

GUIDE LINES FOR COAL HANDLING UNITS:-

1. Coal handling unit/Agency shall not use any agriculture land.
2. Coal handling unit/Agency shall be minimum 500 meters away from the residential area, school/colleges, Historical Monuments, Religious Places, Ecological sensitive area as well as forests area.
3. Coal handling unit/Agency shall be located at a minimum 500 meters away from the Railway line, Express ways, National Highways, State ways and District Roads and from water bodies like River, Nala, Canal, Pond etc.
4. Coal handling unit/Agency shall provide paved approach with adequate traffic carrying capacity.
5. Coal handling unit/Agency shall construct compound wall with minimum 9 meters height.
6. Coal handling unit/Agency shall ensure adequate water supply through pipe/ surface water before selection of the site.
7. Coal handling unit/Agency shall ensure that stacking of coal in heaps does not get higher than the compound wall of premises Coal handling unit/ Agency shall strictly observe itself and ensure the compliance of all the conditions/ Environmental stipulation laid out in the permission to be granted to the local authority, or any other authority etc .
8. Continuous water sprinkling shall be carried out on the top of the heap at regular intervals to prevent dusting, fire & smoke. During loading/unloading, fixed pipe network with sufficient water storage and pump shall be installed.

9. Coal handling unit/Agency shall ensure maximum sprinkling of water at each and every stage of transportation to avoid generation of coal dust or other dust.
10. Coal handling unit/Agency shall ensure that all trucks before leaving the storage yard shall be covered with tarpaulin and also that trucks are not over loaded as well as there is no spillage during transportation.
11. Coal handling unit/Agency shall ensure regular sweeping of coal from internal and main road and also ensure that there is adequate space for free movement of vehicles at the surrounded area.
12. The following adequate Air Pollution Control Measures shall be installed and to be operated efficiently.
 - (a) Dust containment cum suppression system for the equipments.
 - (b) Construction of wind breaking wall.
 - (c) Construction of metal road & RCC Pucca flooring in the plot area/ godown etc.
 - (d) System for regular cleaning and wetting of the floor area within the premises.
 - (e) Entire coal storage area/ godown should be covered with permanent weather shed roofing. In case of crushing/sieving/grading activity is carried out (i.e. G. I. Sheet).
 - (f) Fixed pipeline should be installed for sprinkling of water and to ensure that total plot area is covered with adequate water tank of compatible storage.
 - (g) In case of mechanical crushing, adequate additional APCM should be installed. And such crushing activity should carry out in close shed.
13. There shall be no use of fuel hence there shall be no flue gas /process emission.

14. Coal handling unit/Agency shall provide adequate fire fighting measure to avoid any fire and shall ensure that there is no explosive or chemical reaction in storage yard. For this purpose an onsite emergency plan shall be prepared and implemented by coal handling unit..
15. Coal handling unit/Agency shall carryout three rows plantation with tall growing tress all along the periphery of the coal handling premises, inside & outside of the premises along with road
16. There should be mechanized loading/ unloading system from the loading /unloading area to the stacking yards and in to the vehicles.
17. Coal handling unit/Agency shall improve house keeping in the yard and nearby approach areas leading to the any road .They shall take all adequate steps under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and Environment(Protection) Act -1986 and submit an action taken report in this regard .
18. Coal handling unit/Agency shall take all corrective steps to resolve the issue of air pollution at permitted coal storage/handling area where coal is being stored.
19. Coal handling unit/Agency shall prepare EMP (Environment Management Plan) and implement the same in true spirit and thus maintain overall environment of that area.
20. Coal handling unit/Agency shall not carry out the operation of loading/unloading of coal/coal dust at any place, till adequate air pollution control equipment for dust control/suppression are installed and efficiently operated and the consent under the provisions of Air (Prevention & Control of

Pollution) Act, 1981 is obtained by the coal yard owners/ Coal handling unit/Agency / coal importers.

21. Coal handling unit/Agency shall store coal in such a way that coal heap should not be higher than 15 feet and clear distance between two adjoining heap at G.L. should be 5 meters ,so that in case of fire ,approach is available.
22. Proper drainage system shall be provided in all coal storage area so that water drained from sprinkling is collected at a common tank and can be reused after screening through the coal slit.
23. Coal handling unit/Agency shall obtain transport permission from the local Administration under the relevant rules.
24. Coal handling unit/Agency shall take measures to control the air pollution while loading/handling coal. Specific measures shall be under-taken to avoid fugitive emission at the time of loading/unloading of coal by individual coal yard unit.
25. Coal handling unit/Agency shall submit details to GPCB at Head Office and Regional Office, regarding the capacity of coal yard and with probable height of the coal heaps in the storage yard.
26. Coal handling unit/Agency shall operate continuous Ambient Air Quality Monitoring Stations as per CPCB guideline. The results of parameters like SPM, RSPM, SO₂ shall be submitted to the SPCB every month.
27. The concentration of the following parameters in the ambient air within the premises and a distance of 10meters from the source (other than the stack/vent) shall not exceed the following levels.

| PARAMETERS | PERMISSIBLE LIMIT | |
|--|-----------------------------|------------------------------|
| | Annual | 24 Hrs Average |
| Particulate Matter-10 (PM ₁₀) | 60 Microgram/M ³ | 100 Microgram/M ³ |
| Particulate Matter- 2.5 (PM _{2.5}) | 40 Microgram/M ³ | 60 Microgram/M ³ |
| SO ₂ | 50 Microgram/M ³ | 80 Microgram/M ³ |
| NO _x | 40 Microgram/M ³ | 80 Microgram/M ³ |

- 28 Coal handling unit/Agency shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
29. Coal handling unit/Agency You shall strictly adhere with the applicability of Hazardous Waste (Management and Handling & Transboundary Movement) Rules -2008 “ and ensure that there shall be no generation of any type of Hazardous Waste.

Copy to:

1. ALL Regional Officer, G.P.C.Board,.
For information in respect to implementations of Environmental issues of coal handling units.

