

DR. BHIM RAO AMBEDKAR COLLEGE

(University of Delhi)

GREEN ACTION PLAN

1. Introduction

This Green Action Plan documents the tree cover maintained on the campus of Dr. Bhim Rao Ambedkar College, University of Delhi, from the commencement of the College in **2001** up to the census dated **July 2017**, and the subsequent changes in green cover to date. As per the on-campus tree census chart, the campus held **521 trees across 48 species** as of July 2017.

2. Species-wise Tree Inventory

The following table reproduces all information recorded on the campus tree census chart, namely the serial number, Hindi name, English name, botanical (scientific) name and the number of trees of each species.

S. No.	Hindi Name	English Name	Botanical Name	No. of Trees
1	विलैतल	Devil	Alstonia scholaris	162
2	घुघरबन गुड्डा	Ficus Nudda	Ficus benjamina 'nudda'	60
3	अशोक	Ashok	Polyalthia longifolia 'pendula'	46
4	ताड़ी पाम	Royal Palm	Roystonea regia	29
5	मछली पाम	Fishtail Palm	Caryota urens	18
6	नीम	Neem	Azadirachta indica	18
7	शहतूत	Mulberry	Morus alba	21
8	अशोक	Ashok	Polyalthia longifolia	34
9	जावा फिग	Java Fig	Ficus benjamina	10
10	अर्जुन	Arjun	Terminalia arjuna	9
11	जामुन	Jamun	Syzygium cumini	7
12	कैम	Kaim	Mitragyna parviflora	6
13	बेल	Bel	Aegle marmelos	6
14	कचनार	Bauhinia	Bauhinia purpurea	6
15	शीशम	Delbergia	Delbergia sissoo	8
16	चम्पा	Plumeria	Plumeria lutea	7
17	अमलतास	Golden Shower	Cassia fistula	5
18	जूनिपर	Juniperus	Juniperus chinensis	4
19	बकायन	Chinaberry	Melia azedarach	3
20	अमरूद	Guava	Psidium guajava	6
21	अनार	Pomegranate	Punica granatum	3

S. No.	Hindi Name	English Name	Botanical Name	No. of Trees
22	साइकस	Cycus	Cycus revoluta	2
23	गुलमोहर	Delonix	Delonix regia	2
24	बरगद	Banyan Tree	Ficus banghalensis	2
25	पिलखन	Pilkhan	Ficus infectoria	2
26	पीपल	Pipal	Ficus religiosa	4
27	आम	Mango	Mangifera indica	5
28	इमली	Tamarindus	Tamarindus indica	2
29	गूलर	Goolar	Ficus racemosa	2
30	बहेड़ा	Baheda	Terminalia bellirica	2
31	कटहल	Jack Fruit	Artocarpus heterophyllus	4
32	कनक चम्पा	Kanak Champa	Petrospermum acerifolium	2
33	कटसागन	Katsagan	Haplophragma adenophyllum	2
34	संतरा	Orange	Citrus reticulata	2
35	फिकस कटोरिया	Ficus benjamina katoria	Ficus benjamina 'pandora'	2
36	पोनीटेल पाम	Ponytail Palm	Nolina recurvata	2
37	ल्यूकेना	Leucaena	Leucaena leucocephala	1
38	करंज	Karanj	Pongamia pinnata	1
39	बॉटलब्रश	Golden Bottlebrush	Melaleuca bracteata	1
40	शमी	Shami	Prosopis cineraria	1
41	आंवला	Aonla	Emblica officinalis	1
42	शरीफा	Custard Apple	Annona squamosa	1
43	नींबू	Citrus	Citrus limon	4
44	फीनिक्स पाम	Phoenix Palm	Phoenix roebelenii	1
45	मौसंबी	Sweet Orange	Citrus sinensis	1
46	चकोतरा	Grape Fruit	Citrus paradisi	2
47	सहजन	Sonjna	Moringa oleifera	1
48	गोल्डन बांस	Golden Bamboo	Phyllostachys aurea	1
Total trees				521

3. Trees Lost from July 2017 to Date

From July 2017 to the present date, a total of **100 trees** on the College campus have been lost / had to be removed. The principal reasons for the loss of these trees are as follows:

1. **Disease, pest and termite infestation** — several trees were affected by fungal disease, borer and termite attack, rendering them weak and beyond recovery.

2. **Storm, high winds and monsoon damage** — trees were uprooted or structurally damaged during heavy storms, gusty winds and monsoon spells.

The College has accounted for these losses and has undertaken compensatory plantation as detailed in the following section.

4. New Trees Planted from July 2017 to Date

To strengthen and replenish the campus green cover, the College has planted **157 new trees** since July 2017. The species-wise break-up of the fresh plantation is given below:

S. No.	Hindi Name	English Name	Botanical Name	No. of Trees
1	फलदार वृक्ष	Fruit-bearing trees (assorted)	—	50
2	अशोक	Ashoka (upright)	Polyalthia longifolia	13
3	अशोक (पेंडुला)	Ashoka (weeping / pendula)	Polyalthia longifolia 'pendula'	12
4	शरीफा	Custard Apple	Annona squamosa	5
5	हरसिंगार	Harsinghar (Night Jasmine)	Nyctanthes arbor-tristis	4
6	बांस	Bamboo	Bambusa spp.	5
7	फिकस पुंडे	Ficus Punde	Ficus benjamina 'pandora'	25
8	फिकस नुड्डा	Ficus Nudda	Ficus benjamina 'nudda'	25
9	करंज	Karanj	Pongamia pinnata	7
10	चम्पा	Champa	Plumeria spp.	5
11	कलिना	Kalina	Mitragyna parvifolia	6
Total trees				157

Thanks and regards,
Prof Sangeeta Sharma Dhaor
Nodal Officer,
Plantation