

CHAPTER - VIII

ENVIRONMENTAL POLLUTION CONTROL AND MONITORING ORGANISATION

8.1 General

The implementation and monitoring of pollution control measures and for overall environmental management, environmental cell at the area and the Corporate level will take all necessary care. It will look after the following aspects of environmental management.

- Generation of environmental data bank.
- Evolving micro environmental management plan for the project in collaboration with other agencies and consultants.
- Monitoring project implementation along with environmental control measures.
- Co-ordinate with other project activities to ensure timely implementation of the project.
- Co-ordination with Ministry of Environment & Forest, Central/State Pollution Control Board for prevention and control of water and air pollution.

This organisation will be responsible for:

- Implementation of environmental control and protection measures and
- Monitoring of the implementation system.

8.2 Implementation Organisation

The responsibility for implementing environmental management plan would rest with the project officer of the project, who would be properly assisted by team of qualified and trained personnel. Organisation for environmental management in Chirimiri area office will carry out the task and responsibility connected therewith.

The Co-ordinated Organisations are expected to safeguard the following aspects of environmental control.

8.2.1 Compensation to land losers (although compensation is to be paid to the land owners below the land of which and only when depillaring operation is to be paid)

- Chief General Manager, Chirimiri Area
- Project Officer, Vijay West
- Land Survey and Revenue Deptt. SECL(HQ)
- Representative from State Govt.

8.2.2 Pollution Control Measures

- Chief General Manager, Chirimiri Area
- Project Officer/Environmental Cell, Vijay West Project, SECL
- Environmental Cell, SECL HQ

8.2.3 Plantation/Green Belt Development

- Chief General Manager, Chirimiri Area
- Project Officer/Environmental Cell, Vijay West Project, SECL
- Environmental Cell, SECL (HQ)

8.2.4 Land Restoration

- Chief General Manager, Chirimiri Area
- Project Officer/Environmental Cell, Vijay West Project, SECL
- Environmental Cell, SECL (HQ)

An organisation chart showing the hierarchial levels for environmental control is given as in *Figure-11*.

8.3 Monitoring and control

For effective implementation and mid term corrective measures (if required) monitoring and control of programme implementation is essential.

For this purpose a time bound action programme for environmental management has been prepared.

The scope of environmental management includes plantation, surface drainage, industrial water treatment plant, air, water and noise pollution checks etc.

For air, water and noise pollution control measures, samples will be collected and tested for all four seasons at strategic places representing all the categories of areas as indicated by CPCB, CMPDIL. The implementation authority should be guided and advised as per the feed back data from these tests. CMPDI may be consulted as and when necessary.

An Environmental Pollution Control Network showing various interaction levels involved is given as in Figure-1

Monitoring Schedule

As per latest Gazette Notification, in coal mining industry, monitoring of, air two days in a month at fortnightly interval is proposed. For water, noise and soil, quarterly monitoring is proposed.

Following number of stations have been fixed for monitoring of environment for the present.

Ambient Air	:	4 Stations (Fortnightly)
Water	:	5 Stations (Fortnightly for effluent and Quarterly for drinking)
Noise	:	4 Stations (Quarterly)

Plantation Monitoring

The project authority at field level will continuously monitor the growth and survival/mortality rates of the plantations till the end of 3 years or so. Once trees attain desired growth, no further monitoring will be required.

Health Monitoring

A regular schedule will be programmed for monitoring health of the workers and staff associated with the mining operations and other connected industrial activities for identifying occupational diseases etc. in time and initiating remedial measures. Mobile ambulance will also be used for such programmes to monitor the health of the population around the area.
