



SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Category - I Deemed to be University) Porur, Chennai

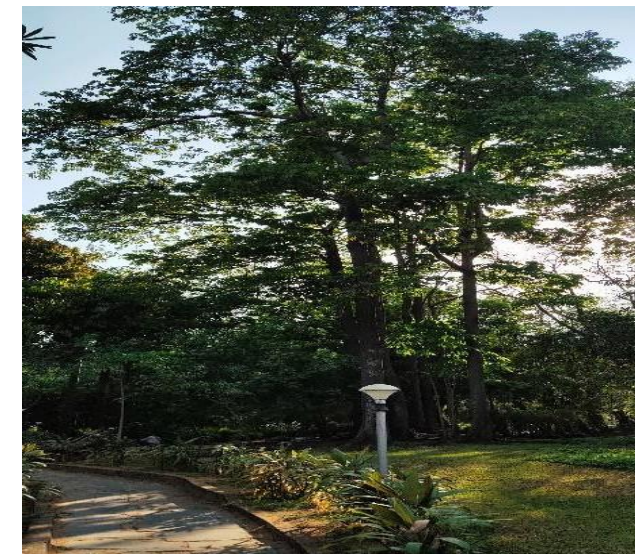
Number of trees planted

The total plot area is 669604.19 Sq.m. in which an area of 3,83,525.0 Sq.m (57.27%) will be provided for the landscape development which includes ornamental trees and shrubs.

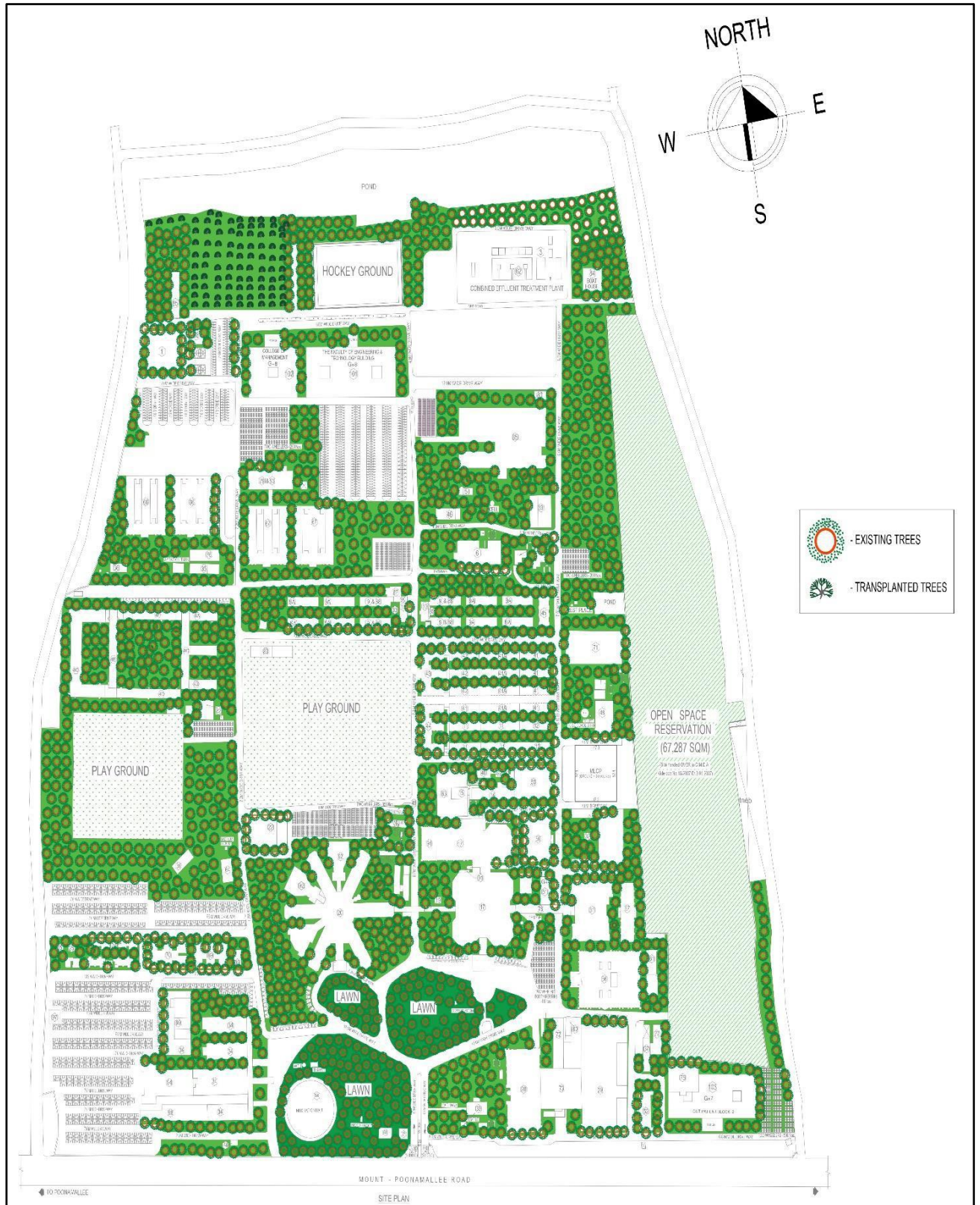
As per MOEF&CC - O.M F. No. 22-34/2018-IA.III – requirement 1 tree / 80 Sq.m of plot area. For the plot area of 669604.19 Sq.m. total trees required is 8,370 Nos. At present, there are around 8391 trees within the project site.

The quantity and the name of the species is given in the table below.

S. No	Scientific Name	Common Name	Qty (Nos.)
1	<i>Albizia Saman</i>	Rain Tree	516
2	<i>Ficus Religiosa</i>	Peepal tree	413
3	<i>Azadirachta Indica</i>	Neem tree	829
4	<i>Millettia Pinnata</i>	Pongame oiltree	562
5	<i>Cocos Nucifera L</i>	Coconut tree	1091
6	<i>Psidium Guajava</i>	Guava Tree	290
7	<i>Ficus Carica</i>	Fig Tree	31
8	<i>Ficus Benghalensis</i>	Banyan Tree	2
9	<i>Mangifera Indica</i>	Mango Tree	376
10	<i>Roystonea Regia</i>	Royal palm	312
11	<i>Phoenix Sylvestris</i>	Wild Date Palm	416
12	<i>Pisonia Grandis</i>	Cabbage Tree	347
13	<i>Acacia Auriculiformis</i>	Earleaf Acacia	324
14	<i>Filicium Decipiens</i>	Fern tree	506
15	<i>Delonix Regia</i>	Gulmohar	615
16	<i>Casia Fistula</i>	Golden Shower	414
17	<i>Sterculia Foetida</i>	Java Olive	136
18	<i>Terminalia Catappa L</i>	Indian Almod	131
19	<i>Syzygium cumini (L.)</i>	Jamun	153
20	<i>Barringtonia acutangula</i>	Freshwater Mangrove	111
21	<i>Putranjiva Roxburghii</i>	Putranjiva	112
22	<i>Pritchardia pacifica</i>	Fijl Fan palm	105
23	<i>Ixora Coccinea L.</i>	Flame of the woods	123
24	<i>Caryota urens L.</i>	Fishtall palm	49
25	<i>Araucaria Columnaris (G.Forst.) Hook</i>	Christmas Tree	133
26	<i>Areca Catechu L.</i>	Betel Plam	98
27	<i>Tecoma Stans</i>	Yellow Bells	81
29	<i>Cassia fistula</i>	Golden Shower Tree	43
30	<i>Borassus flabellifer</i>	Toddy palm	42
31	<i>Butea monosperma</i>	Flame of the forest	30
Total Number of trees			8391



Green Belt Layout inside the SRIHER campus



Green Belt Development Plan

The green belt will be developed as per the guidelines for developing green belt by CPCB, 2007. The plantation matrix adopted for the green belt development includes pit of 0.3 m × 0.3 m size with a spacing of 2 m x 2 m, For coconut trees 7 m x 7 m. In addition, earth filling and manure are also required for the proper nutritional balance and nourishment of the sapling. Existing trees in the proposed construction area will be transplanted to the nearby location

Plantation is taken up in a planned manner and the landscaping aspects will be taken into consideration. Plantation comprising of medium height trees (7 m to 10 m) and shrubs (5 m height) are considered for the green belt. In addition, creepers are planted along the boundary wall to enhance its insulation capacity.

Plant Species for Green Belt Development

The selection of plant species for the development depends on various factors such as climate, elevation and soil. The plants exhibit the following desirable characteristics in order to be selected for plantation

- Species tolerance to air pollutants like SO₂ and NO₂ should be preferred.
- Ability to withstand conditions like inundation and drought.
- Soil improving plants (Nitrogen fixing rapidly decomposable leaf litter).
- Attractive appearance with good flowering and fruit bearing.
- Bird and insect attracting tree species

Irrigation and management of green belt

A large team of people work under a supervisor and the following activities are performed.

- Periodical watering of the plants through manual and automatic sprinklers as per the needs of the plants.
- Tendering of the plants by removing the dried leaves at regular intervals.
- Planting of new trees, grass covers as per the expansion and developmental needs.

