

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/LST-DOL/SNG/MCDR-9/BBS

Mine code : 38ORI13024

- (i) Name of the Inspecting : **AR**) **SHRI PREM PRAKASH**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 27/06/2013
- (v) Prev.inspection date : 12/08/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TANMURA JHARBEDA (87.906H)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : SUNDARGARH
Village : TANMURA
Taluka : RAJGANJPUR
Post office : TANMURA
Pin Code : 770070
FAX No. :
E-mail :
Phone : 06624-249042
- (e) Police Station :
- (f) First opening date : 26/03/1972
2. Address for correspondence : VILL: TANMURA, VIA: RAJGANGPUR
DIST: SUNDARGARH (ORISSA)
PIN-770070
3. (a) Lease Number : ORI0412
(b) Lease area : 64.3
(c) Period of lease : 20
(d) Date of Expiry : 24/05/2012
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : VIJAY KISHAN LAL
 CONTRACTORS COLONY SECTOR-
 6, ROURKELA SUNDARGARH
 ORISSA
 Phone:
 FAX :

Owner : SRI V.K. LAL
 CONTRACTORS COLONY SECTOR-
 6 SUNDARGARH ORISSA
 Phone: 06624-29040
 FAX :

Mining Engineer

Name : G.C. BEHERA, Full Time
 Qualification : DIPLOMA IN MINING&1ST CLASS MINES MANAGE
 Appointment/ : 03/01/2003
 Termination date

6. Date of approval of Mining : 14/07/2008
 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 | | |
| Managerial | 1 | 307 |
| Supervisory | 6 | 307 |
| Others | 11 | 307 |
| Ministrial | 1 | 307 |
| Plant | 2 | 307 |
| Workers | 40 | 307 |

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

| Action during the year | Expenditure in Rs. Lakhs for | | | | Remarks |
|-------------------------------|------------------------------|--------------|--------------|-------------|---------|
| | previous year | | current year | | |
| | Proposed | Incurred | Proposed | Incurred | |
| General | | | | | |
| Water supply | 0.80 | 0.72 | 1.00 | 0.18 | |
| Sanitation | 0.10 | 0.10 | 0.12 | 0.02 | |
| Housing | 0.30 | 0.30 | 5.00 | 0.80 | |
| Safety | 0.20 | 0.15 | 1.00 | 1.00 | |
| Sub total | 1.40 | 1.27 | 7.12 | 2.00 | |
| Infrastructure | | | | | |
| Roads | 0.50 | 0.75 | 0.25 | 0.35 | |
| Sub total | 0.50 | 0.75 | 1.27 | 0.35 | |
| Training | 1.00 | 1.05 | 1.05 | 0.17 | |
| Environment management | 2.00 | 2.50 | 0.82 | 0.41 | |
| Employment | 20.00 | 33.00 | 27.00 | 5.34 | |
| Total | 24.90 | 44.42 | 30.39 | 8.27 | |

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

No outstanding violation. During current inspection, no serious/ major violation of MCDR'88 was observed.

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.

Not recommended

5. Scientific Mining

| Items | Proposal | Actual work done | Remarks |
|-------|----------|------------------|---------|
|-------|----------|------------------|---------|

A. Exploration (Rule 13)

| | | | |
|---|--|---|---|
| a.Type of prospecting : 9 B/Hs and exploration i.e. pitting, drilling | | Exploration work has been started and continuing. | Proposed B/hs area was under cultivation, hence exploration started after cultivation season. |
| b.Total area covered : about 2500 sq. m | | Exploration carried out in about 800 sq., m. area & contnd. | |

B. Working (Rule 13)

| | | | |
|--|--|---------|--|
| c.Ore to waste ratio : Not specified pit wise if possible otherwise for mine | | 1:0.02 | |
| b.Bench : regular size(LxWxH)length can be defined as regular/irregular | | regular | |
| a.Number and size of : one each pit (LxWxH) | | one | |
| d.Total area covered : under excavation/pits | | | |

C. Waste disposal (Rule 13)

| | | | |
|---|--|--------------------|--|
| a.Location of dumps : As prosed in MP | | As per Mining Plan | |
| b.Method of dumping : Advancing whether advancing/retreat | | Advancing | |
| c.Total area covered : 0.87 ha under waste dump. | | 0.85 ha approx | |
| d.No.and size of each : 01 no. waste dump with No of steps/lift/bench | | 01 no. | |
| e.Yearly generation : 35790 m3 of waste quantity. | | 2319 m3 | |

RESERVE POSITION AS ON 01/04/2013**PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013**

| Mineral | Production | Unit |
|-----------|------------|------|
| LIMESTONE | 7345 | TON |

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving low grade and sub grade mineral. : Sorting & blending

Efforts for improving percentage of recovery of ore. : Sorting & sizing

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : about 70 %

Number of benches in ore and waste. : Ore-5, OB-1

Sub/grade mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : 2012-13=18194 MT

Number and size of each stack : one no.

Location of stacking. : Northern & Western side of quarry

Separate stacking from waste : yes

Total area covered for stacking : about .058 ha

Exploration data as on 31/03/ 2013

No. of Boreholes

No. of Pits

No. of Trenches

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013**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 plain area
- b. Aesthetic environment : OK
- c. Soil and land use pattern : about 735 m3 top soil removed & utilized.
- d. Agriculture : Agriculture acivities being carried out in some part of lease area.
- e. Forest(flora and fauna) : Not much impact on flora & fauna)
- f. Vegetation : Plantation carried out in about 0.4 ha area of about 1000 saplings
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : Nil

B Water environment.

- a. Surface water : No perenial water course within lease area.
- c. Quality of water : OK
- b. Ground water : Being monitored

C. Air environment

- a. Noise : The noise level is being monitored.Paramertrs are within permissible limit.
- b. Air : Air sample being monitored.Water spraying at the haul road & in ore stack yard bieng carried out to minimise air pollution.
- c. Climatic condition : Sub-tropical

D. Socio economic environment

- c. Human settlement : Villages nearby & within lease area.
- a. Social and demographic profile. : Majority of the population in the area is scheduled tribe & back-ward class
- d. Recreational facility. : No Recreational facility observed

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.

| <u>Water Management</u> | | | | | |
|-------------------------|--------------|--------------|-----------|--------|--------|
| Season | Station type | Station name | Parameter | Value | |
| | | | | Actual | Excess |

| <u>Air data for excess parameters</u> | | | | | |
|---------------------------------------|--------------|--------------|-----------|--------|--------|
| Season | Station name | Type of area | Parameter | Value | |
| | | | | Actual | Excess |

PLANTATION DURING THE PREVIOUS YEAR 2012 - 2013

Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/2013

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

Annual Return for the year 2012-13 has not been submitted till the date of inspection. Scrutiny of Annual Return for the year 2011-12 has been carried out during last inspection.

PART - III : PERFORMANCE OF MINE OWNER
(In case of lease expiring within 2 years - as per guidelines)

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

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

Nil

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

Nil

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

Nil

Date :

(SHRI PREM PRAKASH)

Indian Bureau of Mines