

MCDR Report

- | | |
|--|--|
| 1) Name of Inspecting Officer :- | Mr Prem Prakash |
| 2) Designation :- | Sr. Asst. Controller of Mines |
| 3) Accompanying mine official with designation : | Sri B C Mallik (Mining Engineer)
Sri K C Rath (Geologist) |
| 4) Date of Inspection:- | Dt 24.11.2015 |
| 5) Last Date of Inspection:- | Dt 11.12.2014 |

PART-I GENERAL INFORMATION

1. Name of mine :- South kaliapani Chromite Mines.
 - a. Category of mine :- A
(A-Fully mechanized, B- Other than fully mechanized)
 - b. Mode of working (OC/UG/Both o/c & u/g):- OC
 - c. Postal address At/Po- Kaliapani ,PS-Kaliapani ,DT-Jajpur
 - d. State :- Orissa
 - e. District :- Jajpur
 - f. Tahsil/ Taluka :- Sukinda.
 - g. Police station :- Kaliapani.
 - h. Village :- Kaliapani
 - i. Post :- Kaliapani.
 - j. Pin Code :- 755028
 - k. FAX :- -06726268770
 - l. E-mail :- - srmgr.omcsklp@gmail.com
 - m. Phone :- 06726-268760
2. a) Lease No. :
 - b) Lease area in hect.: 552.457 Ha.
 - c) Period of lease : 20 years from 22.01.1980 (RML applied)
- 3.a) Mineral(s) included in the lease deed : Chromite
 - b) Mineral(s) worked : Chromite.
4. Name and address of (including FAX/E-mail, if any)
 - a) Lessee/ Owner : M/s- O.M.C. Ltd.
 - b) Nominated owner : Shri Girish S N, IAS.
Managing Director.
 - c) Agent with date of appointment : Sri B K Behera, R.M.
Date of appointment:- 04.05.2015
 - d) Mining Engineer and Geologists appointed : Sri Baishnab Charan Mallik
under rule 42 of MCDR, 1988 with date of : Date of appointment:- 20.05.2011
appointment and whether full/ part time with :
qualification. : Qualification:- B.E. (Mining)
Sri K C Rath, (Geologist)
Date of appointment:- 07.01.2015.
Qualification :- M.Sc. (Geology)
 - e) Mine Manager with qualification and date of : Sri A K Pradhan (Mines Manager)
appointment. : Date of appointment:-03.04.2014
Qualification :- AMIE (Mining)
5. Details about Mining Plan/ Mining Schme
 - a) Letter No. and date of approval mining : MS/FM/26-ORI/BHU2014-15/117
Scheme : dtd-16.04.2015
 - b) Period of mining plan/mining scheme in force : From- 2015-16 to 2019-20

6

PART -II – TECHNICAL DETAILS

1. Details about employment.
 Maximum number of persons employed on any day during the year 2014-15 (i) below ground (ii) above ground and (iii) in all the mines.- i.e. on 12.09.14 was 1519.

Classification	Average daily employment			Average No. of days worked in a year	Remark
	Direct	Contract	Total		
OPENCAST				309	
a) Managerial persons	24	09	33		
b) Supervisory persons	21	7	28		
c) Workers	250		250		
d) Ministerial persons	48	119	167		
e) Employment in plant		61	61		
f) Others	343	430	773		
UNDER GROUND	Not applicable				
a) Managerial persons*					
b) Supervisory persons					
c) Workers					
d) Ministerial persons					
e) Employment in plant					
f) Others					*If common, please state

2. Community Development Plan (in and around the mines)- Separate sheet enclosed

Sl. No.	Proposed action towards socioeconomic development during the current year	Expenditure proposed in Rs. Lakhs (Previous financial year) (2014-15)	Expenditure proposed in Rs. Lakhs (current financial year) (2015-16)	Expenditure incurred in Rs in lakhs Yr 2014-15	Expenditure incurred so far in Rs. Lakhs year 2015-16	Remark
1	General development in the area	200 lacs				Expenditures mentioned are as reported by the mines manager. Not verified.
	a) Housing					
	b) Water supply					
	c) Sanitation					
	d) Health, safety and medical facilities					
2	Training					
3	Employment to local inhabitants					
4	Infrastructure-public transport, roads, communication and electricity					
5	Recreation and other					

	sports activities					
6	Expenditure for environment management	12.5 lacs				
7	Others					
	Total					

3. Status of compliance of MCDR, 88 including therewith the rectification of outstanding violation of the rules.

Date of last inspection	Violation pointed out	Compliance reported
11.12.2014	NIL	NA

After last inspection on 11.12.2014, No Violation was pointed out.

During current inspection, Violation of MCDR,88 was also not observed.

4. A note on justification in case of suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 if recommended. Not Applicable.

Not recommend

5. Scientific Mining (As per latest approved mining Plan/Scheme)

Item	Proposal 2014-15	Actual work done (2014-15) cumulative as applicable	Remark
i) Exploration (Rule 13)			
a) Type of prospecting and exploration i.e. pitting, drilling etc.	44 nos.	2 nos.	Exploration is continuing in 2015-16, 4 nos. BHs reported completed up to Nov. 2015
ii) Workings (Rule 13)			
a) Opencast/Underground	Opencast	Opencast	
b) Manual/Mechanized	Mechanized	Mechanized	
c) No. and size of each pit	02 pits	02 pits	Q-F Q-D
d) Bench size (l x w x h) length can be defined as regular or irregular	regular	regular	
e) Ore to waste ratio pit wise if possible otherwise for mine.	Q-D-1:2.1 Q-F-1:2.6	1:4.1 1:2.8	As reported by mines manager.
f) Total area covered under excavation/pits	99.81 ha.	99.81ha	
iii) Waste disposal (Rule 13)			
a) Location of dumps		South east corner of Q-D	
b) Method of dumping whether advancing/ retreat	Retreating	Advancing	
c) Total area covered under waste dump	Not specified for a year	---	
d) No. and size of each waste dump with number	One no.	One no.	

of steps lift/bench.		
e) Yearly generation of waste quantity.	3254134 cum	2673192 cum
f) Year-wise quantity of top soil removed, utilized & stacked.	---	---

6. Conservation of mineral – both quantitative and qualitative.

i) Mineral (Rule 15)

(a) No of benches in ore and waste

	Ore	OB
Qry-D	1 nos	15nos
Qry -F	1 nos	16nos

(b) Percentage of recovery of ore pit-wise w.r.t. ROM and total material. Yr 2014-15

Qry- D-Ore	-643215.00 MT
OB-	2650524.00 cum
Qry -F- Ore	- 8000.00 MT
OB	-22668.00 cum

ii) Sub-grade mineral/ fines (Rule 16)

(a) Separate stacking from waste - yes

(b) Location of stacking --- One no. Qry- D

(c) Total area covered for stacking - near Qry- D

(d) No. and size of each stacking - 910083.885 (below 40%Cr2O3)

(e) Quantity of yearly generation – (2014-15) - 50439.76 te(below 40%Cr2O3)

iii) Beneficiation (Rule 20)

(a) Efforts for improving low grade and sub-grade mineral - Beneficiation through COBP

iv) Efforts for improving percentage of recovery of ore - Sorting & Blending

7. Environment Management both quantitative and qualitative

i)	Land Environment	
(a)	Landscape	Undulating topography
(b)	Aesthetic environment	Satisfactory
(c)	Soil and land use pattern	Very less top soil is being generated
(d)	Agriculture	No agricultural activities observed nare to working area.
(e)	Forest (flora & fauna)	Unbroken area has growth of tree.
(f)	Vegetation	Moderate vegetation consisting bushes/shrubs are existing in and around the lease area.
(g)	Public building, places and monuments (protected monument and historical monument), places of worship and places of tourist interest.	Nil
ii)	Water Environment	
(a)	Surface water	flow of water outside the ML area routed through ETP
(b)	Ground water	flow of water outside the ML area routed through ETP
(c)	Quality of water	The water quality is monitored regularly.
iii)	Air Environment	

(a)	Noise	The noise level monitoring in the core zone and residential areas are being carried out.
(b)	Air	The air pollution is minimized by water sprinkling by mobile tanker on haul roads etc. & by using wet drilling technique. Regular air monitoring is also reported being carried out.
(c)	Climatic condition	Sub-Tropical and semiarid.
iv)	Socio-economic environment	
(a)	Social and demographic profile	Mining activities is helpful in upliftment of socio economic conditions of the near by inhabitants.
(b)	Recommending health and safety	Regular health check-up of workers and supervisory staff reported being carried out.
(c)	Human settlement	There is some human settlement within the lease area.
(d)	Recreational facility	Provided at Colony

8. Scrutiny of annual returns on cost of operation, reserves, production, pit mouth value, stock, etc. for the year 2014-15

(1) Cost of operation	- Rs 4911.89 / M.T. (total cost of operation)
(2) Reserve	- 10.463 million tonne (111 cat.)
(3) Production	- 651215.00 M.T. (2014-15)
(4) Pits Mouth Value	- fines(40-52)%-Rs 12125.00 (+52)% Rs -14205.00
(5) Stock :	(-40%) - 910083.885M.T. , (40 to-52)% -79439.837 MT (+52)% -134751.513 MT conc.-27318.548 MT

9. PROPOSAL FOR FURTHER ACTION:

a)	Indian Bureau of Mines(any issue related to CGPB ,SGPB ,assistance consultancy ,annual programme and studies etc.	Nil
b)	The State Government (illegal mining ,mining dispute ,infrastructure, mineral based industry ,mineral policy etc.)	Nil
c)	The Central Government (infrastructure development ,mineral policy and legislation , mineral based industry etc.)	Nil

P. Prakash
Dy. Controller of Mines