

#### 4.3.1.5 Fugitive Emissions Control During Coal Handling and Transportation Activities

The modernization of Unit 6 will increase the coal consumption of the entire TTPS, thus increasing the coal handling. TTPS has existing captive coal berth facility which is proposed to be augmented by installation of additional coal handling and unloading equipments.

- Following systems have been adopted to control the fugitive emissions during the coal handling at coal berth.

##### **State of art unloading system at Trombay Coal Berth.**

At Captive coal berth environmental friendly mechanical screw type unloader have been installed to ensure dust free coal unloading operations. The system is well proven and functioning satisfactorily well and has been appreciated by visitors and government authorities.



##### **Advanced Coal Dust suppression system:**

Advance coal dust suppression system has been installed at coal yard for suppression of coal dust. This helps in reducing fugitive emission and avoid fumigation of coal.



Transportation of Coal is done through closed coal conveyors till coal yard / plant to avoid spillages



Closed coal conveyors haven been installed to control fugitive dust emission during transportation



- Adequate green cover around the coal yard has been developed in TTPS to control fugitive dust emission during the coal handling operations. Few photographs of existing green belt are given below:



Green cover on North East of main coal yard



Green cover on North East of main coal yard



Green cover on North of the main coal Yard.



Green cover on North west of main coal yard.



Green cover on South west of main coal yard.



Green cover on South side of main coal yard



Green cover on South East side of main coal yard.



Green cover on east of main coal yard.