

Scrutiny Comments on Draft Modified Mining Plan & PMCP for Lawa UG Gold Mine (54.55 hectares.), situated in Village – Lawa, Block – Nimdih, District – Seraikela Kharsawan, state – Jharkhand of M/s Manmohan Mineral Industries Ltd. Submitted under Rule 17(3) of Minerals (Other Than Atomic and Hydrocarbones Energy Minerals) Concession Rules, 2016.

Cover Page

1. For Modified mining Plan the document should be submitted under rule 17(3) of MCR 2016, & for PMCP Rule mentioned should be Rule 23 of MCDR 2017, necessary changes is to be made accordingly.
2. Category of the Mine is “A”.
3. Period of the Proposal should be in financial year, in your case it should be from 2019-20 to 2023-24.
4. Name of the Qualified person is to be mentioned.
5. One photograph of the Mine should be in cover page.
6. Instead of applicant Lessee should be mentioned.

Introduction

7. In the Introduction part only mention about the interim report based on which the lessee choose to mine out the deposit. (Change the line hypothesis in GSI report was not holding true)

General

8. Name of applicant /lessee/Rule 45 registration no. is to be mentioned.
9. Mobile no. of the applicant is to be mentioned as per format.
10. Mention the mineral(s) which is / are included in the letter of Intent / lease deed.
11. Name of the Qualified person is to be mentioned instead of Details of Geologist.
12. Remove Prospecting Agency and its details and Consent from State Govt. & Mining Lease Deed Execution from this chapter.

Location and Accessibility

13. This chapter is not as per prescribed format, necessary changes are to made accordingly.

Details of approved Mining Plan / Scheme of Mining.

14. This chapter is missing, it has to be incorporated accordingly as per prescribed format of IBM Manual on Appraisal of Mining Plan 2014.

Part A – Geology & Exploration

15. Name of the prospecting Agency should be in this chapter.
16. Geological sections may be prepared on natural scale of geological plan at suitable interval across the lease area from boundary to boundary.
17. Broadly indicate the future programme of exploration with due justification(duly marking on Geological plan year wise location in different colours) taking into consideration the future tentative excavation programme planned in next five years as in table below: -

Year	No. of BH (Core/RC/DTH)	Grid Interval	Total Meterage	No of Pits dimension and volume	No of Trenches Dimension and volume

18. Mineral Resources: (Mineral resources may be estimated purely based on level of exploration) as per the following format i.e, Surface Exploration.

Level of Exploration	Area covered in Ha.	Resources in tonnes	Grade
G1 – Detailed Exploration			
G2 – General Exploration			
G3 – Prospecting			
Reconnassance			

Mining – Underground Mining

19. Mention the Mode of entry (adit, incline, shaft, ramp / decline). Briefly describe the reason for choosing the mode of entry and its location with justification. Describe development and stoping method.
20. Attach a note briefly describing the underground layout using longitudinal sections / longitudinal vertical projection and level plans where necessary indication;
 - sizes and intervals of levels and raises / winzes with proper reasoning
 - proposed year wise level wise extent of development for five years along with the support system.
21. System of drilling and blasting should be in following format

Drilling pattern in ore	
Drilling pattern in Rock	
Drilling pattern in Stopes	
Maximum number of holes blasted in a round.	
Charge per round (Kg)	
Charge per hole (kg)	
Type of explosive	
Powder factor (Norms)	
Rock development - Ore development- Stope-	
Powder Factor (Actual)	
Rock development- Ore development - Stope –	

22. Method of Sequence of Stoping - Describe briefly the method of stoping to be adopted.
23. System of underground transportation: Describe in the table below.

From face to pit bottom or loading point.
From pit bottom to surface
From surface to end use plant.
Safety features provided on conveyor/ haulage track/ roadway

24. System of winding / hoisting is to be mentioned.
25. Subsidence management may be described.
26. Mine ventilation - Enclose a note outlining the steps to be taken to ensure adequate supply of air in all parts of the mine and prevention of noxious gases produced and excessive rise of temperature or humidity so as to ensure adequate ventilation. Also indicate No. & type of main mechanical ventilators, total air requirement as per statute, total intake / return (cu.m/ sec) etc.

Processing of ROM and Mineral Reject

27. This chapter is missing, it has to be incorporated accordingly as per prescribed format of IBM Manual on Appraisal of Mining Plan 2014

Plates :-

28. In all the Plans and sections Plan period is to be mentioned.
