

Greenbelt Development Plan

The main objective of the greenbelt is to provide a barrier between the plant and the surrounding areas. The greenbelt helps to halt soil erosion, make the eco-system more sustainable, make the climate more conductive and restore water balance. The greenbelt helps to capture the fugitive emissions and to attenuate the noise generated in the plant apart from improving the aesthetics of the plant site.

The unit proposes to create the peripheral greenbelt within the project site as well as outside the project premises considering the CPCB guidelines.

Out of total plant area 13,028 m², Unit will develop thick greenbelt in 4,457 m² area (about 34 %). Considering the environmental status of project area four main parameters like salinity, draught, fire resistance, native species with faster growth rate and ever green nature have been considered while selecting the species. Facts considered during selection of plant species for greenbelt development are:

- ✓ Agro climatic zone (arid to semi-arid climate) of the project area
- ✓ Evergreen species to mitigate cumulative impacts due to other industries.
- ✓ Type of pollutant (mainly air) likely to disperse from project activities.
- ✓ Biological-filter Efficiency: Absorption of gases, Dust capturing and Noise control.

The green belt development program will go simultaneously in phased manner along with the civil activities. It may be noted that this activity demands expert advice and guidance. Details of the selected plant species for development of greenbelt are given in the **Table 1**.

Table 1: Details of Plant Species in Greenbelt

Common Name of Trees	Scientific Name	Number of Species
Neem	<i>Azadirachta Indica</i>	50
Gulmohar	<i>Delonix Regia</i>	50
Mango	<i>Mangifera Indica</i>	40

Common Name of Trees	Scientific Name	Number of Species
Asopalav	<i>Polyalthia Longifolia</i>	30
Shisham	<i>Dalbergia Sissoo</i>	25
Badam	<i>Sterculia Foetido Linn</i>	45
Garmalo	<i>Cassia Fistula</i>	30
Teak	<i>Tectono Grandis</i>	25
Shetur	<i>Morus Alba Linn.</i>	45
Shirish	<i>Albizio Lebbeck</i>	30
Kadam	<i>Anogeissus Lotifolio</i>	45
Guava	<i>Psidium Guayava Linn.</i>	35
Total Species		450

Proposed Three Years Program for Greenbelt Development				
Plantation Details	1 st Year	2 nd Year	3 rd Year	Total
No. of Plants	150	150	150	450