

Scrutiny comments in respect of Modification of Approved Mining Plan including Progressive Mine Closure Plan (PMCP) of Katasai Manganese Mine over an area 196.860 ha in Keonjhar district of Odisha state, submitted by M/s Rungta Sons Pvt. Ltd. under Rule 17 (3) of MCR, 2016 for the period 2016-17 (12.02.2017) to 2019-20.

INTRODUCTION:

1. On the cover page and front page it is mentioned that period of lease is 13.02.1997 to 31.03.2020. Supporting document / mining lease deed / supplementary deed up to 31.03.2020 has not been enclosed.

At page no.1, it is mentioned that “the second renewal of the lease is valid for 20 years with effect from 13.02.1997 to 12.02.2017”.

Renewal of mining lease has been dispensed with under Mines & Minerals (Development & Regulation) Amendment Act 2015. As per Section 8A (3) of the MMDR Amendment Act 2015, henceforth all the mining leases granted before the commencement of this act shall be deemed to have been granted for 50 years. Supplementary lease deed may be prepared / executed.

2.0 LOCATION AND ACCESSIBILITY

1. Location of lease is not matching in Key plan as per DGPS coordinate, it should be rectified.

2. Annexure number of Letter from State Govt. regarding Surface right acquired area has not been mentioned in the text at page no.6. It is mentioned that “the lessee already obtained the Surface right over an area 165.515 ha”. However letter from State Govt. for grant of Surface right over an area 165.515 ha has not been enclosed

3.0 DETAILS OF APPROVED MP / SOM (if any) :

1. Actual production during 2015-16 and 2016-17 was 112.136 MT & 68.974 MT (upto June,2016) only against the proposal 13,469 mt & 19,291 MT respectively as mentioned at item no.3.3.3 at page no 8. Reason for less production has not been furnished.

2. Actual waste generation during 2015-16 and 2016-17 was 622 cum & 276 cum (upto June,2016) only against the proposal 1,28,169 cum & 1,75,727 cum respectively as mentioned at item no.3.3.5 at page no 9. Though the mine was working throughout the year without any discontinuance under which circumstances the “development was less than the proposal due to low production” as mentioned may be clarified.

PART – A

1.0 GEOLOGY AND EXPLORATION

A summary of lease area explored as per UNFC norms indicating G1, G2, etc. should be given in the following format.

Item of information	Lease area explored as per UNFC norms (in ha) as on dated....					Remarks / Comments including reasons for not carrying out the exploration as per UNFC norms.
	Total Lease Area = A+ B+ C+D+E					
	G1 Level	G2 Level	G3 Level	Explored and found non-mineralised with level of exploration (Remarks)	Unexplored Lease Area	
A	B	C	D	E		
Lease Area as per level of exploration						
No of BH drilled						
No of BH considered for Resource estimation						
Meterage Drilled						
Grid interval						
Scale of Mapping						
Reserve estimated after above exploration as on dated.....						
Remaining Resource after above exploration as on dated....						
Total Reserve / Resource after above exploration as on dated...						

Exploration proposed and carried out :								
Years	Exploration proposed			Achieved / Carried out			Gap in exploration, if any	Remarks / Reason for gap in exploration
	No of BHs	Grid interval	Meterage Drilled	No of BHs	Grid interval	Meterage Drilled		

2.0 MINING

1. Mine is categorized as A-OTFM. But capacity of Tippers of 10 cum is proposed for waste removal and for ore transportation at item no.5.2.2 on page no.47. This need clarification otherwise it would be considered as Fully Mechanized.

2. It is mentioned that “Ore loading will be both manual and with loader” at item no.5.2.1. In the extent of mechanization capacity and number of loader required has not been mentioned at item no.5.2.2.

3. Being the mine area is in forest, blast vibration study is to be carried out. Proposal is to be given as per CCOM circular. Controlled blasting should be proposed with all technical detail as mentioned at item no.5.5.4 on page no.51.

4. At item no.5.8 on page no.53, it is mentioned that “there will be two numbers of external dumps which will be used for dumping until and unless some area will be matured for backfilling through dumping. Both the external dumps will also come under plantation”. This needs to be clarified in detail.

3.0 MINE DRAINAGE

1. There are seasonal nallah / rivulets within the lease area, they are not shown in the Surface plan and Environment plan. Describe likely quantity of rain water to flow through lease area and arrangement for arresting solid wash off etc. from the mine run off.

4.0 STACKING OF MINERAL REJECT / SUB GRADE MATERIAL AND DISPOSAL OF WASTE.

1. The dimensions of existing dumps, their area along with number of terraces & their levels to be furnished as per following table. Steps proposed to be taken from the beginning of this Scheme period for their rehabilitation to be spelt.

Name of the Mine					As on date:			
Sl No.	Dump Number	Location	Length	Width	No. of Terraces	Top mRL	Bottom mRL	Grade

The dump analysis report should be from a lab accredited by NABL or government lab. Similar information of sub-grade material in tabulated form as above may be given.

5.0 USE OF MINERAL AND MINERAL REJECT

In the interest of mineral conservation, the requirement of end-use industry specifically in terms of physical and chemical composition should be described. For Ferromanganese industry it is mentioned that “it requires 10-40 mm size manganese ore and grade 30-35 % & 35-40% with 5-2% SiO₂” at item no.8.1 on page no.67. Clarify this.

7.0 PMCP UNDER RULE 23 OF MCDR, 1988.

1. Name of persons, designation with address and phone along with respective responsibilities should be detailed under disaster management & Risk Assessment
2. Protective measures already carried out and proposed should be given in tabular form.

PART B

10. List of the Plans and Sections to be submitted:

- a. In the Surface Plan, Dump D-2 has been extended towards south of the dump beyond Surface right area. Settling tank has been constructed on the south side of Dump-2 beyond surface right area. Two dumps have been extended beyond Surface right area near Boundary pillar no.23 to 24. Clarify and should be corrected.
- b. There are seasonal nallah / rivulets within the lease area, they are not shown in the Surface plan and Environment plan.
- c. Surface Plan has not been signed by Mine Surveyor with date and certificate number.

11. List of documents to be annexed:

- a. Some photographs of ML boundary pillars showing pillar name and its co-ordinates,, mining, waste dumping, environmental protection aspects and other allied activities of the mine should be enclosed.