

1

Scrutiny comments on Modified Mining Plan including Progressive Mine Closure Plan in respect of Sindesar khurd Lead-Zinc mine over an area of 199.8425 hectares near villages- Sindesar khurd, Tehsil- Relmagra, District- Rajsamand of Rajasthan State of M/S Hindustan Zinc Ltd., Submitted under rule 17(3) of MCR 2016& 23 of MCDR 2017.

1. The consent letter is signed by Sh. Sunil Duggal, as CEO & Whole Time Director is without date.
2. In the Executive summary, Domestic demand and supply: the criticism of Govt. Policies had been made which should be removed from the text. Only relevant issues may be kept.
3. It is noted that 1,55,201m underground drilling were done up to 2017-18 against the approved proposal of 1,11,000m. But no notice for such extensive drilling was submitted under MCDR, 2017.
4. Para 2(b): Land details should be given in the following tabular form:

a)-Non-Forest area with khasra/ survey No.	Area in ha	Type of land	Ownership	Area acquired/ surface rights obtained
i)				
ii)				
iii)				
<b>Sub Total (a)</b>				
b) – Forest Area with Block No. /Forest survey No.				
i)				
ii)				
iii)				
<b>Sub Total (b)</b>				
<b>Grand Total (a+b)</b>				

5. Part A, Chapter 11: Under the heading geology of the area, the classification of deposit as per MEMC rule 2015 should also be given.
6. Part A, Chapter 1(e): The following information should also be given:

Details of prospecting/exploration already carried out :					
Lease area explored under various categories (Area in Ha.)					
UNFC axis	Non Forest (in ha)	Forest (in ha)	Grid of Exploration	Depth(mRL /Level)	No of Bore holes(Core/RC/DTH ) drilled
G1					
G2					
G3					
G4					
<b>Total</b>					

7. Part A, Chapter 1(i): Under the heading Future exploration programme, the programme for exploration of the whole area to G1 level as per the rule 12(4) of MCDR, 2017, should be given. The year-wise programme of exploration should be given as per the Mineral(Evidence of Mineral Content) Rule, 2015 in the following format:

Name of prospecting /exploration agency-	
i) Address-	
ii) E mails-	
iii) Phone /fax etc-	

		FUTURE EXPLORATION PROGRAMME				
Year	UNFC axis	Area covered	No. of boreholes (Core/RC/DTH)	Grid interval	Depth(mRL/Level)	Total meterage
	G1					
	G2					
	G3					
	G4					

8. Part A, Para2(J): Under the heading Reserve & Resources as per UNFC, the following information should also be given:

Geological Axis :--	Depth (mRL/Level)	Area	Resource (Million Tonne)	Grade
For G1 – Detailed exploration				
For G2 – General Exploration				
For G3 – Prospecting				
Ffor G4- Reconnaissance				

FEASIBILITY AXIS :--	
Feasibility of mining	
Area considered non mineable under various items	
Mineral Reserves/ Resources Blocked /Non Mineable Category	
In G1 category in tonnes	
In G2 Category in tonnes	
In G3 category in tonnes	
In G4Category in tonnes	
Enclosed feasibility report	

ECONOMICAL AXIS	
Cost of production per Zones of mineral estimated	
Average Ex- mine price for last three year period	
Comment on Economic viability	

9. Part A, Para2(K), page 32: The reserves depleted from the last approved quantity and reserve added after exploration should be discussed first and then the final reserve & resources figure should be given as per the table given below:

	UNFC Code	Quantity in million tons	Grade
<b>A. Total Mineral Reserve</b>			
Proved Mineral Reserve 111	111		
Probable mineral Reserve	121 and 122		
<b>B. Total Remaining Resources</b>			
Feasibility mineral Resource	211		
Prefeasibility mineral resource	221 and 222		
Measured mineral resource	331		
Indicated mineral resource	332		
Inferred mineral resource	333		
Reconnaissance mineral resource	334		
<b>Total Reserves + Resources</b>			

10. The details calculation of reserves/resources estimated should also be submitted.

11. Life of the mine should also be discussed under Para reserve/resource.

12. The year wise production proposal should be given indicating specific Level (RL) & stopes with their grid for the particular year. It may be depicted on relevant plan & section and should also be presented in tabular statement.

13. In Chapter 7, the regular medical checkup & other benefits to the miners pertaining to their health should also be proposed in this chapter.

14. The copies of the qualification & Experience certificates of the technical qualified person who has prepared the mining plan have not been submitted.

15. Feasibility report has not been submitted. It should be submitted as per MEMC rules.

Plates:

16. In all the plates submitted

- (i) Every plan should be signed by the person prepared it and then the certificate of correctness should be signed by qualified person.
- (ii) The area has not been connected with three fixed reference points by DGPS/GPS.
- (iii) The scale of Plan/ Section at least 25 CMs Long & suitably Sub divided have not been drawn .

17. Surface Plan: The land use of the area as Govt. Waste land, Grazing land & private land has not been marked & indexed in this plate & plate no 40 (The Environment plan)..

18. Underground assay Plans (Plate 6 to plate 18): The symbol not given in index for stoped out and filled stopes. Similarly the symbol of red, blue & green color lines marked on plan but not indexed. The scale of Plan differs from other plates.

19. Plate 3 & 39 are same, it is not clear as to why these two separate plates submitted.

20. The recognized person should not change the Serial Number of Mining plan as provided in the Guidelines.

21. There are minor typographical mistakes/correction/omissions on the plates as well as in text should also be attended carefully.

22. The entire document and plans should be submitted in soft copies by e-mail in PDF format. An undertaking may also be given that the documents in hard copy & in soft copy are same.

23. Each and every page should be signed by the person preparing the mining plan.