

DEFINATION OF LAND USE/ LAND COVER CLASSES

1.0 BUILT-UP LAND

The land comprises of developmental area like building, Industrial structure, transportation network etc. This classes has been further divided into following sub-classes:

1.1 Town / Village

This is an area of human habitation alongwith buildings, transport network and other cultural features having an area of 5-10 sq.km. Village is small in size compare to town with a definite pattern of unmetalled roads.

1.2 Thermal Power Plant

This is an area of thermal power plant and allied infrastructure for generation of power.

1.3 Coal Dump Yard

This is an area for storage of coal for further transportation specially located at site of Coal mining and Railway line.

2.0 AGRICULTURAL LAND

This is an area where crops are grown during different parts of the year. It also includes fallow land.

3.0 FOREST

It is an area bearing an association pre-dominantly of trees and other vegetation type capable of producing timber and other forest produce.

3.1 Dense Forest

This is an area where crown density is above 40% of canopy cover.

3.2 Open / Degraded Forest

This is a forest where the crown density is less than 40% of the canopy cover.

3.3 Scrub Forest

This is a forest where the vegetative density is less than 20% in the form of bushes / scrub.

3.4 Forest Blank

This is an area within the notified forest boundary without any tree cover.

3.5 Forest Plantation

This is an area of trees of species of forestry importance raised on notified forest lands.

4.0 MINING AREA

This is an area where mining activities is being undertaken for extraction of coal. This has been divided into following sub-classes :

4.1 Active Mine

These are the areas where mining operation is going on for extraction of coal.

4.2 Abandoned Mine

This is an area left out after mining of coal without any reclamation.

4.3 Mining Dump

These are the area where waste spoils of open-cast mines are dumped.

4.4 Mining Dump with Plantation (NCL)

These are the areas of mine-dumps on which plantation has been raised by NCL.

5.0 WASTELANDS

This is an area which is degraded, unutilised, underutilised due to certain constraints. It can be made productive for growing vegetation and can be utilised for other productive purpose after certain management practices.

This has been further divided into following sub-classes :

5.1 Land with or without Scrub

This category occupies higher topography like uplands or high grounds with or without scrub.

5.2 Barren Rocky / Stony Waste / Sheet Rock Area

It is defined as the rock exposures of varying lithology often bare and devoid of vegetation and soil cover.

5.3 Flyash Pond

This is an area where flyash generated after combustion of coal in the thermal power plants is disposed off.

6.0 WATER BODY

This is an area impounded with water and may be natural or man-made.

This has been divided into following sub-classes.

6.1 Tank / Reservoir

It is natural or man-made enclosed waterbody with a regulated flow of water. Reservoirs are larger than tanks.

6.2 River / Stream

This includes natural water courses, drainage areas which may be with or without water during the year.