

**OUTLINE OF SCHEME OF MINING  
TO BE SUBMITTED UNDER RULE 12 OF MCDR,1988  
(FOR VERY SMALL 'B' CATEGORY MINES)**

The scheme shall be depicted as far as possible on mine plans and sections duly supplemented by tabular statements / charts / diagrams or sketches in support, keeping the descriptive matter to the minimum essential. The plans and sections prescribed under Mineral Conservation and Development Rules,1988 and the relevant ones under Metalliferrous Mines Regulation 1961 shall be made full use of . In respect of any item(s) where there is no change, reference to the approved mining plan will be adequate. Brief description may be added in respect of any other significant items where there is change dealing with the following :

**PART-I**

**CHAPTER - 1**

**1.0 REVIEW OF MINING PLAN**

1.1 Name of the mine.

1.2 Particulars of approval of mining plan ( under MCR or MCDR, indicate approval letter no. and date)

1.3 Date of commencement of mining operations.

1.4 A review of compliance position of salient features of the mining plan including conditions and stipulations imposed, if any, on yearwise basis. This may include exploration, mine development, exploitation, waste management , afforestation, mine reclamation and any other significant features.

**PART-II**

**PROPOSAL UNDER SCHEME OF MINING FOR THE NEXT FIVE YEARS**

**CHAPTER - 2**

**2.0 EXPLORATION AND RESERVES**

2.1 Reserves estimated in the approved mining plan with grades.

2.2 Depletion of reserves during the period of mining plan.

2.3. Additional reserves established ( with basis and parameters considered) during the period of mining plan.

2.4 Updated reserves with grade ( indicate end use grade with analysis). as well as marginal grades, based on above.

2.5 Yearwise exploration proposed to be carried out during the ensuing 5 years period. Location of trial pits and / or boreholes to be depicted on the geological plan.

**CHAPTER - 3**

**3.0 MINING**

- 3.1 Yearwise development for the ensuing 5 years period.
- 3.2 Yearwise production for ensuing 5 years period.
- 3.3 Any change in proposed method of mining , drilling and blasting and deployment of machinery, if so give details.
- 3.4 Precaution to be observed during drilling and blasting.

**CHAPTER - 4**

**4.0 DISPOSAL OF MINE WASTE AND SEPERATE STACKING OF SUB-GRADE MINERAL(S).**

- 4.1 Nature of waste and its rate of yearly generation.
- 4.2 Selection of dumping site.
- 4.3 Method of dumping and maximum height and spread of dump(s)
- 4.4 Precautions for confinement of dumps to prevent pollution of surface water bodies / courses.
- 4.5 Arrangement for seperate stacking of sub-grade minerals.

**CHAPTER - 5**

**5.0 USE OF MINERALS**

- 5.1 Changes proposed in specifications of mineral being sold including anticipated changes and new industries using the minerals.
- 5.2 Efforts made for utilisation of the sub-grade minerals including fines.

**CHAPTER - 6**

**6.0 EMPLOYMENT POTENTIAL**

- 6.1 Management and supervisory personnel.
- 6.2 Labour - skilled, semi-skilled, unskilled.

( Proposals for rectification of deficiencies noted, if any, in the approved mining plan may please be incorporated in each chapter)

**7.0 ENVIRONMENTAL MANAGEMENT PLAN**

1	2	3	4
Salient items to be covered under column nos. 2, 3 & 4 are as under	Proposals as per approved mining plan	Position at the end of 5 years of mining plan perid ( justification to be given for any marked deviation)	Proposals for the next 5 year plan period.
- Top soil storage, preservation and utilisation			
- Land reclamation and rehabilitation			
- Waste dump management			
- Afforestation programme with precautions for survival & protection			

of plantation				
- Quality of mine and any interference with surface water sources				
- Fly rock problems and precautions				

**CHAPTER- 8**

**8.0 CONCEPTUAL MINING PLAN**

8.1 Time frame of completion of mineral exploration programme in leasehold areas. Give broad description identifying potential area to be covered in the given time frame.

8.2 Whether ultimate pit limit has been determined and demarcated on surface and geological plans.

8.3 Whether the site(s) for disposal of waste rock and unsaleable ores has / have been examined for adequacy of land and suitability of long term use in the event of continuation of mining activity.

8.4 Whether back filling of pit(s) after recovery of ore / mineral upto techno-economically feasible depth envisaged. If so, describe the broad features of the proposal.

8.5 Post mining land use envisaged.

The five yearly successive mining scheme should fit into the above overall conceptual mining plan. Improvements and changes if any, in the conceptual mining plan may be incorporated in the successive mining scheme stages based on improved level of mechanisation, improved knowledge of the deposit as a result of exploration, changes in the use of mineral etc.

Prepared by  
Recognised Qualified Person or a  
person employed under clause (b) of  
sub-rule (1) of rule 42 of MCDR, 1988  
( RQP No. or Ref. of permission under rule 42  
of MCDR should be indicated)