

Chapter-IX

Environmental Cost Benefit Analysis

The total capital investment on Environment control measures is estimated as Rs. 120.00 lakh for hiring option, the break-up of which is given below.

Biological reclamation cost and pollution control measures cost shall be revenue expenses and have been shown under the head Misc. Expenses.

Plant and Machinery-

A)HEMM-

It is proposed that the reclamation of land will be done contractually in hiring option and therefore no provision of HEMM has been made.

B) Effluent Treatment Plant - Rs. 20.00 lakhs

C) Others-

| | Hiring (Rs. Lakhs) |
|------------------------------------|-------------------------------|
| I. Biological Reclamation | 40.00 |
| II. Greenbelt Development | 20.00 |
| III. EMP Preparation | 20.00 |
| IV. Pollution Control | |
| a) Pollution abatement cost | 10.00 |
| b) Pollution monitoring facilities | 10.00 |
| | ----- |
| Grand Total | 120.00 |

Statement showing environment related costs with year wise phasing is given below:

Amount in Lakhs

| Sl. No. | Item | Total Cost | Phasing | | | | | |
|---------|---|--------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------|
| | | | 1 st yr. | 2 nd yr | 3 rd Yr | 4 th Yr | 5 th Yr | Beyond Yr. 5 |
| 1 | Pollution abatement cost | 10.00 | - | 2.0 | 2.0 | 3.0 | 3.0 | - |
| 2 | Effluent treatment plant | 20.00 | 5.0 | 10.0 | 5.0 | - | - | - |
| 3 | Green belt development | 20.00 | - | 5.0 | 5.0 | 5.0 | 5.00 | - |
| 4 | Pollution Monitoring & Control facilities | 10.00 | - | 3.0 | 3.0 | 2.0 | 2.00 | - |
| 5 | Biological reclamation | 40.00 | - | - | 5.0 | 5.0 | 10.0 | 20.0 |
| | Total | 100.0 | 5.0 | 20.0 | 20.0 | 15.0 | 20.0 | 20.0 |

R&R package –

Part of the land i.e. 25 Ha out of 40 Ha falling in the mining area in Ledo Block is under possession of NEC. Also, NEC has to provide for R&R package for land oustees. Estimated capital investment on land & R&R has been taken as **Rs. 2.80 crores.**