

Green Belt Plantation

Plant species act as bio-monitoring agent to monitor the air environment as well as to keep and maintain the project environ healthy. Trees have substantial inter-specific as well as intra-specific variation in air pollution tolerance. Green Belt development / tree plantation in organized manner will be done through development of 33% green belt in the proposed project site.

It is suggested that local trees will be planted in the project site, to reduce the impact of proposed activities in the surroundings of the project site. The species that have history of good survival and growth under similar site conditions shall be planted. The native species shall be planted.

Table 9-1: Tolerant Plant Species For Green Belt Development

Sr. No	Tree	Sr. No	Shrubs & Bushes
1.	<i>Acacia nilotica</i>	1.	<i>Bougainvillea sp.</i>
2.	<i>Albizia lebbek</i>	2.	<i>Calotropis procera</i>
3.	<i>Alstonia macrophylla</i>	3.	<i>Psidium guajava</i>
4.	<i>Anthocephalus cadamba</i>	4.	<i>Lantana camara</i>
5.	<i>Artocarpus heterophylla</i>	5.	<i>Nerium odorum</i>
6.	<i>Azadirachta indica</i>	6.	<i>Jatropha.</i>
7.	<i>Bauhinia recemosa</i>	7.	<i>Ixora</i>
8.	<i>Butea monosperma</i>		
9.	<i>Cassia fistula</i>		
10.	<i>Delonix regia</i>		
11.	<i>Dalbergia sissoo</i>		
12.	<i>Ficus benghalensis</i>		
13.	<i>Lagerstroemia speciosa</i>		
14.	<i>Madhuca indica</i>		
15.	<i>Mangifera indica</i>		
16.	<i>Mimusops elengi</i>		
17.	<i>Michelia Champaca</i>		
18.	<i>Prosopis juliflora</i>		
19.	<i>Polyalthia longifolia</i>		
20.	<i>Pongamia piñnata</i>		
21.	<i>Syzygium cumini</i>		
22.	<i>Tamarindus indica</i>		
23.	<i>Terminalia cadamba</i>		
24.	<i>Tectona grandis</i>		

Suggested for Plantation

Species have been suggested by considering various biological and environmental role of the various plant species like Dust Control, Noise Control, Absorptions of Gases, Drought resistance, Fire Resistance etc. Some flowering herbs and subs have been suggested to enhance aesthetic beauty of the project site area. The total land area of project is 195514.35 m². The plantation will be carried out after the commencement of the project. The green belt to be developed in area of 6.45 ha i.e 33 % of total project area.