in ha)	Location	Financial	Physical	Financial	Physical	Financial	Physical		
1	First Year Maintenance of CA plantation of 3,000 saplings against the Construction of 6 Lane access controlled Highway from DND Maharani Bagh to Junction with Jaitpur-Pushta Road Section of NH-148 NA (Design Ch. 2+900 to 6+700) in the NCR of Delhi (PKG - I) under Bharat in South East District in Delhi State (SFD) Site : NTPC Ecopark, Aali Year of Creation -2024-25	3.0955	https://drive.google.com/file/d/1-3UEOeyam68nbbKOTFkMON3oAeeNpYvIew7uspe=drive-link	255.64	3.0955	14.65	3.0955	13.9	0	227.09	
2	First Year Maintenance of CA on 19.9 ha NFL & fencing of the area wrt Construction of Vinod Nagar Depot and fencing of the area Site: Bela Farm near Shashtri Park Year of Creation -2024-25	19.9	https://drive.google.com/file/d/12KFKQMAuHJKCDm64snA4U0s7AZb59hVgIview?usp=share-link	1998.37	19.9	161.7	19.9	182	0	1651.41	Creation amount added in spillover Maintenance amount Rs. 62.25 & Rs. 125 Lakh Fencing cost
3	First Year Maintenance of CA on 0.2879 ha DFL w.r.t construction of six lane RCC bridge on downstream of existing bridge on Chhawla Najafgarh Road, Amberheri Village (WFD) Site: Ujjawa	0.0719	https://drive.google.com/drive/folders/1mNgPFapHJeqRf1SdU2eGGP5uotHwYxs2Zuspe=sharing	26.42	0.289	0	0.289	2.03	0		
4	First year Maintenance of CA on 0.9627 ha DFL w.r.t Boring and installation of 150 nos tubewells at Niloti and Najafgarh area etc for augmentation of water supply (WFD) Site: Ghittorni	0.9627	https://drive.google.com/file/d/1NqM6DkUn83JNlWgT0ntrRpZbAm8MfistHlxiew?usp=sharing	88.21	0.9627	0	0.9627	8.76	0		
5	First year Maintenance of CA on 0.10 ha DFL w.r.t G-20 preparedness work construction of approach road from Mathura Road to Gate No. 8 & 9 ITPCO complex, Pragati Maidan (WFD) Site:Ujjawa	0.1	https://drive.google.com/file/d/1HxUG7paatZNSQ8nKQLLDlDQDd0bLHbIvew?usp=sharing	9.14	0.1	0	0.1	0.7	0		
6	First year Maintenance of CA on 3.05 ha NFL w.r.t construction of East Vinod Nagar Depot by Transport Department, GNCTD (WFD) Site:Rawla	3.05	https://drive.google.com/file/d/1c3B9qRhiSh1s8-6t7AcWQeE52X99MHmlviw?usp=sharing	116.56	3.05	0	3.05	21.44	0		
7	First year Maintenance of CA on 1.282 ha NFL w.r.t construction of Delhi Gurugram SNB RRTS corridor by NCRTC (WFD) Site: Dhulsiras	1.282	https://drive.google.com/file/d/1S7tTIS0fnaIDuIXGDaYobeeNAyHyV1vIview?usp=sharing	149.59	1.282	0	1.282	9.01	0		
Total for first year maintenance					28.6792		28.6792	235.84		1876.5	
Second year maintenance of CA plantations created in 2023-24											
1	Second year maintenance of 12,000 saplings for 1 year as compensatory afforestation on ca land against the Development of Six-lane access controlled in Delhi portion of Delhi Saharanpur Highway from Akshardham NH-9 junction to Delhi/UP Border in the state of Delhi.(SFD) Site: NTPC Ecopark, Badarpur	12	https://drive.google.com/file/d/1-07or3QV2ibUuXNxsqSRfRQfch2CqgVieW7uspe=drive-link	866.82	12	448.55	12	110	0	308.27	
2	Second Year Maintenance of 1,80,000 Shrub/dwarf species (SFD) Site: Under PGCIL TL in ABWLS	10	https://drive.google.com/file/d/1ene-GOfuEbAic_IP8vYJfj_LY3NQbpview?usp=sharing	683.82	10	198.14	10	120	0	365.68	
3	Second year maintenance of CA on 20.5 ha NFL wrt Construction of Underground Station at Krishna Park and Elevated Corridor between Keshopur to Mukarba Chowk for Jankapuri to R.K. Ashram Corridor of MRTS Phase -IV by DMRC Aero City to MRTS Corridors Dhoolsiras (DMRC) (WFD) Site: Dhoolsiras, Dwarka	20.57	https://drive.google.com/file/d/1-9P_rQ3upZxuyYVka8uxJieQ_DiDuPQA/viaw?usp=sharing	1530.43	20.57	108.79	20.57	81.59	0	1340.05	
4	Second year maintenance of CA on 2.396 ha NFL wrt Raising of Guide Bund Over River Yamuna by Northern Railways Dhoolsiras (Railways) (WFD) Site: Sector 29, Dwarka	2.396	https://drive.google.com/file/d/1Ns2LvQFoWYQh2K7I22nUHGJapootRuvZlviaw?usp=sharing	240.62	2.396	6.37	2.396	6.95	0	227.3	
5	Second year Maintenance of CA on 1.48 ha NFL land wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana -Mandola T/L at Maharani Bagh of Power Grid Corporation Limited (CFD) Site: along Yudhister Setu on Western Bank of River Yamuna	1.48	https://drive.google.com/file/d/1nagWxAcStu3hVxm_FOSYP5DxEst3BAjview?usp=share-link	120.51	1.48	0.64	1.48	10.92	0	108.95	Amount for one Year Maintenance - 10.92 Lakh

Table 1: Mandatory Activities-Compensatory Afforestation (CA)/ Penal Compensatory Afforestation (PCA)												Annexure-III
S.N o	FC Proposal Details	CA Area as per FC proposal (Details as per the original FC proposal for 10 years) (GT)			CA Executed (A) (Year wise details of activity & expenditure to be provided)		CA Proposed for current Financial Year (B)		Remaining CA		Interest Amount to offset incremental cost of CA/PCA (in lakhs)	Remarks
		Area (in ha)	Location	Financial	Physical	Financial	Physical	Financial	Physical	Financial		
6	Second Year Maintenance of Plantation of dwarf species/ shrubs under the Transmission line wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana –Mandola T/L at Maharani Bagh of PGCIL (CFD) Site: Under TL of PGCIL	0.9	https://drive.google.com/filed/12KFKQMAuhJKCDm4snA4U0s7Azb98hVg/view?usp=sharing	186	0.9	1.44	0.9	10.25	0	174.31	0	Amount for one Year Maintenance -10.25 Lakh
Total for 2nd year maintenance					47.346		47.346	339.71				
Third year maintenance of CA plantation created in 2022-23												
1	Third year maintenance of CA plantation created wrt Diversion of 54.87 Ha, Deemed Forest Land for Development of Urban Extension Road-II NH-344M 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 (NFD) Site: Holambi & Sannoth	47.96	https://drive.google.com/filed/1qx18ZAmxVUqcGKs8o2Npr2ETyQzcl/view?usp=sharing	4218.1	47.96	697.36	47.96	138.1833	0	3382.5567		Tender for maintenance have been awarded in the month of September, 2024. *Proposed financial Targets are calculated on the basis of Existing Tender Rates of ongoing plantation maintenance work.
2	Third year maintenance of CA wrt Construction of Common Central Secretariat 1,2 &3 at Existing IGNC Building by CPWD (Central Vista) (WFD) Site: Dhulsiras	8.11	https://drive.google.com/filed/1hzbKjpsdsjMmW2YPnP4q4CIAUha_21uiview?usp=sharing	707.28	8.11	39.48	8.11	35.52	0	632.28		
3	Third year maintenance of CA wrt Construction of RRTS going towards Meerut Uttar Pradesh (WFD) Site: Dhulsiras	4.61	https://drive.google.com/filed/1JfO_sWixCpANieOCKL_peE9NhP2Dx71a/view?usp=sharing	470.84	4.61	16.85	4.61	15.55	0	438.44		
4	Third year maintenance of CA wrt Construction of 765 kV D/C Khetri-Jhatikara Transmission Line under Transmission System Associated with LTA Applications for Rajasthan Solar Energy Zone, Part-C (WFD) Site: Dhulsiras	4.89	https://drive.google.com/filed/1x0LDRvfyS62ys9-eyZcJxsZGf8k6zhQviaw?usp=sharing	398.19	4.89	39.95	4.89	17.97	0	340.27		
5	Third year maintenance of CA wrt Construction of Urban extension Road-II (WFD) Site: Dichoon Kalan	5.01	https://drive.google.com/filed/1E3suEyuwHnux8CdompEKsVR88ndqh27viaw?usp=sharing	441.49	5.01	20.77	5.01	17.97	0	402.75		
Total for 3rd year maintenance					70.58		70.58	225.1933				
Fourth Year maintenance of CA plantation created in 2021-22												
1	Fourth year maintenance of CA plantation created wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana –Mandola T/L at Maharani Bagh of Power Grid (CFD) Site:	5.3	https://drive.google.com/filed/1F8bOXFBR0D2-xEwvzks9DB1c0Teveg2iiview?usp=sharing	1100.61	5.3	123.48	5.3	202.09	0	775.04	0	Maintenance and watch & ward of plantation area for a period of one year - 52.08 Lakh and Rs. 150 Lakh for fencing of area including 1.48 ha patch
		2.44	https://drive.google.com/filed/1A4jQzQ8aswWZZHPbdZY9GKPEYDxPntM1L/view?usp=sharing		2.44		2.44		0		0	
		4.3	https://drive.google.com/filed/1NaDB2XfBg2G_EUF9f3Mp1gscXEco_4viaw?usp=sharing		4.3		4.3		0		0	
2	Fourth year maintenance of CA plantation created wrt Diversion of 10.9736 Ha land for construction of LILO of 400 KV Barnauli-Jhatikara T/L at Dwarka of PGCIL (CFD) Site:	6.13	https://drive.google.com/filed/1WUhuUlpQEA6i0NqS1lowJUXCtFw8g8pyviaw?usp=sharing	893.6	6.13	93.07	6.13	126.85	0	673.68	0	Maintenance and watch & ward of plantation area for a period of one year - 46.85 Lakh.
		4.85	https://drive.google.com/filed/1clnX1vJlQERnPTp4R1crKczEhwSVI/view?usp=sharing		4.85		4.85				0	
Total for 4th year maintenance					23.02		23.02	328.94				
Fifth Year maintenance of CA plantation created in 2020-21												

Table 1: Mandatory Activities-Compensatory Afforestation (CA)/ Penal Compensatory Afforestation (PCA)												Annexure-III	
S.N o	FC Proposal Details	CA Area as per FC proposal (Details as per the original FC proposal for 10 years) (GT)		CA Executed (A) (Year wise details of activity & expenditure to be provided)				CA Proposed for current Financial Year (B)		Remaining CA		Interest Amount to offset incremental cost of CA/PCA	Remarks
		Area (in ha)	Location	Financial	Physical	Financial	Physical	Financial	Physical	Financial		(in lakhs)	
1	Fifth year Maintenance of CA plantation wrt Construction of LILO of 400 KV Barnauli- Samaypur Transmission Line & Construction of LILO of 220 KV Mehrauli-BTPS/Okhla Transmission Line of PGCIL (CFD) Site:	35.73	https://drive.google.com/filed/1vNacrf6z95YM3QggzZowJuuS-d-9PcauH/view?usp=sharing	1973.34	35.73	274.37	35.73	280.84	0	1418.13	0		Maintenance and watch & ward of plantation area for a period of one year - 80 Lakh The work of fencing will be added in spillover.Further, expenditure of Rs. 40 lakh will be booked till march for the maintenance of compensatory afforestation. The file is under process for approval.
2	Fifth year Maintenance of CA plantation wrt Construction of CPWD Flyover (CFD) Site:	1.81	https://drive.google.com/filed/1xaxYENb_-yEFYQURxMYFsyR2qvkQbNviw?usp=sharing	147.39	1.81	15.16	1.81	31	0	101.23	0		Maintenance and watch & ward of plantation area for a period of one year - 8 Lakh The work of fencing will be added in spillover.Further, expenditure of Rs. 6.43 lakh will be booked till march for the maintenance of compensatory afforestation.
3	Fifth year Maintenance of CA plantation over 10 ha NFL wrt Construction of Dwarka Expressway of Delhi Package-1 Shiv Murti to Delhi (CFD) Site:	10	https://drive.google.com/filed/1_bnOxi-bdaD3IB-VCAaWknybkKhY6GF6Rvaw?usp=sharing	814.28	10	104.29	10	90	0	619.99	0		Maintenance and watch & ward of plantation for a period of one year - 30 Lakh The work of fencing will be added in spillover. The tender has been invited for the maintenance of CA Site.
4	Fifth year Maintenance of CA land (588m) over 2 ha wrt Development of Urban Extension Road –II NH-344M from Design Km 0+00 at NH-1 intersection (Km 23+800, near Bakoli Village) to design Km 83+111 near Sector -24, Dwarka in the State of NCT, under North & West Forest Division (CFD) Site:	2	https://drive.google.com/filed/1_bnOxi-bdaD3IB-VCAaWknybkKhY6GF6Rvaw?usp=sharing		2		2	27	0				Maintenance and watch & ward of plantation for a period of one year- 7 Lakh
Total for 5th year maintenance								49.54		428.84			
Grand Total for maintenance						219.1652		219.1652		1558.5233			
Other mandatory activities approved as part of CA scheme													
Name of the Project: Diversion of 54.87 Ha. Deemed Forest Land for Development of Urban Extension Road-II NH-344M 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 (NFD)													
1	LMV(2) (NFD)	2 nos.	North Forest Division	60	2	25.558	2 (LMV)	28.68		34.442			Tractor procurement, Water Tankers with capacity of 5000 ltrs and Trolley procurement is under process. Further, procurement of 02 Nos. LMV/Utility vehicles was proposed in spillover work in APO 2022-23. As the work could not be executed, it is proposed to be procured in APO 2025-26.
2	Inspection path (NFD)	1	https://drive.google.com/filed/1qxI8ZAmxVUqcGfKs9o2Nar2ETYYQzicL/view?usp=sharing	88.67	0	0	1	97.14	1	97.14			This work was approved in APO 2022-23 & 2023-24 (as spillover work) but work was not executed due to no eligible bidder in tenders invited (03 times) for this work. Hence it is proposed again.
3	FPR Security Check Post Cabin (10ftx10ft) 30 (NFD)	15	Various Location under North Forest Division	150	0	0	15	75	30	150			This work was approved in APO 2022-23 but same was not executed due to end of Financial Year 2022-23. As per current divisional requirement 15 Nos. FRP Cabins are proposed in APO 2025-26.
Total								200.82					
Grand total for CA Component								2486.5833					

Table 2:Mandatory Activity: Catchment Area Treatment Plan

S.No	FC Proposal Details	CAT Area as per FC proposal			CAT Executed		CAT Proposed for current Financial Year		Remaining CAT		Interest Amount to offset incremental cost of CAT
	Project Name/Details	CAT Activities	Location	Financial	Physical	Financial	Physical	Financial	Physical	Financial	
		(in Ha. / No.)	(KML File)	(in lakhs)	(in Ha.)	(in lakhs)	(nos.)	(in lakhs)	(nos.)	(in lakhs)	(in lakhs)
1	2	3	4	5	6	7	8	9	10	11	12
NIL											



Table 3: Integrated wildlife Management Plan (IWMP)

S.No	FC Proposal Details	IWMP Area as per FC proposal			IWMP Executed		IWMP Proposed for current Financial Year		Remaining IWMP		Interest Amount to offset incremental cost of IWMP
	Project Name/Details	IWMP Activities	Location	Financial	Physical	Financial	Physical	Financial	Physical	Financial	
		(nos.)	(kml file)	(in lakhs)	(nos.)	(in lakhs)	(nos.)	(in lakhs)	(nos.)	(in lakhs)	
1	2	3	4	5	6	7	8	9	10	11	12
NIL											



Table 4: Mandatory Activity: Other Component												
S.No	FC Proposal Details	Others Area as per FC proposal			Others Executed		Others Proposed for current Financial Year		Remaining Others		Interest Amount to offset incremental cost of Other Component	Remarks
	Project Name/Details	Others Activities (nos.)	Location (kml file)	Financial (in lakhs)	Physical (nos.)	Financial (in lakhs)	Physical (nos.)	Financial (in lakhs)	Physical (nos.)	Financial (in lakhs)	(in lakhs)	
1	2	3	4	5	6	7	8	9	10	11	12	13

NIL



Table 5: Net Present Value (NPV) & Interest

S.No	Plantation Target as per Working Plan for Current Year	Plantation under NPV			Others Schemes		Interest Amount to offset incremental cost of NPV	Remarks
	Project Name/Details	Physical	Location	Financial	Physical	Financial		
		(in Ha.)	(kml file)	(in lakhs)	(in Ha.)	(in lakhs)		
1	2	3	4	5	6	7	8	9
NII								



Table 6: Net Present Value and Interest : ANR									
S.No	ANR Target as per Working Plan for Current Year	Plantation under NPV			Others Schemes		Interest Amount to offset incremental cost of ANR	Remarks	CAMPA rule applicable
	Project Name/Details	Physical (in Ha.)	Location (kml file)	Financial (in lakhs)	Physical (in Ha.)	Financial (in lakhs)	(in lakhs)		
1	2	3	4	5	6	7	8	9	10
1	3rd year Maintenance of Eco-restoration plantation at Shikarpur	10		17	0	0	0		5 (2) (a)
2	First year Maintenance of Eco-restoration Plantation on 10 ha (14000 saplings) under WFD	10		5	0	0	0		5 (2) (a)
3	Eco-Restoration on 10 Ha. Mamoorpur Forest Area, under North Forest Division	10	https://earth.app.google.apn=com.google.earth&isi=293622097&ius=googleearth&link=https%3a%2f%2fearth.google.com%2fweb%2f%4028.85363162.77.11391.228.230.40681843a.2433.59861084d.30y.360h.0t.0r%2fdeta%3dCgRCAGgBSggl-fzo-wEQAA	25	0	0	0	Work already approved under APO 2024-25 and tender is under evaluation stage.	5 (2) (a)
4	1st year Maintenance of Eco-restoration Plantation on 10 ha at Dera Mandi under South Forest Division	10		25	0	0	0		5 (2) (a)
	Total			72					



Table 7: Net Present Value and Interest: Soil and Moisture Conservation works									
S.No	Soil Conservation Target	Soil Conservation Structures under NPV			Others Schemes		Interest Amount to offset incremental cost of NPV (in lakhs)	Remarks	Applicability of CAF rule
	Project Name/Details	Physical (nos.)	Location (kml file)	Financial (in lakhs)	Physical (nos.)	Financial (in lakhs)			
1	2	3	4	5	6	7	8	9	10
1	Development of rain water recharge structures (WFD & SFD)	80	20 in Alipur Range & 10 in Nangloi Range	40				Work is proposed for rain water harvesting in different locations under North Forest Division in Alipur & Nangloi Range	5 (2) (g)
2	Plantation along water bodies in Kapeshera Beat & Mitraon City Forest (WFD)	7		7					5 (2) (g)
	Total			47					



Table 8: Net Present Value and Interest: Wildlife Habitat Improvement									
S.No	Target Activities	Wildlife Activities under NPV			Others Schemes		Interest Amount to offset incremental cost of Wildlife Habitat Improvement (in lakhs)	Remarks	Applicability of CAF rule
	Project Name/Details	Physical (in Ha./	Location (kml file)	Financial (in lakhs)	Physical (in Ha./	Financial (in lakhs)			
1	2	3	4	5	6	7	8	9	10
1	Hiring of Veterinary Doctor & Compounder of Animal Rescue Centre in ABWLS (SFD)	3		20	0	0	0		5 (2) (k)
2	Wildlife Week Training and Celebrations (SFD)	7 Days		10	0	0	0		5 (2) (k)
3	Establishment of Turtle pond /Habitat for rescued turtles at ABWLS (HQ)	2		10	0	0	0		5 (2) (k)
	Total			40					

Table 9: Net Present Value and Interest: Fire Management

S.No	Target Activities as per Integrated Fire Management Plan for Current Year	Fire Management Activities under NPV			Others Schemes		Interest Amount to offset incremental cost of Fire Management	Remarks	Applicability of CAF rule
	Project Name/Details	Physical	Location	Financial	Physical	Financial			
		(in Ha./	(kml file)	(in lakhs)	(in Ha./	(in lakhs)			
1	2	3	4	5	6	7	8	9	10
				NIL					



Table 10: Net Present Value and Interest: Capacity Building/ Awareness Activities

S.No	Target Activities as per State Plan for Current Year	Activities		Others Schemes		Interest Amount to offset incremental cost of Capacity Building/Awareness Activities (in lakhs)	Remarks	Applicability of CAF rule
	Project Name/Details	Physical (in Nos.)	Financial (in lakhs)	Physical (In Nos.)	Financial (in lakhs)			
1	2	3	4	5	6	7	8	9
1	Advertisement & Awareness through making documentry about works of NFD and by printing pamphlets, caps, t-shirts, jute bags for distribution	1	10					6 (b) (vi)
2	Refresher, Training Program and exposure field training for staff (HQ)	2	5				Essential for exposure and interaction of department staff and upskilling	6 (a) (vi)
	Total		15					



Table 11: Net Present Value and Interest: Frontline Staff Quarters

S.No	Target Activities as per State Plan for Current Year	Activities		Others Schemes		Interest Amount to offset incremental cost of Frontline Staff Quarters	Remarks	Applicability of CAF rule
	Project Name/Details	Physical	Financial	Physical	Financial	(in lakhs)		
		(in Nos.)	(in lakhs)	(In Nos.)	(in lakhs)			
1	2	3	4	5	6	7	8	9
	NIL		0					



Table 12: Net Present Value and Interest : Casual Labours

S.No	Target Activities as per State Plan for Current Year	Activities		Others Schemes		Interest Amount to offset incremental cost of Casual Labours	Remarks	Applicability of CAF rule
	Project Name/Details	Physical	Financial	Physical	Financial	(in lakhs)		
		(in Nos.)	(in lakhs)	(In Nos.)	(in lakhs)			
1	2	3	4	5	6	7	8	9
	NIL		0					



Table 13: Net Present Value and interest : Hiring of Vehicles

S.No	Target Activities as per State Plan for Current Year	Activities		Others Schemes		Interest Amount to offset incremental cost of Hiring of Vehicles (in lakhs)	Remarks	Applicability of CAF rule
	Project Name/Details	Physical (in Nos.)	Financial (in lakhs)	Physical (In Nos.)	Financial (in lakhs)			
1	2	3	4	5	6	7	8	9
1	Purchase of Electric Motorcycles (for Forest Guard) ((HQ)	20	40					6 (a) (vi)
2	Hiring of Electric vehicles for Departmental use for one year (HQ)	2	12					6 (b) (iii)
	Total		52					



Table 14: Net Present Value and interest: Other Activities

S.N o	Target Activities as per State Plan for Current Year	Activities		Others Schemes		Interest Amount to offset incremental cost (in lakhs)	Remarks	Applicability of CAF rule
	Project Name/Details	Physical (in Nos.)	Financial (in lakhs)	Physical (In Nos.)	Financial (in lakhs)			
1	2	3	4	5	6	7	8	9
1	Purchase of Equipments, chemicals, interior works and engagement of Technical Manpower of Tissue Culture Lab at ABWLS for 1 year (SFD)	1 nos.	50	0	0	0		5 (3) (a)
2	Repair and construction of boundary wall along Ridge forest areas (WFD & SFD)		352	0	0	0		5 (2) (d)
3	Extension of 01 Account Assistant for CAMPA monitoring works for a period of 1 year from the date of hiring with increment as per ICSIL norms (HQ)	1 nos.	7	0	0	0		6 (a) (iv)
4	Conducting third party monitoring of CAMPA works/ plantations(HQ)	1 nos.	5	0	0	0		5 (3) (h)
5	Procurement of GPS Devices	5	2.5	0	0	0		6 (a) (vi)
6	Procurement of Binoculars for Najafgarh, New Delhi and Kapeshera Range	10	2.5	0	0	0		6 (a) (vi)
7	Purchase of Computers & Printers(as per requirements)		30	0	0	0		6 (b) (ii)
8	Creating biological index and documentation of floral and faunal biodiversity for the state of Delhi	4	8	0	0	0		5 (3) (b)
	Total		457					



Table 15: Net Present Value and interest: Overhead Expenditure

S.No	Target Activities as per State Plan for Current Year	Activities		Others Schemes		Interest Amount to offset incremental cost of Hiring of Vehicles	Remarks	Applicabil ity of CAF rule
	Project Name/Details	Physical	Financial	Physical	Financial			
		(in Nos.)	(in lakhs)	(In Nos.)	(in lakhs)			
1	2	3	4	5	6	7	8	9
	NIL		0					



Details of Spillover works from earlier APOs of Delhi State CAMPA									
S.N o.	Project Name/Details/ Activities	Targets as Approved by NCAMPA		Location	Expenditure Incurred	Amount for which revalidation is sought	Year of APO in which activity was approved by NCAMPA	Remarks	Applicability of CAF rule
		Physical (in ha/Nos.)	Financial (in lakhs)		(in lakhs)	(in lakhs)			
1	2	3	4	5	6	7	8	9	10
	New Plantation								
1	Creation & maintenance of CA on 0.2879 ha DFL w.r.t construction of six lane RCC bridge on downstream of existing bridge on Chhawla Najafgarh Road, Amberheri Village (WFD) Site: Ujjawa	0.289	4.31	Ujjawa	0	4.31	2024-25	Work order for 5683 plantation has been issued to vendor vide order dated: 20.03.2025	CAF Act, 2016
2	Creation & maintenance of CA on 0.9627 ha DFL w.r.t Boring and installation of 150 nos tubewells at Niloti and Najafgarh area etc for augmentation of water supply (WFD) Site: Ghitorni	0.9627	14.5	Ghitorni	0	14.5	2024-25		CAF Act, 2016
3	Creation & maintenance of CA on 0.10 ha DFL w.r.t G-20 preparedness work construction of approach road from Mathura Road to Gate No. 8 & 9 ITPO complex, Pragati Maidan (WFD) Site: Ujjawa	0.1	1.5	Ujjawa	0	1.5	2024-25		CAF Act, 2016
4	Creation & maintenance of CA on 3.05 ha NFL w.r.t construction of East Vinod Nagar Depot by Transport Department, GNCTD (WFD) Site: Rawla	3.05	73.62	Rawla	0	73.62	2024-25		CAF Act, 2016
5	Creation & maintenance of CA on 1.282 ha NFL w.r.t construction of Delhi Gurugram SNB RRTS corridor by NCRTC (WFD) Site: Dhulsiras	1.282	71.8	Dhulsiras	0	71.8	2024-25		CAF Act, 2016
6	Creation & maintenance carried out on 19.9 ha land against Diversion of 19.9 ha land for construction of Vinod Nagar Depot (CFD)	19.9	215	Bela Farm	0	215	2024-25		CAF Act, 2016
7	Creation of CA on 3.0955 ha NFL wrt Construction of 6 Lane access controlled Highway from DND Maharani Bagh to Junction with Jaitpur-Pushta Road Section of NH-148 NA (Design Ch. 2+900 to 6+700) in the NCR of Delhi (PKG - I) under Bharat in South East District in Delhi State. (SFD) Location: NTPC, Eco Park, Badarpur	3.0955	21.6	NTPC, Ecopark, Badarpur	14.65	6.95	2024-25		CAF Act, 2016
	First Year maintenance of plantations created in 2023-24								
1	First year maintenance of CA on 20.5 ha NFL wrt Construction of Underground Station at Krishna Park and Elevated Corridor between Keshopur to Mukarba Chowk for Jankapuri to R.K. Ashram Corridor of MRTS Phase -IV by DMRC Aero City to MRTS Corridors Dhoolisiras (DMRC) (WFD) Location: Dhoolisiras, Dwarka	20.57	102.85	Dhoolisiras	94.02	8.83	2024-25		CAF Act, 2016
2	First year maintenance of CA on 2.396 ha NFL wrt Raising of Guide Bund Over River Yamuna by Northern Railways Dhoolisiras (Railways) (WFD) Location: Sector 29, Dwarka	2.396	11.98	Sector 29, Dwarka	8.69	3.29	2024-25		CAF Act, 2016
3	First year maintenance of dwarf plantation (1,80,000 nos.) carried out under the Transmission line wrt Diversion of forest land for PGCIL projects (SFD)	10	360	ABWLS	108.74	251.26	2024-25		CAF Act, 2016
4	First year maintenance of CA on 1.48 ha NFL land wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana -Mandola T/L at Maharani Bagh of Power Grid Corporation Limited (CFD) Location: along Yudhister Setu on Western Bank of River Yamuna	1.48	8	Yudhister Setu on Western Bank of River Yamuna	0	8	2024-25		CAF Act, 2016
5	First year maintenance of dwarf plantation carried out under the Transmission line wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana -Mandola T/L at Maharani Bagh of PGCIL Under the Transmission Line (CFD)	0.9	3	Garhi mandu	0	3	2024-25	The work of maintenance was awarded in January 2025 and bills for the maintenance of two month period are pending for payment.	CAF Act, 2016
	Second Year maintenance of plantations created in 2022-23								
1	Second Year Maintenance of CA wrt Construction of Common Central Secretariat 1.2 & 3 at Existing IGNC Building by CPWD Dhoolisiras (Central Vista) (WFD)	8.11	40.55	Dhoolisiras	35.52	5.03	2024-25	Maintenance Work done but payment is yet to be made to the vendor	CAF Act, 2016
2	Second year maintenance of CA wrt Construction of RRTS going towards Meerut Uttar Pradesh Dhoolisiras (WFD)	4.61	23.05	Dhoolisiras	15.55	7.5	2024-25		CAF Act, 2016
3	Second year maintenance of CA wrt Construction of 765 KV D/C Khetri-Jhatikara Transmission Line under Transmission System Associated with LTA Applications for Rajasthan Solar Energy Zone, Part-C Dhoolisiras Dwarka (WFD)	4.89	24.45	Dhoolisiras	17.97	6.48	2024-25		CAF Act, 2016
4	Second year maintenance of CA wrt Construction of Urban extension Road-II, Dichhaon Kalan (WFD)	5.01	24.5	Dichhaon Kalan	19.47	5.03	2024-25		CAF Act, 2016
5	Second year maintenance of CA plantation created wrt Diversion of 54.87 Ha. Deemed Forest Land for Development of Urban Extension Road-II NH-344M 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 (NFD) Site: Holambi & Sannoht	47.96	255.47	Holambi & Sannoht	228.02	27.45	2024-25		CAF Act, 2016
	Third year maintenance of CA plantation created in 2021-22								
1	Third year maintenance of CA plantation created wrt Diversion of 13.5165 Ha land for construction of LILO of 400 KV Bawana -Mandola T/L at Maharani Bagh of Power Grid (CFD)	5.3 4.3 2.44	200	Garhi mandu Near Yudhister Setu Near Shastri Park	42.2	157.8	2024-25		CAF Act, 2016
2	Third year maintenance of CA plantation created wrt Diversion of 10.9736 Ha land for construction of LILO of 400 KV Bannaui-Jhatikara T/L at Dwarka of PGCIL (CFD)	6.13 4.85	120	NH-24 Shastri Park	19.21	100.79	2024-25		CAF Act, 2016
	Fourth Year Maintenance								
1	Fourth year Maintenance of CA plantation wrt Construction of LILO of 400 KV Bannaui- Samaypur Transmission Line & Construction of LILO of 220 KV Mehrauli-BTPS/Okhla Transmission Line of PGCIL (CFD)	35.73	200	NH-24 b/w CWG Village & Yamuna Bak Metro Station	64.95	135.05	2024-25		CAF Act, 2016
2	Fourth year Maintenance of CA plantation wrt Construction of CPWD Flyover (CFD)	1.81	26	NH-24 adjacent Yamuna Bank	4.83	21.17	2024-25		CAF Act, 2016

Details of Spillover works from earlier APOs of Delhi State CAMPA									
S.N o.	Project Name/Details/ Activities	Targets as Approved by NCAMPA		Location	Expenditure incurred	Amount for which revalidation is sought	Year of APO in which activity was approved by NCAMPA	Remarks	Applicability of CAF rule
3	Fourth year Maintenance of CA plantation & fencing of CA land over 10 ha NFL wrt Construction of Dwarka Expressway of Delhi Package-1 Shiv Murti to Delhi (CFD)	10	73	NH-24 next to PWD Office	0	73	2024-25		CAF Act, 2016
4	Fourth year maintenance of CA over 2 ha wrt Development of Urban Extension Road -II NH-344M from Design Km 0+00 at NH-1 intersection (Km 23+800, near Bakoli Village) to design Km 83+111 near Sector -24, Dwarka in the State of NCT, under North & West Forest Division (CFD)	2	7	NH-24 next to PWD Office	0	7	2024-25		CAF Act, 2016
	Other mandatory activities approved as part of CA scheme (CFD)								
1	Purchase of tractor/trolley/ in built water tanker	3	47.00		0	47.00	2024-25		CAF Act, 2016
2	Procurement of binoculars	5	1.00		0.972	0.03	2024-25		CAF Act, 2016
3	Construction of watch tower by using eco-friendly materials such as seasoned bamboo instead of iron angles/ steel at Shastri Park Bela Farm (19.9 ha)	1	5.00		0	5.00	2024-25		CAF Act, 2016
	SPILL OVER WORKS UNDER Net Present Value								
	ANR								
1	Ecorestoration Plantation on 10 ha and Maintenance thereof including Watch & Ward of Land under WFD	10	60	Central Ridge	0	60	2024-25		5(2)a
2	Ecorestoration Plantation on 10 ha and Maintenance thereof including Watch & Ward of Land under SFD	10	60	Dera Mandi	50.09	9.91	2024-25		
3	Ecorestoration Plantation on 10 ha and Maintenance thereof including Watch & Ward of Land under NFD	10	60	Mamoorpur	24.5	35.5	2024-25		
4	Maintenance of 4000 Plantation at Shikarpur (1st Year) (WFD)	10	20	Shikarpur	19.08	0.92	2024-25		
	Soil and moisture conservation works in the forest								
5	Development of Rain water Recharge structures @ Rs.2 lakh/Recharge structure	5	9		6.5	2.5	2024-25		5(2)g
	Establishment and maintenance of animal rescue centre								
6	Transportation cages for Leopard, Nilgai etc.	2	20		0	20	2024-25		5(2)k
7	Purchase of special equipments and dress for rescue operations	2	40		0	40	2024-25		
8	Procurement of Drop Net for capturing animals @ Rs.4 Lakh each	4	16		0	16	2024-25		
9	Purchase of Animal rescue vehicle (for Wildlife Animals) @ Rs.25 lakh each	3	75		0	75	2024-25		
10	Kitbag for forest and wildlife guards (kitbag includes torch, water bottle, stick, first aid mini kit, swiss knife, hat/ cap, note book, whistle, basic pocket binocular, note pad, pen	50	8.5		0	8.5	2024-25		
11	Purchase of cages for transportation of monkeys (CFD)	2	2.5		0.88	1.62	2024-25		
	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials								5(3)a
12	Development of Tissue Culture lab at Asola Bhatti Wildlife Sanctuary	1	146		55	91	2024-25		
	Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife								5(3)c
13	Purchase of Electric Motorcycles (For Forest Guard)	5	11		7.83	3.17	2024-25		
	Independent concurrent monitoring and third party								
	i. Independent concurrent monitoring								5(3) h
	ii. third party monitoring and evaluation								
14	Third Party monitoring and evaluation	1	20		9.61	10.39	2024-25		
	SPILLOVER WORKS UNDER INTEREST								
	For disbursement of Salary and allowances State CAMPA Authority & Staff								
1	Engagement of 01 Scientist and 1 Research Associate for Tissue Culture Lab works at Asola Bhatti Wildlife Sanctuary	2	12		0	12	2024-25		6(a)iv
	Engagement of 01 Project Associate for CAMPA monitoring works for a period of 1 year from the date of hiring (remuneration as per RMB) @ Rs. 60,000/-per month	1	7.2		0	7.2	2024-25		
	Activities referred to in sub-rules (2) and (3) of rule 5								
2	Exposure visit of frontline Executive Staff/ Rescue Team	5 programmes	25		0.96	24.04	2024-25		6(a)vi
3	Camera traps	40	20		0	20	2024-25		
4	Construction of watch tower using eco-friendly materials such as seasoned bamboo instead of iron angles/ steel CA site at Yamuna Bank Metro station	1	5		0	5	2024-25		
	Hiring of staff cars for the use of the officers and officials of the State Authority								
5	Hiring of electric vehicles for Departmental use for one year	2	12		5.47	6.53	2024-25		6(b)iii
	TOTAL					1703.668			
	SPILLOVER APPROVED IN 2024-25								
1	Construction of 02 nos. of Watch Towers at CA site Holambi & Sannoht (NFD)	2	44	Holambi & Sannoht CA site		44	2024-25	Amount has been deposited, around 80% work has been completed by I&FCD, however budget hasn't been utilized. However, if I&FCD will not utilize the work in this year as well then this work is likely to be spill over to next year.	CAF Act, 2016
2	Construction of Watch Tower at Shastri Park plantation area near Metro Station (CFD)	1	8.67			8.67	2024-25	The work was completed, further no handing-taking over/completion certificate of the work was received. A letter was also sent to I&FCD to submit necessary docs but the same was not received.	5 (3) CAF
3	Construction of Polyhouse at Kamla Nehru Ridge Nursery	1	5			5	2024-25		5(3)a
4	Construction of 7 Km long Boundary wall alongwith concertina fencing at CA site Holambi & Sannoht (NFD)	7 KM	312			176			
	GRAND TOTAL FOR REVALIDATION					1943.338			

Summary of APO 2025-26

S.No.	Work Component	Physical (ha &nos.)	Financial (Rs. In Lakh)	Remarks
1	Compensatory Afforestation			
	a) Creation	83.4856	727.24	
	b) Maintenance	219.1652	1558.5233	
	c) Other mandatory activities as per CA scheme		200.82	
	Total expenditure proposed from CA component		2486.5833	
2	Total expenditure proposed from NPV		574	
3	Total expenditure proposed from Interest		109	
	Total amount proposed for APO 2025-26		3169.5833	
4	Revalidation of Works approved in 2024-25		1943.338	
	Grand total		5112.9213	



ANNEXURE IV

DETAILS OF FINANCIAL OUTLAY FOR INTEGRATED APOs

Physical Activities and Financial Targets under APOs of CSS, State Plan, CAMPA & any other scheme (2024-25)

S. No	Activities	CAMPA		CSS (Centrally Sponsored Schemes)		External Aided Management Project		State Plan		Any other scheme	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
		Area in ha.	Rs. in crores	Area in ha.	Rs. in crores	Area in ha.	Rs. in crores	Area in ha.	Rs. in crores	Area in ha.	Rs. in crores
1.	Fire Prevention and control operations	-	-	-	-	-	-	-	-	-	-
2.	Wildlife Management	-	1.82	-	-	-	-	-	-	-	-
3.	Forest Protection	-	0.16	-	-	-	-	-	-	-	-
4.	Project Tiger	-	-	-	-	-	-	-	-	-	-
5.	Project Elephant	-	-	-	-	-	-	-	-	-	-
6.	Green India Mission	-	-	-	-	-	-	-	-	-	-



7.	Forest Infrastructure	-	1.46	-	-	-	-	-	-	-	-
8.	Vehicles	-	-	-	-	-	-	-	-	-	-
9.	Office Establishment	-	0.83	-	-	-	-	-	-	-	-
10.	Hiring of buildings	-	-	-	-	-	-	-	-	-	-
11.	Any other item Specify: _____	-	-	-	-	-	-	-	-	-	-
a.	Compensatory Afforestation	41.27Ha	6.56	-	-	-	-	-	-	-	-
b.	Maintenance of CA	190.48 Ha	15.66	-	-	-	-	-	-	-	-
c.	Other		0.53	-	-	-	-	-	-	-	-
d.	Plantation (ANR)		2.00	-	-	-	-	-	-	-	-

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DETAILS OF FINANCIAL OUTLAY FOR INTEGRATED APOs

Physical Activities and Financial Targets under APOs of CSS, State Plan, CAMPA & any other scheme

2025-26* expected

S. No	Activities	CAMPA		CSS (Centrally Sponsored Schemes)		External Aided Project		State Plan		Any other scheme	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
		Area in ha.	Rs.in crores	Area in ha.	Rs.in crores	Area in ha.	Rs.in crores	Area in ha.	Rs.in crores	Area in ha.	Rs.in crores
1.	Fire Prevention and control operations	-	-	-	-	-	-	-	-	-	-
2.	Integrated Wildlife Management	-	-	-	-	-	-	-	-	-	-
3.	Forest Protection	-	-	-	-	-	-	-	-	-	-
4.	Project Tiger	-	-	-	-	-	-	-	-	-	-
5.	Project Elephant	-	-	-	-	-	-	-	-	-	-
6.	Green India Mission	-	-	-	-	-	-	-	-	-	-
7.	Forest Infrastructure	-	-	-	-	-	-	-	-	-	-



8.	Vehicles	-	-	-	-	-	-	-	-	-	-
9.	Office Establishment	-	-	-	-	-	-	-	-	-	-
10.	Hiring of buildings	-	-	-	-	-	-	-	-	-	-
11.	Any other item Specify: _____	-	-	-	-	-	-	-	-	-	-
	-do-	-	-	-	-	-	-	-	-	-	-

Signature

GOVERNMENT OF NCT OF DELHI
DEPARTMENT OF FORESTS & WILDLIFE
A-BLOCK, 2ND FLOOR, VIKAS BHAWAN, IP ESTATE,
NEW DELHI-110002

F.No.21/CAMPA/F&WL/APO/2024-25/ 4164-69

Date: 26/06/25

CERTIFICATE

"I confirm that the budgetary figures in this agenda are as per APO of the Delhi State/UT. It is further confirmed that all budgetary demands of the State under various Heads are in compliance with the CAMPA Act 2016 and the extant policies of Govt of India and CAMPA."



(S.S. Kandpal)
PCCF & HoD/
CEO DELHI CAMPA

GOVERNMENT OF NCT OF DELHI
DEPARTMENT OF FORESTS & WILDLIFE
A-BLOCK, 2ND FLOOR, VIKAS BHAWAN, IP ESTATE,
NEW DELHI-110002

F.No.21/CAMPA/F&WL/APO/2024-25/ 4164-69

Date: 26/06/25

CERTIFICATE

Certified that Compensatory Afforestation and its maintenance proposed in APO are to be carried out on the same Non Forest Land/ Degraded Forest Land and within the estimated cost as per the approval of the corresponding project under Forest (Conservation) Act, 1980.


(S.S. Kandpal)
PCCF & HoD/
CEO DELHI CAMPA



Forest Department
Government of NCT of Delhi

सत्यमेव जयते



Report On

**“Monitoring and Evaluation of the Works Carried out by
Delhi Forest Department under CAMPA Schemes”**

Submitted to:
Delhi Forest Department

Submitted by:

**Silviculture and Forest Management Division
ICFRE-Forest Research Institute
(October 2024)**



Foreword

Delhi Forest Department assigned the task of monitoring and evaluation of plantation activities under Compensatory Afforestation Fund Management and Planning Authority (CAMPA) in four divisions of Delhi to Forest Research Institute (FRI), Dehradun. Delhi has total Forest Cover of

195.44 sq. km which is 13.18 % of the State's geographical area. In terms of forest canopy density classes, the State has 6.72 sq. km under Very Dense Forest (VDF), 56.60 sq. km under Moderately Dense Forest (MDF) and 131.68 sq. km under Open Forest (OF) India State of Forest Report, 2021. The main forest types of NCT of Delhi are the Type Group 5 (Tropical Dry Deciduous Forests) and Type Group 6 (Tropical Thorn Forests). Around 67.35 % of the total forest cover comes under plantation/ TOF and 32.65 % constitute the natural forest, which covers 57.67 sq. km of Delhi's forests. The major tree species in the forests are *Dalbergia sissoo*, *Acacia nilotica*, *Terminalia arjuna*, *Syzygium cumini*, *Melia azadirach*, *Holoptelea integrifolia*, *Pongamia pinnata*, *Tamarix diocia*, *Bombax ceiba*, *Butea monosperma*, *Ficus benghalensis*, *Ficus religiosa*, *Pterospermum acerifolium* and *Zizyphus* spp. etc.

Although, the land availability for the plantation in Delhi is very limited but Forest department is undertaking plantations on all types of vacant lands viz, road sides, Yamuna pusta, ridges and on village lands. Compensatory Afforestation Fund Management and Planning Authority (CAMPA) is meant to promote afforestation and regeneration activities as a way of compensating for forest land diverted to non-forest uses. The Compensatory Afforestation Fund Act, 2016 mandates carrying out qualitative and quantitative supervision, monitoring and evaluation of the works being implemented from amounts available in the CAMPA Fund. Monitoring and evaluation is also necessary as it provides evidence that objectives of the project are achieved and if alternative approaches need to be considered to improve effectiveness.

Hence, the Delhi Government entrusted the Forest Research Institute (FRI), Dehradun to take up the monitoring and evaluation of works being carried out by the Delhi Forest Department under CAMPA upto 2020-21. . Recommendations and observations of different sites in the report could be useful in maintenance and management of plantations.

I believe that the present report would be useful to the forest department.

Dr. Renu Singh, IFS
Director ICFRE-FRI

Preface

Delhi, the National Capital Territory (NCT) of India, has a geographical area of 1,483 sq. km, which is 0.05 % of the geographical area of the country. The landscape of Delhi can geographically be divided into three major regions viz the low-lying Yamuna flood plains, the Aravalli ridge and the great Gangetic plains that cover most part of the city. The altitude of the Delhi ranges from 180 m to 316 m above the mean sea level. The population of NCT of Delhi is increasing at a very faster rate. The toxic levels of air pollution in and around Delhi are creating threats to the lives of the residents. Adding to the severity, the changing weather conditions have locked the pollutants in the air and made the situation worse especially in winter season.

The Aravalli mountain range provides the major forests in Delhi. The ridges of Delhi are the fragmented parts of Aravalli which comprises of five fragmented zones namely, Northern Ridge, Central Ridge, South Central Ridge, Southern Ridge and Nanakpura South Central Ridge. The forests on the ridge provide ecosystem services to the population of Delhi and are the foundation of biodiversity.

“Monitoring and evaluation of the works were carried out by Delhi Forest department under CAMPA Schemes for 2021-2022 in four forest divisions of Delhi. Forest department of Delhi undertook massive plantations on all vacant and degraded areas on gram sabha lands, along the roads, ridge areas, river banks, railway lines etc. During auditing of plantations by Forest Research Institute, the monitoring was carried out on different aspects of plantations on the basis of format designed by Ministry of Environment, Forests and Climate Change, Govt. of India.

Richa Misra, IFS

Head, Silviculture & Forest Management Division
ICFRE-FRI

Executive Summary

The State of Forest Report, 2021 has reported that Delhi has total Forest Cover of 195.44 sq. km which is 13.18 % of the State's geographical area. The primary aim of Delhi Forest Department is to maintain 2/3rd of the area under such forest cover in order to prevent erosion and land degradation and to ensure stability of the fragile eco-system keeping in view of massive industrialization, urbanization and vehicular pollution. Vegetation of Delhi is typical Northern Tropical Thorn Forest Type (Champion and Seth 1968). Among trees Acacias such as *A. nilotica*, *A. leucophloea*, *A. catechu*, *A. modesta* are commonly found. *Butea monosperma*, *Cassia fistula*, *Salvadora persica*, *Anogeissus latifolia* with abundance of *Prosopis juliflora* form the major vegetation of the area.

CAMPA aims to compensate the loss of ecosystem and forest land due to diversion of forests for non-forest use through compensatory afforestation, restoration of degraded forest, improvement of wildlife habitats, enrichment of biodiversity, etc.. The task of plantation is enormous and it requires proper monitoring and evaluation so as to successfully achieve the objectives of the project. Monitoring and evaluation will help the policy planners for correct decision making and future management. It is a process that involves on- going and routine collection of information used to assess the efficient use of resources and the extent to which the programme has achieved its objectives in terms of outputs (programme activities) and outcomes and impact (whether the expected benefits to the target population were reached). Monitoring and evaluation of the project is done to know status and the impact of the plantations. Hence, the Government of NCT, Delhi entrusted the Forest Research Institute (FRI), Dehradun to take up the auditing of CAMPA plantations 2011-12, 2012-13, 2014-15 to 2020- 21 in four forest divisions of Delhi Forest Department.

For carrying out monitoring of plantations, all the plantation sites, and 10 percent of the plantation area was sampled for the survey. Moreover,, all sites were surveyed for area verification with GPS. Survival percentage of the plantations was ranging from 86.48 % to 93.61

% in the state. The maximum survival of plants was observed in Anand Vihar range of Central Delhi forest division (93.61 %) and the minimum was found in Rithala STP of North Delhi Forest Division (86.48 %). The growth of plants is found to be satisfactory.

During the monitoring of plantations somewhere serious and specific symptoms of damages by insects and pests have been recorded. Most of the site requires proper fencing for protection of the plantation from cattle and wild animals. The cultural operations like singling, weeding, pruning, watering, soil working etc. could not have been taken up in most of the plantations properly as per the prescriptions. The growth of plants would have improved if the plantations

might have been protected from wild and stray animals and cultural operations could have been carried out timely. The major species planted in the years were *Terminalia arjuna*, *Dalbergia sissoo*, *Albizia lebbbeck*, *Morus alba*, *Bauhinia variegata*, *Acacia catechu*, *Acacia nilotica*, *Albizia procera*, *Terminalia arjuna*, *Terminalia bellirica*, *Ficus virens*, *Syzygium cumini*, *Ficus benghalensis* etc. It is imperative that sites of the plantations and species should be

selected keeping in view of ecology of sites and biotic factors. Protection and maintenance period should be varied for the different sites as per the site conditions.

It is encouraging that this plantation programme has proved the importance of the potent capacities of different species in ameliorating degraded sites and Yamuna bank sites which were hitherto left fallow. This result would definitely persuade others to think for the bioremediation of large tracts adversely affected due to inflow of industrial polluted water and sewerage in Delhi. The presence of varieties of other local species and an array of visiting avifauna ensures a lasting hope for bringing back the natural renewability of the unutilized land in addition to enhancing the green canopy over the area. The plantation will improve forest biomass and sequesters carbon from the environment and thereby will help in mitigation of climate change.

The Division wise overall performance of the average weighted survival of different sites in four forest divisions of Delhi is given below. The field survey was carried out in October 2022.

Division wise status of survival percentage of CAMPA plantations

S. No.	Forest Division	Name of the Site	Year of creation	Area (ha)	Survival Percentage
1.	Central Division	NH-24, adjacent Yamuna Bank metro station near PWD office	2020-2021	1.81	93.61 %
2.	Central Division	NH-24, Near PWD office	2020-2021	10	89.73 %
3.	Central Division	NH-24 between CWG village and Yamuna Bank Metro Station	2020-2021	35.73	90.05 %
4.	Central Division	Shastri Park- Near Metro Station	2015-2016	8.354	93.59 %
5.	North Division	Rithala Sewage treatment Plant/ DSC Pump House	2015-2016	0.28	86.48 %
6.	South Division	Asola Bhatti	2011-12	100	88 %
7.	Central Division	Bela Farm (Near Shastri Park)	2016-2017	19.9	Inaccessible due to flood.
Grand Total				176.074	



Project Implementation Team

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CHAPTER

1

Introduction

Introduction

Delhi, officially the National Capital Territory (NCT) of Delhi, is a city and a union territory of India containing New Delhi, the capital of India. NCT of Delhi stretches along the western bank of the river Yamuna between 28° 22' and 28° 54' North latitude and 76° 48' and 77° 23' East longitude. It is surrounded on the south-east by Thar Desert, on the north-east by the Indo- Gangetic plains and in the south by the Aravalli. Due to its location, the NCT of Delhi, which is

58.3 km in length and 48 km in width, has a diversity of physiographic features as well as vegetation. The NCT covers an area of 1,484 sq. km (FSI 2021). It is one of the greenest metros in the country. The city has experienced tremendous growth in the recent times, with increasing developmental activities.

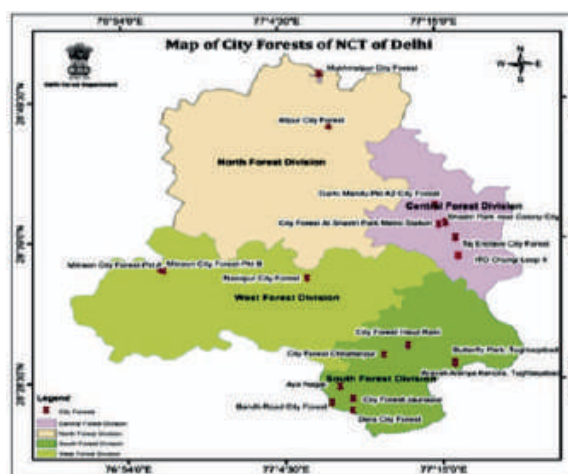
The plantations under CAMPA in the state of Delhi have been created as part of Compensatory Afforestation against projects for which forest land has been diverted for non-forestry purposes.. Compensatory Afforestation under CAMPA was carried out in Delhi in the year 2011-12 over an area of 100 ha degraded forest land against diversion of wherein about 40.67 ha of forest land was diverted for various developmental projects after prior approval of the MoEF&CC, GoI . In the years 2015-16 and 2016-17, Compensatory Afforestation (CA) was undertaken over an area of about 28 ha against diversion of 27.32 ha forest land for construction of Metro stations by DMRC.

The task of plantation scheme is enormous; it requires proper monitoring and evaluation of all the works so as to successfully achieve the objective. Monitoring and evaluation will help the policy planners for decision making and future management. Delhi Forest Department has entrusted FRI, Dehradun for carrying out third party monitoring and evaluation of CA plantations under CAMPA.

In addition to this, the Forest department under the Government of Delhi supervises and monitors various activities such as distribution of seedlings to public, government departments and institutions, plantations on gram sabha lands, along the roads, ridge area, railways lines etc.



Map of Delhi



Map of divisions of city forest of NCT Delhi

1.1 FOREST SCENARIO

Forests are the storehouse of Biodiversity. They play a vital role in the protection and improvement, foster a wide variety of fauna apart from giving life saving oxygen, acting as a sink for the greenhouse gases, and play a vital role in Soil and Moisture Conservation and ground water recharge. To maintain ecological balance and to ensure environmental stability, it is essential to propagate, protect and preserve our valuable forest resources.

Forest Types of Delhi: As per the Champion and Seth (1968) classification of forest types of India, the forests in Delhi belong to the Type Group 5 (Tropical dry deciduous forest) and Type Group 6 (Tropical thorn forests). Around 112.28 sq. km (57.36 % of the total area) comes under TOF/plantation (FSI, 2021).

Table 1.1: Details of forest resources.

S. No.	Forest types	Area (sq. km)	Forest type (%)
1.	5B/C2 Northern dry mixed deciduous forest	20.51	10.48
2.	6B/C2 Ravine thorn forest	62.95	32.16
	Sub Total	83.46	42.64
3.	TOF/Plantation	112.28	57.36
	Total (Forest cover and Scrub)	195.74	100.00

Forest cover of NCT Delhi

Forest cover of NCT Delhi is classified into very dense forest, medium dense forest, open forest and scrub forest. Distribution of above classes is given below:

Table 1.2: Details of forest cover

Class	Area (sq. km)	% Total geographic area (GA)
Very Dense Forest (VDF)	6.72	0.45
Medium Dense Forest (MDF)	56.60	3.82
Open Forest (OF)	131.68	8.88
Total	195.00	13.15
Scrub	0.38	0.03

(Source-India State of Forest Report. 2021)

Table 1.3: Details of growing stock.

S. No.	Growing Stock (GS)	2021 Assessment (million cubic meters)
1.	Growing Stock in recorded forest area	0.51
2.	Growing Stock in TOF	1.75

(Source-India State of Forest Report. 2021)

Table 1.4: Diameter class distribution of top five tree species inside recorded forest area in Delhi.

S. No.	Species	Diameter Class (cm)		
		10-30	30-60	>60
1.	<i>Prosopis juliflora</i>	475	25	6
2.	<i>Acacia lenticularis</i>	172	8	0
3.	<i>Azadirachta indica</i>	45	18	0
4.	<i>Holoptelea integrifolia</i>	33	4	0
5.	<i>Ficus virens</i>	6	8	0

Source-India State of Forest Report 2021

Table 1.5: List of species planted under CAMPA schemes by Delhi forest department.

S. No.	Scientific Name	Common Name	Family
1.	<i>Acer species</i>	Maple	Sapindaceae
2.	<i>Aegle marmelos</i>	Beal	Rutaceae
3.	<i>Albizia lebbbeck</i>	Siris	Fabaceae
4.	<i>Anthocephalus cadamba</i>	Kadamba	Rubiaceae
5.	<i>Artocarpus heterophyllus</i>	Jack fruit	Moraceae
6.	<i>Azadirachta indica</i>	Neem	Meliaceae
7.	<i>Bauhinia variegata</i>	Kachnar	Fabaceae
8.	<i>Bombax ceiba</i>	Semal	Malvaceae
9.	<i>Butea monosperma</i>	Palash	Fabaceae
10.	<i>Cordia myxa</i>	Lasoda	Boraginaceae
11.	<i>Cassia fistula</i>	Amaltas	Fabaceae
12.	<i>Cassia siamea</i>	Kassod	Fabaceae
13.	<i>Ceiba pentandra</i>	Kapop	Malvaceae
14.	<i>Dalbergia sissoo</i>	Shisham	Fabaceae
15.	<i>Emblia officinalis</i>	Amla	Phyllanthaceae
16.	<i>Ficus benghalensis</i>	Bargad	Moraceae
17.	<i>Ficus recemosa</i>	Gular	Moraceae
18.	<i>Ficus religiosa</i>	Peepal	Moraceae
19.	<i>Ficus virens</i>	Pilkhan	Moraceae
20.	<i>Helicteres isora</i>	Marod phali	Malvaceae
21.	<i>Jacaranda mimosifolia</i>	Jacaranda	Bignoniaceae
22.	<i>Mimusops elengi</i>	Maulsari	Sapotaceae
23.	<i>Mitragyna parvifolia</i>	Kaim	Rubiaceae
24.	<i>Morus alba</i>	Shahtoot	Moraceae
25.	<i>Pithecellobium dulce</i>	Jungle jalebi	Fabaceae
26.	<i>Pongamia pinnata</i>	Karanj	Fabaceae
27.	<i>Psidium guajava</i>	Amrood	Myrtaceae
28.	<i>Schleichera oleosa</i>	Kusum	Sapindaceae
29.	<i>Syzygium cumini</i>	Jamun	Myrtaceae
30.	<i>Terminalia arjuna</i>	Arjun	Combretaceae
31.	<i>Terminalia bellirica</i>	Bahera	Combretaceae
32.	<i>Ziziphus mauritiana</i>	Ber	Rhamnaceae

CHAPTER

2

Monitoring and Evaluation

Monitoring and Evaluation

2.1 Study Sites

The monitoring and evaluation works of plantation works of plantations under NCT Delhi CAMPA was carried out by Forest Research Institute, Dehradun during the period from 2011-12, 2012-13, 2014-15 to 2020-21. The plantation work under NCT Delhi CAMPA schemes and its components Compensatory Afforestation (CA) and Net Present Value (NPV) was carried out in three Forest Divisions namely North, South and Central.

Total seven plantation sites were monitored by adopting random sampling method with total plantation area of 176.074 ha. Division wise details of the sites selected and area covered for monitoring of the plantations under NCT Delhi CAMPA is provided in below Table-2.1

Table 2.1: Details of the sites covered.

S. No.	Name of Division	Year of creation	Scheme	Name of the Site	Area (ha)	Survival Percentage
1.	Central Division	2020-2021	Delhi CAMPA	NH-24, adjacent Yamuna Bank metro station near PWD office	1.81	93.61 %
2.	Central Division	2020-2021	Delhi CAMPA	NH-24, near PWD office	10	89.73 %
3.	Central Division	2020-2021	Delhi CAMPA	NH-24, between CWG Village and Yamuna Bank metro station	35.73	90.05 %
4.	Central Division	2015-2016	Delhi CAMPA	Shastri Park-Near metro station	8.354	93.59 %
5.	North Division	2015-2016	Delhi CAMPA	Rithala Sewage treatment Plant/ DSC Pump House	0.28	86.48 %
6.	South Division	2011-2012	Delhi CAMPA	Asola Bhatti	100	88 %
7.	Central Division	2016-2017	Delhi CAMPA	Bela Farm (Near Shastri Park)	19.9	Inaccessible due to flood
Grand Total					176.074	

2.2. Evaluation and Process

2.2.1 Methodology

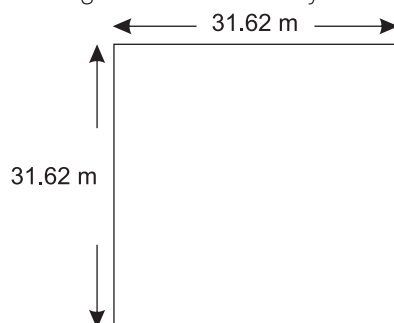
Monitoring and evaluation works under CAMPA were carried out by selecting sample plots (area 0.1 ha = 31.62 m × 31.62 m) in each plantation's area considered as a unit. Moreover, the size of plots and category of plantations were also taken into consideration for

representation of all units. The random sampling strategy was adopted for the selection of sample plots in all plantation areas. The selected plantation sites were traversed and plantation area verified by recording the Global Positioning System (GPS) locations. Entire plantation was assessed for small area (< 0.5 ha) but in bigger area it required sampling of 10% of the total area of each forest for data collection. In each patch up to size of 5 ha, 5 sample plot of 0.1 ha were laid, in patch of 5-10 ha 5-10 plots of 0.1 ha were laid, in case of patch with area 10-15 ha, 10-15 sample plots 0.1 ha, and for 15-20 ha size patch a total of 15-20 sample plots 0.1 ha were laid randomly for monitoring.

Plantation area size (ha)	Number of sample plots	Area covered by each sample plot (ha)	Sampling Intensity (%)	Total covered area (ha)
Less than 05	05	0.1	10	0.5
05-10	05-10	0.1	10	0.5-1.0
10-15	10-15	0.1	10	1.0 1.5
15-20	15-20	0.1	10	1.5 -2.0

Note: **Complete enumeration will be done for a site having area less than 1.0 ha.**

The physiography, ground patterns, habitations and relief as well as vegetation type of the sites were duly considered for organization of study zones.



Layout of sample plot (area 0.1 ha = 31.62 m × 31.62 m) for enumeration

2.2.2 Indicators for Monitoring and Evaluation

For the monitoring and evaluation of the plantations under the project an indicator framework was developed in consultation with the Delhi Forest Department. These indicators were simple, measurable yardsticks for assessing the plantations in terms of their effectiveness, relevance, sustainability. Also these indicators were finalized in concordance with the needs for output, outcome and impacts of the scheme in the plantation sites with respect to bio-diversity conservation. By using these indicators, the information pertaining to various parameters such as plantation scheme, species selection, plantation methodology and health of plantations, survival rate and other was generated during the field sampling in the sampled plantation patches.

The major indicators for data collection are provided below:

- Plantation scheme and its components
- Choice of species in the sites
- Selection of the planting site
- Planting methods size of the pits/trenches including earth work done
- Spacing of the pits
- Time of planting
- Health of the plants
- Cultural operations (hoeing, weeding, soil working etc.)
- Protection status of the plantation
- Management of plantations (causality replacement, watering, pruning, thinning etc.)
- Growth and survival of plants.

2.2.3 Collection of field data

The primary and secondary data were collected for raised plantation sites. The primary data was collected from the sites with help of the officials of forest departments and secondary data collected from the various records as well as from the forest officers of the respective forest divisions. The primary data were recorded in the prepared questionnaire. Some data was also collected from field observation in selected sites.

The data collected for plantation work was carried out under Delhi CAMPA and its components viz., NPV and CA during the period from 14 October 2022 to 22 October 2022. The parameters used for assessing the plantation work were choice of species with respect to the requirement of sites, local communities need about the species, readiness of planting such as cleaning and preparation of sites, advance pitting for proper weathering, temporary arrangement for storage of seedlings and arrangement for irrigation before planting, soil working and weeding immediately after planting and causality replacement of plant if required. In addition to above the ecological aspects such as soil and water conservation activities undertaken under the scheme in different plantations sites were also observed to understand their impact at these sites. Efforts were also made to understand the socio-economic issues in terms of fuel and fodder supply and improvement in water table by interacting with local people. Biodiversity aspect of the plantation activity was also recorded by conducting vegetation analysis in plantation sites and presence of wild fauna during the survey. The data for the monitoring and evaluation of the plantation sites was collected by experts from Silviculture and Forest Management Division. The collected data was compiled, tabulated and then analyzed for the preparation of final report.

2.2.4 Compilation and analysis of field data

The field data collected from Silviculture and Forest Management Division team were compiled and tabulated. The field data of each site was compiled range/site wise. The survival of plants was calculated by using data on number of plants of each species planted from the plantation's journal to the actual number of plants observed in the fields. The average height and diameter of each species is also compiled for observation of growth of plants.

CHAPTER

3

Forest Division-Wise Monitoring Evaluation

Forest Division-Wise Monitoring Evaluation

The Delhi Forest Department has four territorial divisions namely; Central, North, South and West. Monitoring and evaluation of CA plantations undertaken under CAMPA in Central, North and South forest division was carried out. The details are as follow.

I. Central Forest Division

The monitoring and evaluation of the plantations raised under Delhi CAMPA and its components for the year 2021-2022 were carried out by the team of Forest Research Institute, Dehradun in October, 2022.

Site 1: NH-24, adjacent Yamuna Bank metro station near PWD Office (1.81 ha)

Field Observations

- 1) It was observed that the site was infested with the weed which requires intensive weeding and soil working for the better growth of the plantation.
- 2) The plantation was damaged by the wild and domestic animals namely neelgai, buffaloes, cow etc. Effective fencing is required in the site for protection of plants from these animals.
- 3) Well maintained plantation journal is available at department and they keep posted up-to-date information on it.
- 4) As per the statement of field staff, Senior Forest Officers (DFO, CF and CCF) visited the planting site but record of field visit by the officers was not maintained in the plantation journal.
- 5) Mixed species namely *Dalbergia sissoo*, *Ficus racemosa*, *Syzygium cumini*, *Cassia fistula*, *Terminalia bellirica*, *Terminalia arjuna*, *Albizia lebbeck*, *Azadirachta indica*, *Emblica officinalis*, *Ficus religiosa*, *Neolamarckia cadamba*, *Aegle marmelos* and *Morus alba* were planted on the site and the planted species was found suitable for the site.
- 6) Growth characteristics like diameter and height of the planted plants was found well.
- 7) Planting was done in pits with pit size of 60 cm x 60 cm and plant to plant distance of 3m x 3m was observed at the site. Line to line gap is also 3 meter.
- 8) Average height of plants is ranging from 1.67 meter to 5.3 meter.
- 9) The total area of the plantation site was 1.81 ha as verified by GPS.
- 10) As per sampling procedure site were selected randomly for data collection. GPS coordinates of each sample plot (area equivalent to 0.1 ha) were recorded and presented in the Appendix-I. The plantation was done in patches. The data collection, field observations, survival of the plantation of selected site in all forest range are given below:-

Field Observations

- 1) Mixed species namely *Dalbergia sissoo*, *Ficus racemosa*, *Ficus infectoria*, *Syzygium cumini*, *Ficus racemosa*, *Cassia fistula*, *Terminalia arjuna*, *Azadirachta indica*, *Emblica officinalis*, *Ficus religiosa*, *Neolamarckia cadamba* and *Morus alba* were planted on the site and the planted species was found suitable for the site.
- 2) Average height of plants is ranging from 1.15 to 11.6 meter.
- 3) Watcher was engaged on the site for care of plants.
- 4) Fencing was not done in the planting area, which requires effective fencing for protection of plants from wild and domestic animals like neelgai, buffaloes and cow. It was observed at the site that the plants were damaged by these wild animals as well as domestic animals.
- 5) Plantation journal is available of planting site and up-to-date record/information posted in the journal.
- 6) As per the statement of field staff, Senior Forest Officers (DFO, CF and CCF) visited the planting site but record of field visit by the officers was not available.
- 7) Plants perform well at the site in terms of growth.
- 8) Planting was done in pits; pit size 60 cm x 60 cm and plant to plant distance 3 m x 3 m are maintained. Line to line gap is also 3 meter.
- 9) Total area of plantations was 10.0 ha as verified by the GPS.
- 10) As per sampling procedure site were selected randomly for data collection. GPS coordinates of each sample plot (area equivalent to 0.1 ha) were recorded and presented in the Appendix-I. The plantation was done in patches. The data collection, field observations, survival of the plantation of selected site in all forest range are given below:-

Table 3.2: Yamuna bank (near P.W.D. Office) sample site under Delhi CAMPA.

S. No.	Name of Forest Division	Name of Site	Area (ha)	Year of Plantation	Survival percentage	Component
1.	Central Division	Yamuna bank (near P.W.D. Office)	10.0	2020-2021	89.73%	Delhi CAMPA

Plantation Growth Observation

The average survival of 89.73 % was observed at Yamuna bank (near P.W.D. Office) site of Anand vihar forest range. The maximum height (11.6 m) was recorded for *Pongamia pinnata* followed by *Azadirachta indica* with height of 5.8 m and the minimum height of 1.15 m was recorded for *Butea monosperma* and *Psidium guajava* (1.76 m). The maximum diameter of 103 mm was recorded for *Ficus virens* followed by *Ficus benghalensis* with 99 mm diameter and minimum diameter (35 mm) for both *Butea monosperma* and *Emblica officinalis*.



Plantation at Yamuna Bank (near P.W.D. Office)



Insect attack on plantation



Measurement of collar diameter



View of plantation site

Table 3.1: Yamuna Bank (near P.W.D. Office) sample site under Delhi CAMPA.

S. No.	Name of Forest Division	Name of Site	Area (ha)	Year of Plantation	Survival percentage	Component
1.	Central Division	NH-24, adjacent Yamuna Bank metro station near PWD office	1.81	2020-2021	93.61%	Delhi CAMPA

Plantation Growth Observation

The average survival of 93.61 % was observed at Yamuna bank (near P.W.D. Office) site of Anand vihar forest range. The maximum height (5.3 m) was recorded for *Ficus virens* followed by *Ficus religiosa* (4 m) and minimum height (1.67 m) was recorded for *Syzygium cumini* and *Dalbergia sissoo* (2.5 m). The maximum diameter (113 mm) was recorded for *Ficus virens* followed by *Terminalia bellirica* (107.66 mm) and minimum diameter (28.62 mm) for *Syzygium cumini* and *Embllica officinalis* (53.5 mm).

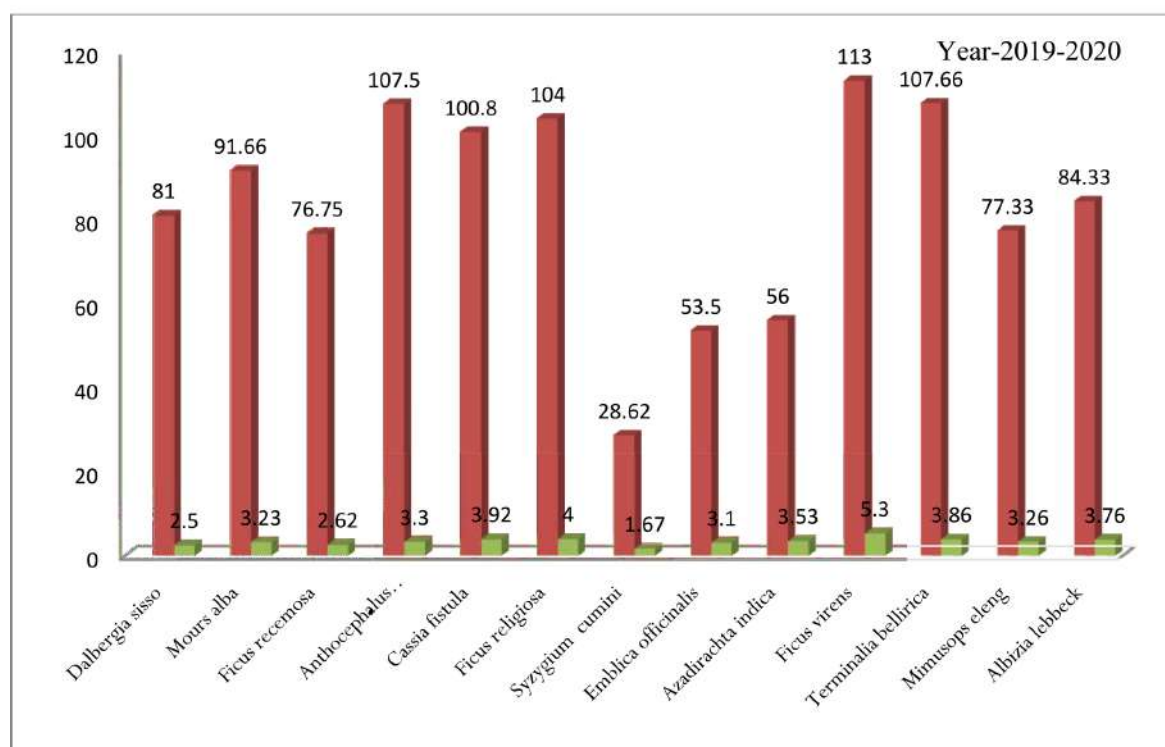


Figure 3.1: Plantation growth under Delhi CAMPA in Yamuna Bank (near P.W.D. Office).

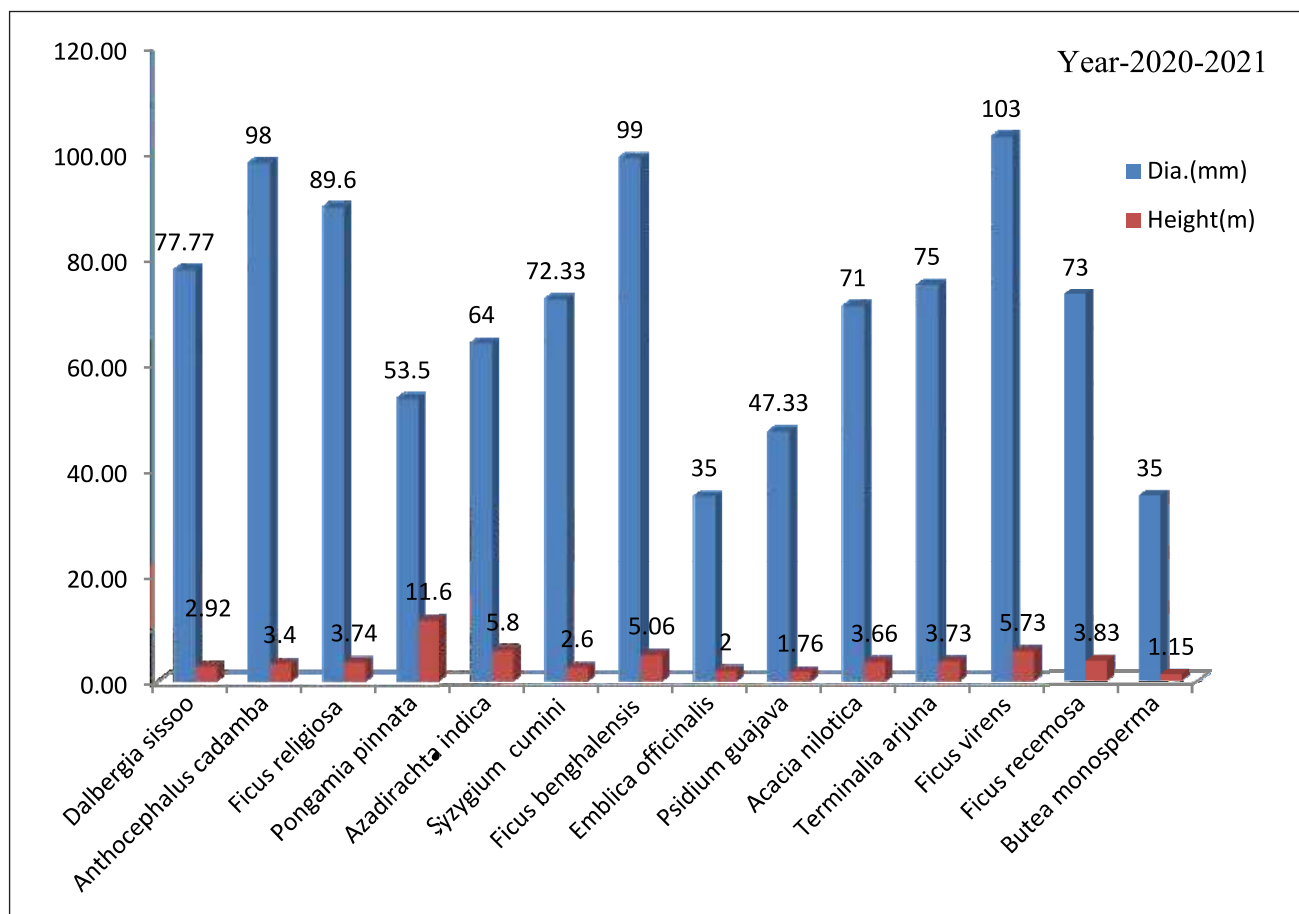


Figure 3.2: Plantation growth under Delhi CAMPA in Yamuna bank (near P.W.D. Office.)



Laying out sample plot at plantation site



View of plantation site



Sign Board at plantation site



Plant damaged by cattle

Site 3: Yamuna bank metro station Field Observations

- 1) Mixed species namely (*Dalbergia sissoo*, *Ficus racemosa*, *Ficus infectoria*, *Ficus benghalensis*, *Syzygium cumini*, *Ficus racemosa*, *Aegle marmelos*, *Acacia catechu*, *Bombax ceiba*, *Cassia fistula*, *Psidium guajava*, *Terminalia arjuna*, *Azadirachta indica*, *Embllica officinalis*, *Ficus religiosa*, *Neolamarckia cadamba* and *Morus alba*) were planted on the site and the planted species was found suitable for the site.
 - 2) Average height of plants is ranging from 1.85 meter to 5.33 meter.
 - 3) The plantation was damaged by the wild and domestic animals namely neelgai, buffaloes, cow etc. Effective fencing is required in the site for protection of plants from these animals.
 - 4) Well maintained plantation journal is available at department and they keep posted up-to-date information on it.
 - 5) As per the statement of field staff, Senior Forest Officers (DFO, CF and CCF) visited the planting site but record of field visit by the officers was not maintained in the plantation journal.
 - 6) Growth characteristics like diameter and height of the planted plants was found well.
 - 7) Planting was done in pits with pit size of 60 cm x 60 cm and plant to plant distance of 3 m x 3 m was observed at the site. Line to line gap is also 3 meter. Watcher was engaged on the site for care of plants.
 - 8) The area of plantations was 35.73 ha as verified by GPS.
 - 9) As per sampling procedure site were selected randomly for data collection. GPS coordinates of each sample plot (area equivalent to 0.1 ha) were recorded and presented in the Appendix-I.
- The plantation was done in patches. The data collection, field observations, survival of the plantation of selected site in all forest range are given below:-

Table 3.3: Yamuna bank (near P.W.D. Office) sample site under Delhi CAMPA.

S. No.	Name of Forest Division	Name of Site	Area (ha)	Year of Plantation	Survival percentage	Component
1.	Central Division	NH-24 Between CWG village & Yamuna Bank Metro Station	35.73	2020-2021	90.05%	Delhi CAMPA

Plantation Growth Observation

The average survival 90.05 percentage of the plants were found at Yamuna bank metro station site of Anand Vihar forest range. The maximum height (5.3 m) was recorded for *Mitragyna parvifolia* followed by *Anthocephalus cadamba* and *Ficus recemosa* (5.1 m) and minimum height (1.7 m) was recorded for *Cordia myxa* and *Ficus benghalensis* (1.8 m). The maximum diameter (144.33 mm) was recorded for *Anthocephalus cadamba* followed by *Mitragyna parvifolia* (141.66 mm) and minimum diameter (28 mm) for *Cordia myxa* and *Terminalia arjuna* (38.75 mm).

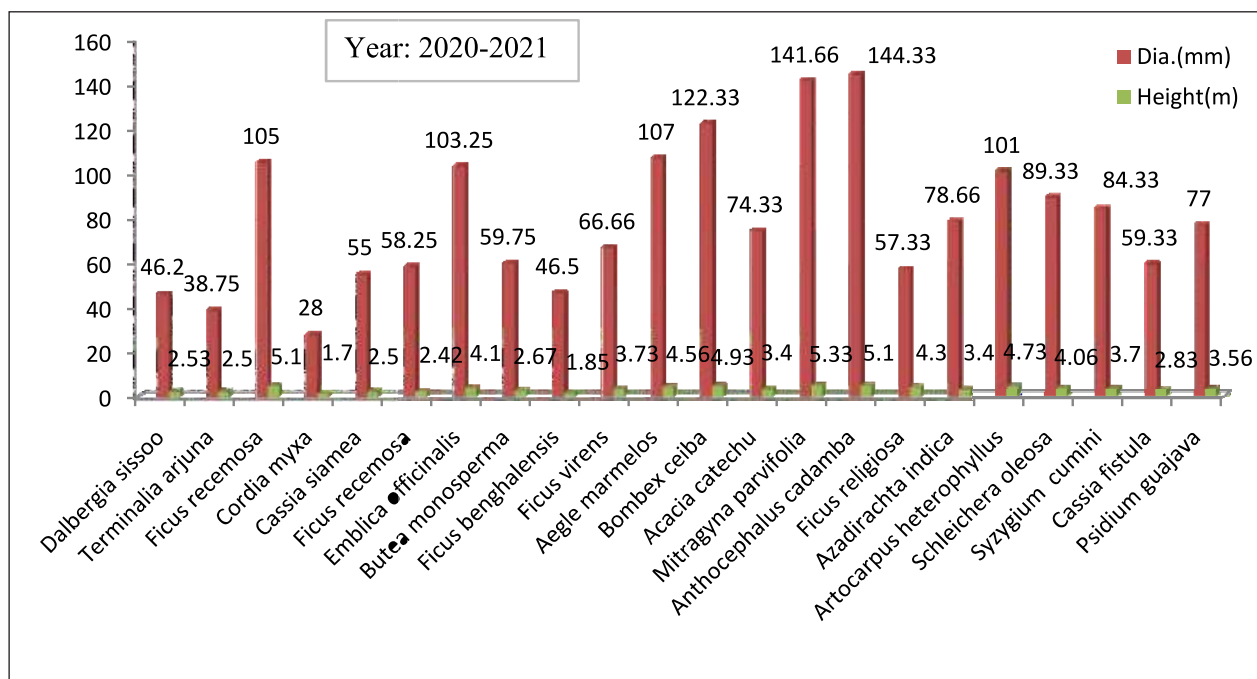


Figure 3.3: Plantation growth under Delhi CAMPA schemes in Yamuna bank metro station.



Plantation at Yamuna Bank Metro Station



Sign Board at plantation site



Plantation View



Laying out sample plot at plantation site

Site 4: Shastri Park-Near Metro Station

Field Observations

- 1) Average height of plants is ranging from 2 meter to 8 meter.
- 2) Barbed wire fencing with cemented pole done on the site which is effective to control the wild animals as well as pet animals.
- 3) Plantation Journal was not available for this site.
- 4) It was observed that the site was infested with the weed which requires intensive weeding and soil working for the better growth of the plantation.
- 5) Mixed species namely *Dalbergia sissoo*, *Ficus racemosa*, *Syzygium cumini*, *Cassia fistula*, *Terminalia belerica*, *Terminalia arjuna*, *Albizia lebbeck*, *Azadirachta indica*, *Embllica officinalis*, *Ficus religiosa*, *Neolamarckia cadamba*, *Aegle marmelos* and *Morus alba* were planted on the site and the planted species was found suitable for the site.
- 6) Growth characteristics like diameter and height of the planted plants was found well.
- 7) Planting was done in pits with pit size of 60 cm x 60 cm and plant to plant distance of 3 m x 3m was observed at the site. Line to line gap is also 3 meter.
- 8) The total area of the plantations site was 8.354 ha as verified by GPS.
- 9) As per sampling procedure site were selected randomly for data collection. GPS coordinates of each sample plot (area equivalent to 0.1 ha.) were recorded and presented in the Appendix-I. The plantation was done in patches. The data collection, field observations, survival of the plantation of selected site in all forest range are given below:-

Table 3.4: Shastri Park-Near Metro Station sample site under Delhi CAMPA.

S. No.	Name of Forest Division	Name of Site	Area (ha)	Year of Plantation	Survival percentage	Component
1.	Central Division	Shastri Park- Near Metro Station	8.354	2015-2016	93.59%	Delhi CAMPA

Plantation Growth Observation

The average survival 93.59 percentage of the plants were found at Shastri park-near metro station site of Shastri park forest range. The maximum height (8 m) was recorded for Ceiba pentandra followed by Bombex ceiba and Delonix regia (7 m) and minimum height (2 m) was recorded for Acer species and Terminalia arjuna (2.5 m). The maximum diameter (207 mm) was recorded for Ceiba pentandra followed by Helicteres isora (165 mm) and minimum diameter (55 mm) for Terminalia arjuna and Acer species (84 mm).

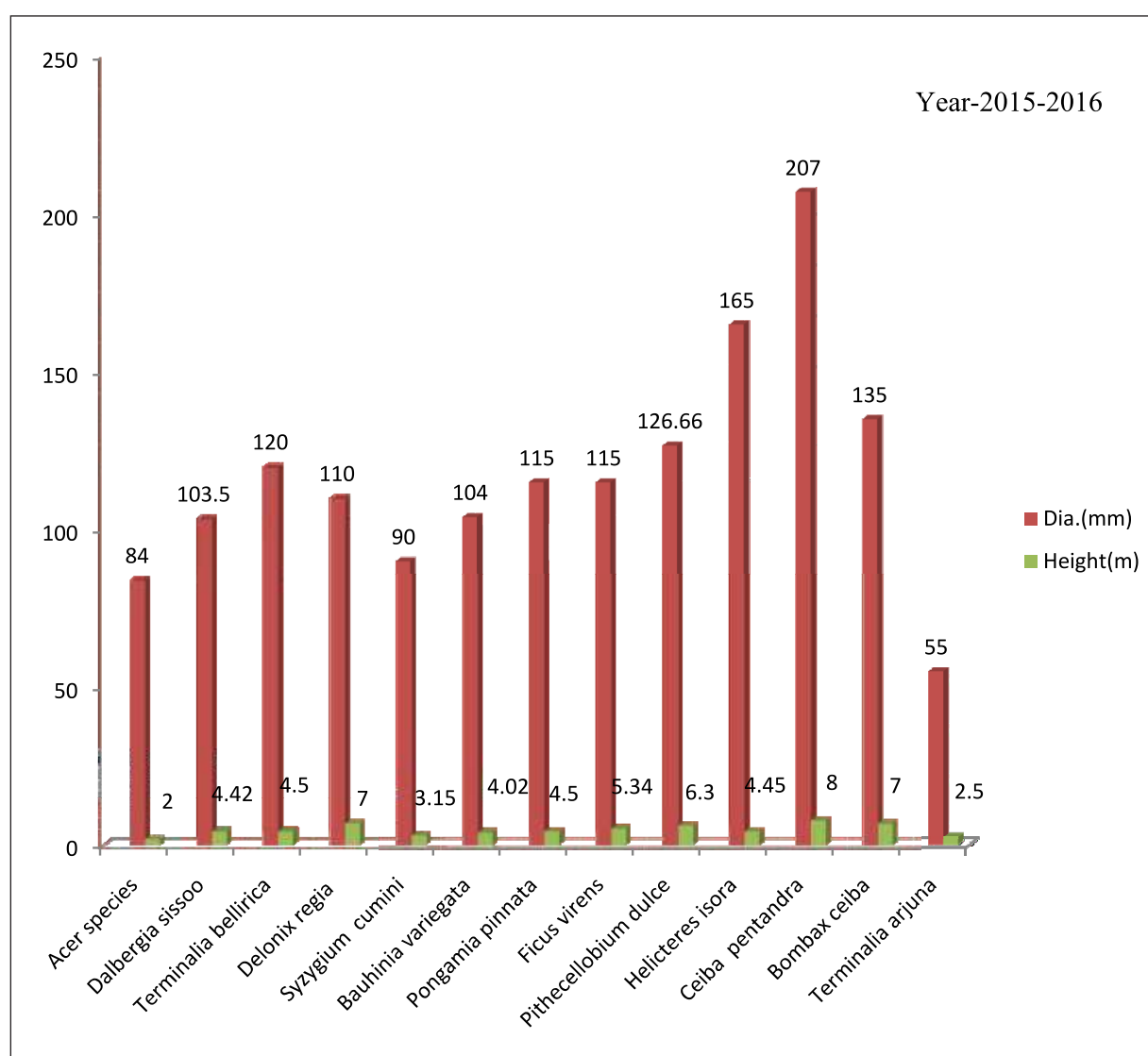


Figure 3.4: Plantation growth under Delhi CAMPA in Shastri park near metro station.



Plantation at Shastri park-near metro station



Measurement of collar diameter



Insect attack on plantation



FRI inspection team with forest officers

Site 5: North Forest Division, Nangloi sewage treatment plant/ DSC pump house

Field Observations

1. It was observed that the site was infested with the weed which requires intensive weeding and soil working for the better growth of the plantation.
2. Average height of plants is ranging from 7.35 meter to 11 meter.
3. Termite infection observed on the site, anti termite treatment requires on the site.
4. Mixed species namely Dalbergia sissoo, Delonix regia, Ficus benghalensis, Ficus infectoria, Ficus religiosa, Syzygium cumini, Terminalia arjuna, Azadirachta indica, Cassia fistula and Cordia myxa were planted on the site and the planted species was found suitable for the site.
5. Plantation journal is not available of planting site.
6. As per the statement of field staff, Senior Forest Officers (DFO, CF and CCF) visited the planting site but record of field visit by the officers was not available.
7. Growth characteristic of the like diameter and height of the planted plants was found well.
8. Planting was done in pits with pit size of 60 cm x 60 cm and plant to plant distance of 3 m x 3 m was observed at the site. Line to line gap is also 3 meter.
9. The total area of the plantations site was 0.28 ha as verified by GPS.
10. As per sampling procedure site were selected randomly for data collection. GPS coordinates of each sample plot (area equivalent to 0.1 ha) were recorded and presented in the Appendix-I. The plantation was done in patches. The data collection, field observations, survival of the plantation of selected site in all forest range are given below:-

Table 3.5: Nangloi sewage treatment plant/ DSC pump house sample site under Delhi CAMPA.

S. No.	Name of Forest Division	Name of Site	Area (ha)	Year of Plantation	Survival percentage	Component
1.	North Division	Rithala Sewage treatment Plant/DSC Pump House	0.28	2015-2016	86.48%	Delhi CAMPA

Plantation Growth Observation

The average survival 86.48 percentage of the plants were found at Nangloi sewage treatment plant/ DSC pump house in Nangloi forest range. The maximum height (11 m) was recorded for Prosopis juliflora followed by Delonix regia (9.65 m) and minimum height (6.7 m) was recorded for Azadirachta indica and Ficus benghalensis (7.35 m). The maximum diameter (299 mm) was recorded for Prosopis juliflora followed by Ficus religiosa (234 mm) and minimum diameter (136 mm) for Terminalia arjuna and Ficus benghalensis (157.5 mm).

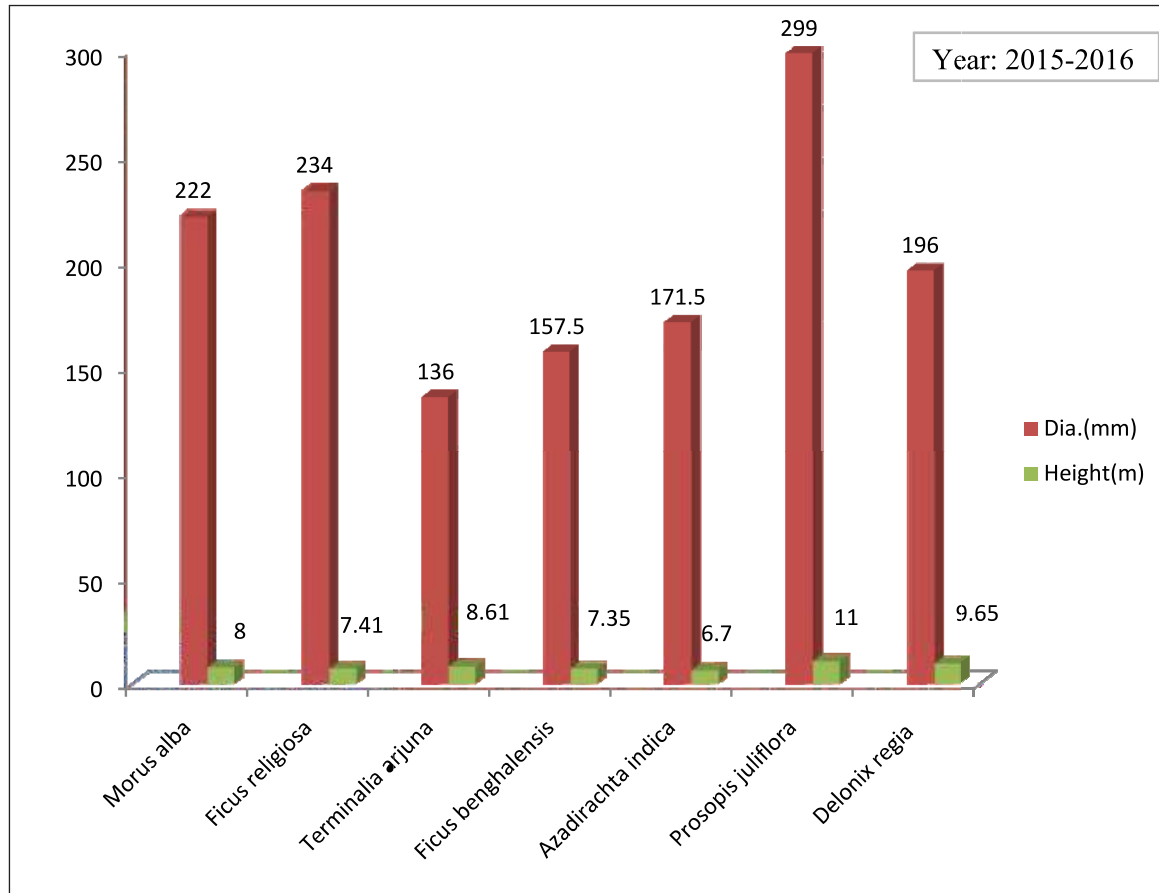


Figure 3.5: Plantation growth under Delhi CAMPA in Nangloi sewage treatment plant/ DSC pump house.



Sign Board at plantation site



Termite attack on tree



Plantation at Nangloi Sewage treatment Plant/ DSC Pump House



Dead plant

Site 6: South Delhi Forest Division, AsolaBhatti

Field Observations

- 1) Mixed species namely; *Acacia nilotica*, *Acacia catechu*, *Acacia leucophloea*, *Holoptelia integrifolia*, *Dalbergia sissoo*, Bamboo species, *Tectona grandis*, *Melia dubia*, *Pithecellobium dulce*, *Pongamia pinnata*, *Cassia fistula*, *Syzygium cumini*, *Neolamarckia cadamba* and *Morus alba* were planted on the site and the planted species was found suitable for the site.
- 2) Average height of plants is ranging from 2.5 meter to 6 meter.
- 3) Termite infection found in some plants on the site, anti termite treatment require in some plants on the site.
- 4) It was observed that the site was infested with the weed which requires intensive weeding and soil working for the better growth of the plantation.
- 4) Browsing are found on the site by wild animals as well as pet animals.
- 5) Pruning and thinning are required in some plants.
- 6) Plantation journal is not available of planting site.
- 7) As per the statement of field staff, Senior Forest Officers (DFO, CF and CCF) visited the planting site but record of field visit by the officers was not maintained in the plantation journal.
- 8) Growth characteristics like diameter and height of the planted plants was found well.
- 9) Planting was done in pits with pit size of 60 cm x 60 cm and plant to plant distance of 3 m x 3m was observed at the site. Line to line gap is also 3 meter.
- 10) The total area of the plantations site was 100 ha as verified by GPS.
- 11) As per sampling procedure site were selected randomly for data collection. GPS coordinates of each sample plot (area equivalent to 0.1 ha) were recorded and presented in the Appendix-I. The plantation was done in patches. The data collection, field observations, survival of the plantation of selected site in all forest range are given below:-

Table 3.6: Asola Bhatti sample site under Delhi CAMPA.

S. No.	Name of Forest Division	Name of Site	Area (ha)	Year of Plantation	Survival percentage	Component
1.	South Division	Asola Bhatti	100	2011-12	88%	Delhi CAMPA

Plantation Growth Observation

The average survival 88 percentage of the plants were found at Asola Bhatti forest range. The maximum height (6 m) was recorded for *Anthocephalus cadamba* followed by *Acacia leucophloea* (5.66 m) and minimum height (2.5 m) was recorded for *Dalbergia sissoo* and *Pithecellobium dulce* (3 m). The maximum diameter (223 mm) was recorded for *Anthocephalus cadamba* and *Prosopis juliflora* (85 mm) and minimum diameter (45 mm) for *Pithecellobium dulce* and *Dalbergia sissoo* (65 mm).

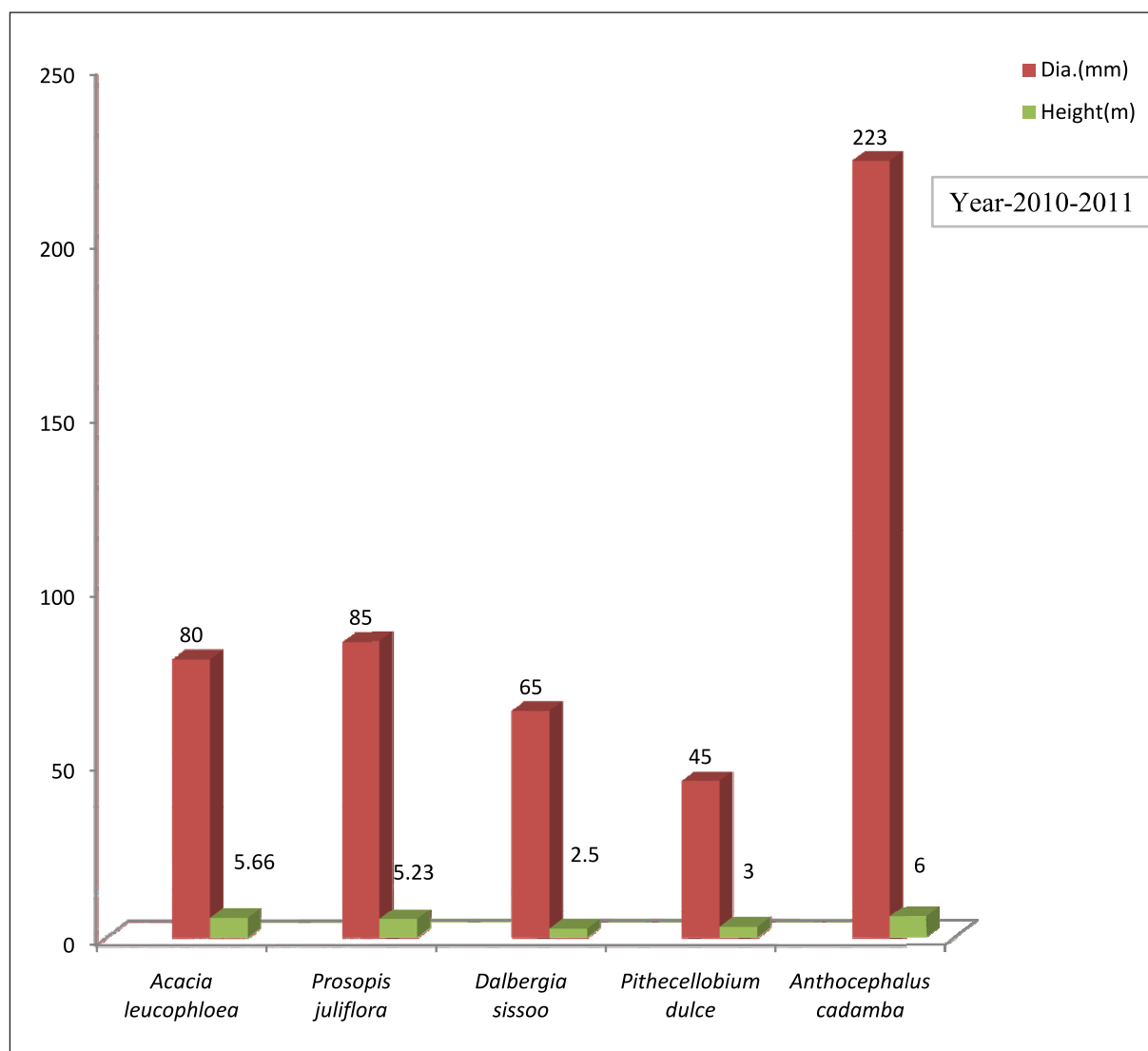
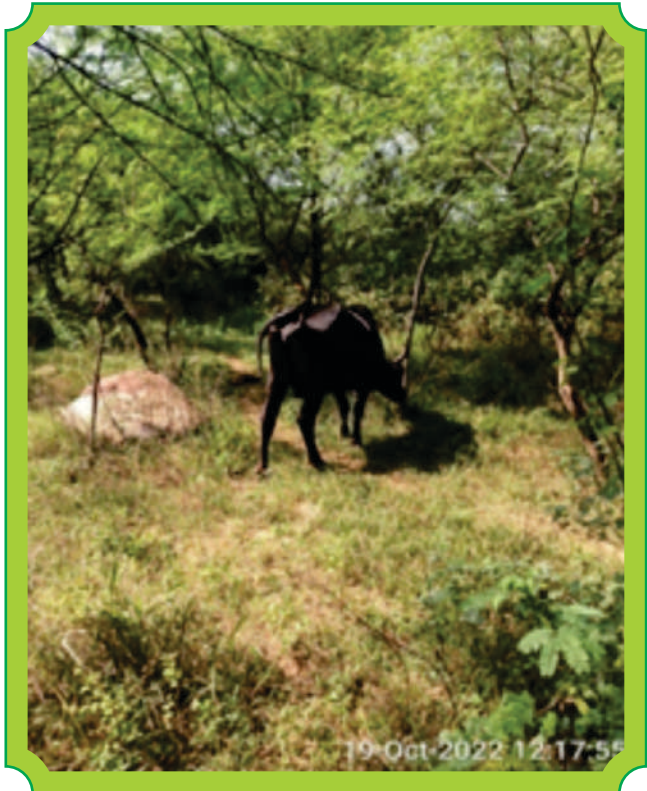


Figure 3.6: Plantation growth under Delhi CAMPA in Asola Bhatti.



Laying out sample plot at plantation site



Cattle grazing on plantation site



Field data collection by FRI team



Plantation view of Asola Bhatti site

Site 7: Shastri Park (near Bela Farm)

As the site was inaccessible due to flood so we can't comment on this particular site.



Water logging condition due to Yamuna



Photographs of flood affected area



Photographs of flood affected area



Photographs of flood affected area



Flood area in plantation site

CHAPTER

4

Lesson Learned and Recommendations

Lesson Learned and Recommendations

From the available evidence, the monitoring of the plantations conducted by FRI, Dehradun concluded that the scheme viz., CAMPA has been successfully able to promote afforestation and regeneration activities as a way of compensating for loss of green cover due to forest land diverted for non-forest uses.. The project activities will result in positive environment impacts and will also result in enhancing biological richness.

4.1 Lesson learned

The monitoring and evaluation of plantations highlighted following lessons, which may require follow-up action to enhance future outcomes and outputs:-

1. Plantation record maintenance: The present analysis found that records of some of the plantations sites were not available with the department. This is a serious problem with respect to monitoring and future implementation of the activities. Only numbers of plants, name of the sites and GIS maps were shown.
2. Protection of plantations: The field data indicate that at many sites the plants were found damaged due to wild animals and stray cattle. The fencing was not found in many plantation sites while fencing is mandatory in every new plantation site. The protection measures like effective fencing need to be enhanced in providing protection to the newly planted samplings. The plants raised on the bank of river Yamuna are also prone to damage by flood during rainy season. Effective protection measures like Soil Moisture Conservation (SMC) works and creation of grass ways at the river bank for the protection of these plants form damage caused by the flood.
3. Soil and water conservation: It was also found that soil and water conservation measures were feeble considering the fact that such measures were not adopted in majority of the sites. The soil and water conservation measures are important for enhancing the productivity of the land, recharge water table and improve the water regime in the plantation sites. In the long run, such measures play significant role in improving the survival rate of plantations by improving the productivity and by increasing soil moisture content. It would be prudent, if the soil and water conservation component is compulsorily included in the plantation programmes and annual work plans.
4. GIS and remote sensing: It was observed that the GIS based planning has not been adopted for taking up plantation and soil and water conservation activities in sites selected for plantation. With the simple and easy to use GIS based technology, it becomes very easy to map all plantation patches for further review, monitoring and assessment on regular basis.

5.2. Recommendations

Although the findings of the plantation monitoring presents an encouraging picture, however there are several steps which are suggested be taken up to enhance the outcomes and outputs of the plantation activity in future.

1. Site specific Annual Plan of Operations (APO) for the plantation: It is imperative to conduct site suitability analysis of the sites well in advance before taking up plantation activities. The

advance plantations works should be started after observation of suitability of sites for the plantations. The parameters such as soil characteristics, species suitability, topographic and locality factors should be considered under such assessments prior to plantation planning in a site. It was observed that some sites are not suitable for plantations as people throw garbage in plantation's area and stray cattle menace was also seen. Officials at field level should keep good liaison with people to protect the plantation from grazing or other such biotic pressures.

2. Use of Remote Sensing and GIS: The degraded lands affected by various land degradation drivers such as salinity, erosion, alkalinity, and water logging in the state should be mapped. Such degraded lands can be reclaimed and rehabilitated by taking up appropriate plantation activities. The GIS and remote sensing techniques are considered to be very helpful in providing more realistic and measurable data.
3. Adoption of Suitable Silvicultural Practices: Evidences from the field surveys and data analysis suggests that the plantation forestry is likely to be sustainable in terms of wood yield in most of the sites provided good practices are maintained. Adoption of improvised silvicultural techniques and plantation of native species may further enhance crop productivity. Since, silvicultural practices and species selection are geared to increase the speed of tree growth and shortening rotation periods which is imperative to achieve the goals and targets stated in the State Forest Policy, Fast grown trees like Bakain (*Melia dubia*) need to be pruned as those trees produced 2-3 leaders from the ground level. Singling will improve growth of trees. Plant to plant spacing of 3 m x 3 m should strictly be followed. Thinning in plantation should be carried out to maintain proper spacing of plants. Weeds like Parthenium, Lantana, Cannabis and Bathu (*Chenopodium*) and mesquite trees have assumed alarming proportions at many sites. These should preferably be removed before flowering, or before seed formation starts in these weeds. The mesquite can gradually be removed by shortening of crown and checking regeneration. The regeneration of native species should be encouraged and protected if natural regeneration is coming up in the forests. Areas with natural regeneration should be selected and only assisted natural regeneration (ANR) activities should be carried.
4. Research needs: Rapid assessment of biological richness in the plantation sites need to understand the impact of plantation on biodiversity. The climate change mitigation aspect of the plantations should also need to be assessed as per the area of plantations.
5. Plantation of medicinal and aromatic plants: It is imperative to cultivate medicinal and aromatic plants considering their conservation importance and its economic benefits for the local communities.
6. Plantation of multi purposes tree species (MPTS): The MPTS plantations will be of significant importance in meeting the local needs and for providing alternative livelihood options for the forest dependent communities. The MPTS plantations will also result in enhancing the local's economic conditions.
7. Avoid plantation with exotics: It is observed that few exotic species like, Acacia

auriculiformis, A. leucophloea, Callistemon viminalis etc. have been planted. The exotic species should be avoided as they are not fit for enhancement of biodiversity. Mixture of native species should be given preference so as to increase biodiversity and ecosystem services. (May be rechecked as plantation of exotic species is not undertaken).

8. Proper plantation inventory maintenance: Proper inventory of plantation activities are essential on all plantation sites to track issues, pitfall and for course correction for enhancing outcomes.
9. Capacity building and training of field staff involved in plantation activities: The field staff needs to be trained with respect to the latest plantation techniques and in forest fire control. Their capacity need to be enhanced on latest advancements in the field of plantation forestry. Training can be provided at Forest Research Institute, Dehradun in afforestation techniques and forest fire management to front line staff to increase their capacity for conducting field works in more efficient way. The training should be a part of afforestation activities.
10. Location specific plantations in consultation with the stakeholder: There is a need to have stakeholders' consultation before selecting the plantation species so as to meet the local people's desire and needs.
11. Adoption of best practices on land reclamation and restoration: The best practices developed elsewhere with similar geographic conditions should be adopted for plantation activities and for enhancing soil moisture regime in the state.
12. Enhancement of natural regeneration: Assisted Natural Regeneration (ANR) operations should be carried out where regeneration of species is not a problem. Natural regeneration is generally observed in Neem, Beri (*Ziziphus mauritania*), Mulberry, Babul, Khajoor (Date palm), Shisham and Burma dreg.

Appendix-I

1. Geo-Coordinates of Central Forest Division

i. Anand Vihar range

Site No.1: Yamuna bank (near P.W.D. Office) 2019-2020, 1.81 ha. (site name as above)

Plot No.	Latitude	Longitude
	North	East
1.	28° 36' 9.38"	77° 16' 13.71"
2.	28° 36' 08.01"	77° 16' 10.91"

ii. Anand Vihar range

Site No. 2: Yamuna bank (near P.W.D. Office) 2020-2021, 10.0 ha. (site name as above)

Plot No.	Latitude	Longitude
	North	East
1.	28° 35' 02.90"	77° 16' 08.28"
2.	28° 36' 02.64"	77° 16' 09.70"
3.	28° 35' 59.54"	77° 16' 06.25"
4.	28° 35' 56.98"	77° 16' 09.05"
5.	28° 35' 55.72"	77° 16' 04.10"
6.	28° 35' 58.69"	77° 16' 03.62"
7.	28° 36' 00.87"	77° 15' 59.23"
8.	28° 35' 58.25"	77° 16' 08.09"
9.	28° 36' 01.72"	77° 16' 11.89"
10.	28° 35' 55.27"	77° 16' 06.51"

iii. Anand Vihar range

Site No. 3: Yamuna bank metro station, 2020-2021, 35.73 ha. (site name as above)

Plot No.	Latitude	Longitude
	North	East
1.	28° 37' 25.72"	77° 16' 18.88"
2.	28° 37' 18.20"	77° 16' 21.64"
3.	28° 37' 13.09"	77° 16' 24.50"
4.	28° 37' 09.97"	77° 16' 16.06"
5.	28° 37' 06.61"	77°16' 06.21"
6.	28° 37' 16.78"	77° 16' 06.49"
7.	28° 37' 21.17"	77° 16' 17.54"
8.	28° 37' 19.69"	77° 16' 13.75"
9.	28° 37' 13.05"	77° 16' 03.15"
10.	28°37' 19.21"	77°16 '13.67"
11.	28°37'09.57"	77°16' 22.00"
12.	28°37'18.51"	77°16' 9.69"
13.	28°37'7.71"	77°16' 13.84"
14.	28°37'13.24"	77°16' 10.35"
15.	28°37'15.53"	77°15' 55.76"
16.	28°37'11.86"	77°15' 55.65"
17.	28°37'12.14"	77°15' 49.14"
18.	28°37'4.79"	77°16' 15.04"
19.	28°37'7.61"	77°16' 0.23"
20.	28°37'8.52"	77°15' 50.49"

iv. Shastri park range

Site No. 4: Shastri park-near metro station, 2015-2016, 8.354 ha. (site name as above)

Plot No.	Latitude	Longitude
	North	East
1.	28° 40' 00.62"	77° 16' 08.28"
2.	28° 40' 03.41"	77° 14' 55.49"
3.	28° 40' 04.24"	77° 14' 49.97"
4.	28° 40' 00.69"	77° 14' 59.65"
5.	28° 43' 52.67"	77° 06' 03.91'
6.	28° 40' 03.41"	77° 14' 55.49"
7.	28° 41' 04.06"	77° 15' 22.77"
8.	28° 39' 47.22"	77° 15' 44.63"

2. Geo-Coordinates of North Forest Division

i. Nangloi range

Site No. 5: Nangloi sewage treatment plant/ DSC pump house, 2015-2016, 0.28 ha. (site name as above)

Plot No.	Latitude	Longitude
	North	East
1.	28° 43' 52. 67"	77° 06' 03.91"
2.	28° 36' 08.01"	77° 16' 10.91"

3. Geo-Coordinates of South Forest Division
i. Asola Bhatti range

Plot No.	Latitude	Longitude
	North	East
1.	28° 27' 19.44"	77° 13' 50.32"
2.	28° 27' 06.50"	77° 13' 41.26"
3.	28° 26' 56.99"	77° 13' 40.12"
4.	28° 26' 45.10"	77° 13' 37.61"
5.	28° 26' 33.76"	77° 13' 35.08"
6.	28° 26' 26.34"	77° 13' 53.55"
7.	28° 26' 28.79"	77 13' 48.30"
8.	28° 26' 24.45"	77 13' 51.80"
9.	28° 26' 21.33"	77 13' 37.66"
10.	28° 26' 23.47"	77° 13' 51.85"
11.	28° 26' 23.55"	77° 13' 46.36"
12.	28° 26' 23.47"	77° 13' 51.85"
13.	28° 26' 38.56"	77° 14' 00.41"
14.	28° 26' 38.16"	77° 14' 14.05"
15.	28° 26' 41.73"	77° 14' 29.69"
16.	28° 26' 31.90"	77° 14' 00.23"
17.	28° 26' 58.80"	77° 14' 37.96"
18.	28° 26' 55.70"	77° 14' 23.54"
19.	28°25 '36.09"	77°14 '50.75"
20.	28°27' 27.03"	77°12' 18.04"

3. Geo-Coordinates of Central Forest Division

i. Shastri park range

Site No. 7: Near Bela Farm, 2016-2017, 19.9 ha. (site name as above)

This site was inaccessible due to flood.

Plot No.	Latitude	Longitude
	North	East
1.	28° 40' 29.31"	77° 14' 55.08"
2.	28° 40' 29.46"	77° 14' 55.10"

Format for Data Collection

Field form for Monitoring & Evaluation of Plantations under Delhi CAMPA

1.	General			
	Name of Forest Circle			
	Name of Forest Division			
	Name of Forest Range			
	Name of Forest Beat			
	Name of Plantation Site			
2.	GPS Location of the Sample Plots			
	Plot No.	Latitude (in Degree Minute Second)	Longitude (in Degree Minute Second)	
	1.			
	2.			
	3.			
	4.			
	5.			
	6.			
	7.			
	8.			
	9.			
	10.			
3.	Observation of area of plantation as per GPS (ha)			
4.	Type of Forest Plantation (Tick \checkmark)			
	i. Degraded Forest		ii. Enrichment Planting	
	iii. Assisted Natural Regeneration		iv. Saline/Alkaline	
	v. SMC		vi Others	
5.	Technique of planting (Tick \checkmark)			

	i) Pit Planting		ii) Ridge Planting	
	iii) Auger Hole Planting		iv) Trench-cum-Pit	

			Planting		
	v) Others				
6.	Area of Forest Plantation as per plantation journal (ha)				
7.	Species planted on site				
	1.		3.		
	2.		4.		
8.	Species planted as per plantation journal/record				
	1.		3.		
	2.		4.		
9.	Suitability of species to sites				
10.	Fencing and Protection works				
	i) Type of Fencing Used (Tick ✓)	Stone wall fencing		Barbed wire	
		Electric Fencing		Live fencing	
		Trench Fencing		Social Fencing	
		Others		No Fencing	
	ii) Effectiveness of fencing				
	iii) Forest Fire Protection measures				
	iv) Engagement of watchman /policing				
11.	Suitability of selected plantation area with respect to objectives				
	Criteria	Indicator			

	i) Terrain ii) Soil wealth iii) Grazing intensity iv) Forest Fire incidences v) Human Interference vi) Intensity of wind vii) Irrigation facility	
12.	Assessment of work as seen in the field	
	Criteria	Indicator

	i) Spacing of plants ii) Size of pit iii) Trench-Ridge iv) Terracing v) Soil working vi) Hoeing vii) Weeding				
13.	Species composition	i) Mixed		ii) Monoculture	
14.	Age, Height and Survival percentage of the plants (species wise)				
	S.N.	Species	Age (years)	Height (m)	Survival %
	1.				
	2.				
	3.				
	4.				
	5.				
15.	Soil and moisture conservation works (Tick √)				
	i) Stony Check dams		ii) Walls		
	iii) Crate wire check dams		iv) Local check dams		
	v) Others				
	Effectiveness of soil and moisture conservation works				
16.	Health of the plants				

	Criteria	Indicator
	i) Good/Bad ii) Insect attack iii) Disease attack iv) Water stress v) Lodging of plants vi) Plant competition vii) Browsing viii) Lopping ix) Illegal felling	

17.	Increase in availability of biomass	
	Criteria	Indicator
	i) Fuel wood ii) Fodder iii) Small timber iv) NTFPs v) Carbon sequestration	
18.	Maintenance of records	
	Criteria	Indicator
	i) Availability of plantation journals ii) Posting of up to date information and survey sketch map of plantation iii) Records of visits of officers like DFOs, CFs or CCFs etc. iv) Records of officers	
19.	Suggestion for improvement from evaluating agency	
	Criteria	Indicator

संख्या:6-173/Res/2025/AS(G) /340

वन संवर्धन एवं प्रबन्धन प्रभाग

वन अनुसंधान संस्थान

(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद)

डाकघर न्यू फॉरेस्ट, देहरादून-248006

दिनांक 11.04.2025

सेवा मे,

Additional Principal Chief Conservator of Forests
Department of Forest and Wildlife,
Government of National Capital Territory of Delhi.

विषय: Revised budget for Tree Census and Preparation of Action for enhancing the Green Cover of NCT of Delhi reg.

संदर्भ : Order of Hon'ble Supreme Court of India dated 26.03.2025 in Writ Petition (s) (Civil) No.(s) 4677/1985 in case of M.C. Mehta vs. Union of India & others.

महोदय,

कृपया उपर्युक्त माननीय सर्वोच्च न्यायालय के आदेश दिनांक 26.03.2025 के अनुपालन में राष्ट्रीय राजधानी क्षेत्र दिल्ली के वृक्ष गणना (Tree Census) एवं हरित आवरण को बढ़ाने की तैयारी के लिए संशोधित बजट (प्रतिलिपि संलग्न) प्रेषित है ।

अतः आपसे अनुरोध है कि उक्त के संबंध में आवश्यक कार्रवाई हेतु धनराशि जारी की जाए ।

संलग्न: उपरोक्तानुसार

भवदीया

प्रभाग प्रमुख

वन संवर्धन एवं प्रबंधन प्रभाग
वन अनुसंधान संस्थान, देहरादून

Annexure-I

**REVISED BUDGET ESTIMATE FOR PREPARATION OF
ACTION PLAN (PHASE-1 & PHASE-2) FOR TREE
CENSUS IN NCT OF DELHI**

Sr. No.	Items/Activities	Rs. (in lakhs)
A	Phase-1: Standardization of Methodology	
	Establishment of Tree Cell at FRI, Engagement of Manpower and Procurement	
	Senior Consultant	20.00
	Project Scientist	15.04
	Research Associate-III (Geospatial Analyst)	12.96
	Junior Project Fellows	8.64
	Project Assistants	48.00
	Skilled Computer Operators	9.60
	Skilled Manpower	4.80
	Semi-Skilled Manpower	8.96
	Minor Field Equipment	3.00
	Procurement of High Resolution Satellite Data*	10.00
	Procurement of Work Stations/GPS/ Cameras/ Survey of India Toposheet /Printers/Vehicles	50.00
	Field Level Survey, Assessments and Validation	10.00
	Personal Digital Assistant (PDA)	5.00
	Kit for Field Personnel	3.00
	Consultative Process/Meetings**	3.00
	Delineation of Census Units and Organisation of	10.00

(Signature)
11/04/25

Sr. No.	Items/Activities	Rs. (in lakhs)
	Tree Census	
	Geo-Spatial Baseline Maps for Enumeration Teams	2.00
	Development of Mobile App, Web Portal and Digital Database for Tree Census***	20.00
	Printing of Protocol and Guidelines on Tree Census	1.00
	Communication, Publicity and Awareness****	0.00
	Capacity Building	5.00
	Tree Census Pilot Trial Logistics and Field Expenses	10.00
	Travel/Transportation Expenses	30.00
	Office Expenses	5.00
B	Phase-2: Development of Action Plan for Tree Census	
	Preparation of Report on Pilot Trial and Feedback	2.50
	Finalisation of Action Plan	5.00
	Printing of Final Action Plan	25.00
C	Contingency	15.00
Total (A+B+C)		342.50
Institutional Charges @15%		51.38
Grand Total		393.88

*The cost on Procurement of High Resolution Satellite Data is vital and prerequisite for planning of Tree Census in NCT of Delhi. This cost has also been included in budget submitted by FRI on Preparation of Action Plan for Enhancing the Green Cover in Area under Government of National Capital Territory of Delhi


Alu
11/04/25

(GNCTD). However, this expense will be incurred in only one Action Plan and duplication of expense will be avoided.

****Consultative Process/Meetings** will be organised by Tree Authority, NCT of Delhi at their own cost as per the direction of the Hon'ble Supreme Court order dated 26.03.2025 *para No. 5*. A nominal amount has been kept by FRI for meetings to be carried out at Dehradun.

*****NIC Delhi** has been contacted for development of Mobile App, Web Portal and Digital Database for Tree Census. The amount in this regard may increase or decrease based on the NIC requirement.

******No budget** has been provisioned for Communication, Publicity and Awareness by FRI. This activity will be undertaken by the Tree Authority, NCT of Delhi.


11/04/25

Annexure-II

**REVISED BUDGET ESTIMATE FOR PREPARATION OF
ACTION PLAN (PHASE-1) FOR ENHANCING GREEN
COVER IN AREA UNDER GNCTD**

Sr. No	Items/Activities	Amount (in lakhs)
A	Consultative Process and Coordination with Implementing Agencies	
*A.1	Meetings of High Level Steering Committee (HLSC)	0.00
*A.2	Meeting of Central Ministries and National level organizations	0.00
*A.3	Meetings with State level organizations in NCT Delhi (District level agencies, MCD, NDMC, DDA etc.)	0.00
*A.4	Meeting with Scientific and academic organizations in NCT Delhi	0.00
*A.5	Meetings with RWAs, Civil societies, Industrial estates, NGOs and other stakeholders	0.00
A.6	Consultative meetings by FRI for finalisation of Methodology	5.00
*A.7	Workshop on sharing draft Action Plan, feedback and finalization of Action Plan	0.00
	Sub Total (A)	5.00
B	Geospatial Analysis and Field Assessments	
B.1	Procurement of high-resolution **satellite data/ Drone data	10.00
B.2	Procurement of Workstations/GPS/ Cameras/ Survey of India toposheets/Printers/Vehicle	50.00
B.3	Field level survey, Assessments and Validation	17.00
B.4	Development of GIS database	10.00
B.5	Scientific equipments for pilot studies	18.00
	Sub Total (B1 to B5)	105.00
B.6	Hiring of Manpower	
	Project Scientist-01	11.28
	Research Associate-III (Geospatial Analyst)-01	9.72

Ans
11/04/25

Sr. No	Items/Activities	Amount (in lakhs)
	Junior Project Fellow-04	11.52
	Project Assistants-04	9.60
	Skilled Computer Operators -02	7.20
	Skilled manpower-01	3.60
	Semi-Skilled manpower-02	6.72
	Sub Total (B6)	59.64
C	Plan Preparation	
C.1	Senior Consultant-01	15.00
C.2	Skilled Computer Operator-01	7.50
C.3	Research Associate-01	12.00
	Sub Total (C)	34.50
D	Development and maintenance of MIS dashboard	10.00
E	Travel and transportation	30.00
F	Honorarium/consultative charges for experts	6.00
G	Printing of Action Plan	15.00
H	Contingency	6.00
	Sub Total (D to H)	67.00
	Total	271.14
	Institutional Charges @15%	40.67
	Grand Total	311.81

*Consultative Process/Meetings will be organised by Delhi Forest Department GNCTD at their own cost. A nominal amount has been kept by FRI for meetings to be carried out at Dehradun.

**The cost on Procurement of High Resolution Satellite Data is vital and prerequisite for planning of Preparation of Action Plan for Enhancing the Green Cover in Area under Government of National Capital Territory of Delhi (GNCTD). This cost has also been included in budget submitted by FRI on Tree Census. However, this expense will be incurred in only one Action Plan and duplication of expense will be avoided.

Handwritten signature and date:
17/04/25

S U P R E M E C O U R T O F I N D I A
RECORD OF PROCEEDINGSWRIT PETITION(S)(CIVIL) NO(S). 4677/1985

M.C.MEHTA

Petitioner(s)

VERSUS

UNION OF INDIA & ORS.

Respondent(s)

IN RE: GREENING AND CONNECTED ISSUES IN RE: TREE AUTHORITY AND 1) I.A. NO. 2768/2016 (APPLN. FOR DIRECTIONS FILED BY A.C.) 2) I.A. NOS. 181186 AND 181193/2022 (APPLNS. FOR INTERVENTION AND DIRECTIONS ON B/O KAMAL TANWAR) IN W.P. (C) NO. 4677/1985 "ONLY" ARE LISTED "ONLY"; NAMES OF FOLLOWING ADVOCATES MAY BE TREATED TO HAVE BEEN SHOWN IN THE LIST : MR. S GURU KRISHNA KUMAR, SR. ADVOCATE (A.C.) MS. ANITHA SHENOY, SR. ADVOCATE (A.C.) MR. A.D.N. RAO, SR. ADVOCATE (A.C.) MR. SIDDHARTHA CHOWDHURY, ADVOCATE (A.C.) PETITIONER-IN-PERSON MR. G.S. MAKKER, MR. AMRISH KUMAR, MR. PRAVEEN SWARUP, MR. NISHIT AGRAWAL, MR. CHIRAG M. SHROFF, MR. SURYA KANT, MR. DEVANSHU KUMAR DEVESH, MS. ROOH-E-HINA DUA, ADVOCATES MR. KAUSHAL YADAV, MS. RAKHI RAY, ADVOCATES

Date : 26-03-2025 This petition was called on for hearing today.

CORAM :

HON'BLE MR. JUSTICE ABHAY S. OKA
HON'BLE MR. JUSTICE UJJAL BHUYAN

Mr. S Guru Krishna Kumar, Sr. Adv. (A.C.)
Ms. Anitha Shenoy, Sr. Adv. (A.C.)
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Ms. Ayushma Awasthi, Adv.
Mr. Ashwin K., Adv.
Mr. Vishesh Goel, Adv.
Ms. Sanjana Grace Thomas, Adv.
Ms. Tara Elizabeth Kurien, Adv.

For Petitioner(s): Petitioner-in-person

For Respondent(s): Mr. Tushar Mehta, Solicitor General
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Ms. Smita Maan, AOR

Mr. Tarun Gupta, AOR

Mr. Abhinav Shrivastava, AOR

Mr. Kunal Mimani, AOR
Mr. Prashant Alia, Adv.

Mr. Divyanshu Kumar Srivastava, AOR
Mr. Aryan Racch, Adv.

UPON hearing the counsel the Court made the following
O R D E R

REPORT NOS. 10 AND 11 OF 2025

1. List on 8th April, 2025.

IN RE: TREE CENSUS

2. On 19th December, 2024, directions were issued by this Court for conducting tree census. The Forest Research Institute (for short, "the FRI") has been appointed to do the said task. A detailed affidavit dated 15th March, 2025 has been filed by an officer of the FRI. It is suggested that while conducting the census of trees, the definition of 'tree' adopted by the Forest Survey of India (for short, "the FSI") needs to be considered. It is pointed out that the definition of 'tree' under the Delhi Preservation of Trees Act, 1994 is ambiguous. We, therefore, direct the FRI to adopt the definition of 'tree' as defined by the FSI which is incorporated in paragraph 2 of its affidavit.

3. We have carefully perused the action plan proposed by the FRI which is divided into three phases. We request the FRI to reconsider the duration of 15 months proposed for Phase-1 so that the work of tree census can be expedited.

4. As regards the constitution of a High Power Committee (for short, "the HPC"), we are of the view that if the High Power

Committee consists of 23 members, as suggested by the FRI, the Committee will become unwieldy and it will be very difficult to conduct regular meetings. Therefore, in modification of what is stated in paragraph 4(ii) of the affidavit filed by the FRI, we direct that the HPC shall consist of following entities mentioned at Item Nos.1 to 7, 17 and 18, which read thus:

- i. Tree Authority, NCT of Delhi
- ii. Forest Department, GNCTD – Member Convener
- iii. Forest Research Institute, Dehradun
- iv. Shri Ishwar Singh, Nominated Expert
- v. Shri Sunil Limaye, Nominated Expert
- vi. Shri Pradip Kishen, Nominated Expert
- vii. Union Ministry of Environment, Forest and Climate Change
- xvii. Delhi Development Authority, GNCTD
- xviii. Municipal Corporation of Delhi

If the FRI or the HPC requires presence of any entity for a particular reason in the meeting of the HPC, a requisition can be sent to the concerned entity to remain present and cooperate. Even as regards Phase-2, the timeline is reasonable. However, as regards Phase-3, the timeline of 24 months provided may be too long. Therefore, we direct the FRI to consider if it can be curtailed.

5. We have perused the budget estimates for preparation of action plan (Phase-1 and Phase-2). We find that certain proposals are on the higher side. As far as the development of mobile app, web portal and digital database for tree census is concerned, the FRI can consider of taking assistance of Central Government agencies like National Informatics Centre (NIC). We request the FRI to have a re-look at the budget for Phases 1 and 2 and submit a modified budget to the Delhi Government within a maximum period of one month from today. We direct the Delhi Government, after receiving the budget from the FRI, to release a part of the amount claimed in the budget estimates so that the implementation of Phase-1 can start immediately. Even if the Delhi Government has any queries, the same can be dealt with. However, the release of the first installment of the amount required for Phase-1 should not be delayed. The order dated 19th December, 2024 provides for utilisation of Compensatory Afforestation Fund for meeting the expenses for the tree census.

IN RE: GREEN COVER

6. We have perused the affidavit filed by the FRI dealing with the directions issued by this Court on 17th February, 2025 regarding action plan for enhancing the green cover of Delhi. The FRI has stated that preparation of action plan incorporating planning and strategy development will take 12 months from the date of release of funds to the FRI. The budgetary requirements are also set out. We make it clear that while preparing the action plan, the FRI need not remain confined to what is suggested by this Court as they are

aware of the very object of preparation of the action plan. The FRI has proposed constitution of a High Level Steering Committee (for short, "the HLSC") under the Chairmanship of the Chief Secretary of the Delhi Government consisting of 18 stakeholders. We suggest that either the strength of the HLSC can be trimmed to maximum five members or, whenever required, the FRI can always request the concerned entities to appear and assist the FRI in the meetings. We request the FRI to make necessary modifications within a period of one month from today.

7. Now coming to the proposal of Phase-1 (Planning and Strategy Development) in Annexure-I, in paragraph 3 laying down the objectives, it is proposed for enhancing the green cover to achieve a target of 33% of geographical area. The endeavour should be to achieve the target of 33% or even more than that of tree/forest cover.

8. We have perused the budget submitted by the FRI. We request the FRI to have a re-look at the budget as regards the activities at Serial No.A. As far as Serial No.A.1 to A.6 are concerned, the FRI can always request the Delhi Government or the other stakeholders in Delhi to make arrangements for meetings at the cost of the Delhi Government or the said entities. We direct the FRI to submit a fresh budget proposal to the Delhi Government. After the revised budget is submitted, the Delhi Government shall, at the earliest, release the first installment of the amount so that the implementation of Phase-1 action plan can start. We are also informed that even the Delhi Government has already engaged the services of the FRI for drafting the working plan for the NCT. To

avoid duplication of work, we direct that while preparing the action plan in terms of the directions issued by this Court, the FRI shall also deal with the working plan and shall incorporate the relevant provisions thereof in the action plan.

9. A further affidavit of compliance shall be filed by the FRI by the end of June 2025. Copies thereof be submitted as usual to the office of the learned Amici Curiae.

I.A. NO. 2768/2016 (APPLN. FOR DIRECTIONS FILED BY A.C.)

10. We have perused the affidavit filed by the Municipal Corporation of Delhi. We direct the Municipal Corporation of Delhi to place on record how many unsealed structures are covered by the National Capital Territory of Delhi Laws (Special Provisions) Second (Amendment) Act which according to the Municipal Corporation protects unauthorised construction that existed prior to 1st June, 2014. We direct the Delhi Government to file a specific affidavit on this aspect which will also state what action has been initiated for demolition of those properties which are not covered by the Amendment Act.

11. The Municipal Corporation of Delhi has placed reliance on the PM Uday Scheme in paragraph 8 of its affidavit. We direct the Municipal Corporation of Delhi to place on record a copy of the PM Uday Scheme.

12. An affidavit by the Municipal Corporation of Delhi in terms of this order shall be filed within a period of two weeks from today which will be considered on 29th April, 2025 at 3:00 p.m.

I.A. NOS. 181186 AND 181193/2022 (APPLNS. FOR INTERVENTION AND DIRECTIONS ON B/O KAMAL TANWAR) AND IA NOS.65437 (INTERVENTION/IMPLEADMENT) AND 69800/2022 (CLARIFICATION/DIRECTION)

13. List on 16th April, 2025 at 12:00 noon.

(ASHISH KONDLE)
ASTT. REGISTRAR-cum-PS

(AVGV RAMU)
COURT MASTER (NSH)