INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION

MCDR INSPECTION REPORT

Jabalpur regional office

Mine file No : MP/SATNA/LST- **Mine code : 38MPR35324**

(i) Name of the Inspecting Officer and ID No. : **007**) **SHANTANU DASGUPTA**

(ii) Designation : Junior Mining Geologist

(iii) Accompaning mine Official with Designation :

(iv) Date of Inspection : 23-NOV-16

(v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KHONDHRA (4.547HA)**

(b) Category : A Other Mechanised

(c) Type of Working : Opencast

(d) Postal address

State : MADHYA PRADESH
District : SATNA
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :

(e) Police Station :

(f) First opening date :

2. Address for correspondance :

3. (a) Lease Number : MPR2425

(b) Lease area : 4.55

(c) Period of lease : 30

(d) Date of Expiry : 27-MAY-42

4. Mineral worked : LIMESTONE Main

5. Name and Address of the
Lessee : SIDDHI VINAYAK MINERALS
SATNA SATNA MADHYA
PRADESH
Phone:
FAX :

6. Date of approval of Mining Plan/Scheme of Mining :

PART - II : TECHNICAL DETAILS/COMMENTS

1. Details about Average employment :
Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Supervisory	**2**	**150**
CONTRACT		
Workers	**20**	**150**

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towords socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for previous year		Expenditure in Rs. Lakhs for current year		Remarks
	Proposed	Incurred	Proposed	Incurred	
General					
Water supply	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Housing	2.00	2.00	0.00	2.00	
Sub total	**2.00**	**2.00**	**0.00**	**2.00**	
Infrastructure					
Sub total			**2.00**		
Total	**2.00**	**0.00**	**2.00**	**2.00**	

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

No voilation were pointed out during the previous inspection as such there is no out standing voiltaion . During the current inspection , voilation of rule 13(1) ,45(5) (a) and 45 (1) (b) were pointed out .

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 19888, if recommended.

The suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 is not recommended at present .

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
b.Total area covered	: None	none	
a.Type of prospecting and exploration i.e. pitting, drilling	: No proposals	None	--
B. Working (Rule 13)			
b.Bench size(LxWxH)length can be defined as regular/irregular	: 01m and 1.5 m height of soil and shale bench over an area of 3500m2 and 3000m2 area and one bench of 6m height in Limestone over an area of 4100m2 .	There are atrenate bands of shale and Limestone as such benches of 1.5 to 2 m height are developed in OB ,intermediate shale and limestone . The benches are regularand having size of 30-60m x 3-4m x1.5 -2m .	--
a.Number and size of each pit (LxWxH)	: one pit of 130mx82mx8.5m size and it was prposed to developed two bences in Ob and one bench of 6m height in MIneralover an area of 4100m2 area .	The size of pit was observed as 90mx70mx8-9m . There are alternet bands of shale and Limestone as such 03 benches in shale and 03 benches in limestone are developed	--
c.Ore to waste ratio pit wise if possible otherwise for mine	: The ore to waste ratio was prposed as 1:0.52.	due to existance of interemediate shale bands , the ore to waste ration was observed as 1:1 .	---
d.Total area covered under excavation/pits	: one pit of 130mx82mx8.5m size over an area of 4100m2 area .	The size of pit is 90mx70mx8-9m or 2700m2.	
C. Waste disposal (Rule 13)			
a.Location of dumps	: Location of two dump (soil and waste) wes proposed at the Nothern side (along the road) of the proposed pit	No dumps were observed at the prposed site however it was observed that the one OB dump is kept near pillar no -02 having size of 44mx14.5m x7m and northern side of pit has been backfilled by waste .	
b.Method of dumping whether advancing/retreat	: advacing	The method of soil dumping is advacing	---

c.Total area covered under waste dump.	: 2100m2 area was proposed for waste dump .	The no waste has been kept on the porposed site . The waste genetrated so far is used for backfilling of the nothern side of the pit .	--
d.No.and size of each waste dump with No of steps/lift/bench	: one dump of waste over an area of 60mx35m .	No waste dump was oberved at the proposed site .	

RESERVE POSITION AS ON 01/04/2016

LIMESTONE

Category	Quantity in Tonnes	Grade
Proved	277000	Cement grade
Probable		
Possible		
Total	277000	

PRODUCTION FOR THE PREVIOUS YEAR 2015 - 2016

Mineral	Production	Unit
LIMESTONE		TON

6. Conservation of Mineral – both quantitative and qualitative

Beneficiation (Rule 20 and 26)

Efforts for improving low grade and sub grade mineral.	:	By manual sorting and sizing however no subgrade is genetared and whole qty is saleable .
Efforts for improving percentage of recovery of ore.	:	.whole production is saleable .

Minearl Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material	:	60 to 70 % wrt ROM
Number of benches in ore and waste.	:	01 benche in OB and 02 bench in itermidate shale and 03 benches in mineral limestone .

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade	:	No subgrade Limstone is genarted so far and no such qty/stack of subgrade was observed during inspection.
Number and size of each stack	:	No subgrade Limstone is genarted so far therefore there is no stack of subgrade mineral.
Location of stacking.	:	No subgrade Limstone is genarted so far therefore there is no stack of subgrade mineral.
Separate stacking from waste	:	No subgrade Limstone is genarted so far therefore there is no stack of subgrade mineral.
Total area covered for stacking	:	None

Exploration data as on 31/03/ 2016

No. of Boreholes	No. of Pits	No. of Trenches

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2015 – 2016

Utilisation of Sub Grade Mineral and Mineral Rejects

	Generated	Utilised	Stacked

(In Ton.)

7. Environment Management – both quantitative and qualitativ

A. Land environment

a. Landscape.	:	Almost flat mining area slopping towards North –West.
b. Aesthetic environment	:	Barren Landscap with pits In some parts, agriculture activities/fields were also observed
c. Soil and land use pattern	:	the existing land use is agriculture.
d. Agriculture	:	In part of area agriculculture activites was obseved .
e. Forest(flora and fauna)	:	There is no forest land or forest cover(flora and fauna)
f. Vegetation	:	The ML area and sourouding area is under use of agricutuural or baren area having very scanty vegitation /trees.
h. Public building, places and monuments (protected, historical), placec of worship and places of tourist	:	thereis no Public building, places and monuments (protected, historical), placec of worship and places of tourist within the ML area and in surrounding .

B Water environment.

a. Surface water	:	There is no surface water in the form of river/nala.

7.1 Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.

Water Management

Season	Station type	Station name	Parameter	Value	
				Actual	Excess

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2015 – 2016

Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/2016

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

PART – III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years – as per guidelines)

a. Compliance of terms and conditions of lease deed.

The lease period is upto 12/01/39 therfore not applicable .

b. Compliance of the provisions of MCDR, 88 and advise given.

The lease period is upto 12/01/39 therfore not applicable .

c. Conduct with regard to adoption of safety measures and forest wealth, ecology and environment in the mining lease area.

The lease period is upto 12/01/39 therfore not applicable .

PART – IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

None

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

None

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

None

Date :

(**SHANTANU DASGUPTA**)

Indian Bureau of Mines