

GREEN BELT PLAN

The Company has developed the green belt area within the company premises in about 27393 m² area (about 35.72% area of total land) and outside the company premises. Greenbelt will also be developed in possible open land around the company premises. Following guidelines has been suggested & shall be followed by the company for greenbelt development & maintenance.

Guidelines for Greenbelt Development

- Design and development of greenbelt should be in adherence to industry-specific requirements and prevalent climatic conditions.
- Company shall ensure healthy & dense greenbelt throughout the project life.
- Company shall ensure greenbelt development & maintenance in the area required to comply with regulatory provisions and conditions of Environmental & other clearance.
- Company, if required, shall allocate more area for Greenbelt and develop dense evergreen vegetative cover in this area.
- Company shall follow CPCB guidelines for development & maintenance of greenbelt area
- Company shall ensure regular irrigation & fertilization of greenbelt area as required timely
- Company shall ensure re-plantation in greenbelt area depending upon the survival rate of planted vegetation to maintain greenbelt. The survival rate shall be ensured above 80% for plantation and replantation.
- Company shall plant trees with density of minimum about 2000 trees per hectare for developing the greenbelt area.
- Indigenous species with fast growth are only selected or form the base of selection as Green Belt can come in view as fast as possible.
- Company shall plant local species of trees & shrub for greenbelt development
- The trees shall be planted in three tiers pattern so as to ensure that the entire area gets covered and ensure effective pollution abatement. For this, management shall ensure that plantation of trees & shrubs shall include mixture of lower, higher and middle canopy structure, which shall be mixed appropriately / proportionately / uniformly.
- The plantation shall also include fruit bearing trees/ species which shall be uniformly distributed which shall act as dwelling place for variety of birds and other fauna and form a breeding ground for them. The tree products should have acceptable characteristics to suit local customs and traditions flowering Herbs & shrubs species.
- Thus, selected species shall be evergreen and with high foliage. Deciduous species shall be avoided as far as possible.

Company shall plant the following species:

Table 10.1: List of Species

Sr. No.	Common Name
Trees	
1	Neem
2	Badam
3	Pipal
4	Chickoo (Sapota)
5	Umbar
6	Aaso palav
7	Seesam
8	Gulmohar

Sr. No.	Common Name
9	Arjun
10	Sal
11	Karanj
12	Indian Mahogany
13	Bargat
14	Karan
15	Imli
16	Others
Shrubs	
1	Acalypha
2	Daranta Gold
3	Ixora
4	Thuja
5	Jasmine
6	Jasud
7	Any other evergreen High Foliage Shrub

- Care shall be taken to plant ample trees along the road side, boundary wall as well as within the plant premises. It shall enable proper balance of atmosphere both outside the campus by absorbing noise and gaseous pollutants of the road side movement of vehicles and also absorption of noise and emissions within the premises of the plant.
- Company shall follow the following five year comprehensive greenbelt development program after that the company shall keep following the prevailing practices of greenbelt management.

1st Year Plan

- Company shall provide all necessary facilities for irrigation of greenbelt in good condition and necessary maintenance of irrigation facilities shall be done regularly.
- If required company shall develop one in-house nursery and saplings storage area within its premises.
- Company shall also analyse the internal land use of proposed unit for allocation of greenbelt within premises. While planning this, company shall also focus on plantation in boundary area with maximum possible width.
- Company shall regularly assess survival rate of planted trees & shrub and if required necessary re-plantation shall be done to ensure healthy & dense greenbelt area in its premises.
- For plantation, if required, company shall acquire saplings from local private/government (Forest & Other) nursery
- Company shall do fertilization as required for healthy & dense greenbelt development.
- Company shall also execute greenbelt development and plantation in forest and non-forest area outside its premises in consultation with forest Department and other local authority as per the plan described below.

2nd to 5th Year Plan

- Company shall maintain all necessary facilities for irrigation of greenbelt in good condition and necessary maintenance of irrigation facilities shall be done regularly
- Company shall regularly assess survival rate of planted trees & shrub and if required necessary re-plantation shall be done to ensure healthy & dense greenbelt area in within premises.
- Company shall ensure survival rate above 80% to ensure adequate greenbelt at any time.
- For plantation, if required, company shall acquire saplings from local private/government (Forest & other) nursery
- Company shall do fertilization as required for healthy & dense greenbelt development

Plan for Forest Development

- Company shall plan to select evergreen flora species for the plantation in this forest area.

- If required, professionals with high qualifications and experience shall be hired to develop the dense forest in the area.
- In addition to this, company shall also contact local panchayat for plantation in local rural area beside of the forest area.
- Also the company shall make efforts to provide all necessary facilities for plantation and irrigation of area allotted by forest dept. for plantation.
- Company shall hire contractual labour for this work and shall ensure good condition of the plantation made in forest area.
- Necessary maintenance of irrigation facilities shall be done regularly to ensure uninterrupted irrigation required for the plantation area.
- Company shall regularly assess survival rate of planted trees & shrub and if required necessary re-plantation shall be done to ensure healthy & dense area having canopy cover more than 40% after five year.
- For plantation & re-plantation, company shall acquire saplings from local government (Forest & Other) nursery.
- Company shall do fertilization as & if required for healthy & dense plantation for forest development

Management Period

- The properly designed greenbelt area, irrigation facilities, sapling storage & maintenance area and storage for greenbelt development resources/tools etc. shall be provided in construction phase prior to commissioning of plant operation. The necessary structural maintenance shall be done throughout the extent of operation phase.
- The greenbelt development guidelines and five year program shall be initiated with inception of construction phase of project and shall be implemented & practiced as routine throughout the project life.

Budgetary Provision

- **1st Year:** Rs. 3,00,000/-
- **2nd Year Onwards:** Rs. 2,50,000/-

Responsible Authority

Project Proponent, Project manager, accounting head/manager, Site Officer & engineers, any professional & Contractors/contract labour hired, concern local authority engaged in plantation by company in area other than its premises.