

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-4/GOA

**Mine code :** 38KAR05005

- (i) Name of the Inspecting : **SP01** ) **SURESH PRASAD**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 07/03/2018
- (v) Prev.inspection date : 11/05/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **CHIKKASHELLIKERI**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : KARNATAKA  
District : BAGALKOT  
Village : CHIKKASHELLIKERI  
Taluka : BADAMI  
Post office : CHIKKASHELLIKERI  
Pin Code : 587204  
FAX No. :  
E-mail : bagalkotchemicalindustries@  
Phone : (08354) 240127, 220763
- (f) Police Station : Kaladgi
- (g) First opening date : 10/08/1978
- (h) Weekly day of rest : THU
2. Address for : Village:Chikkashellikeri,  
correspondance Taluka:Bagalkot  
Distt.:Bagalkot.
3. (a) Lease Number : KAR0021
- (b) Lease area : 8.09
- (c) Period of lease : 20
- (d) Date of Expiry : 09/08/1998
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : BAGALKOT CHEMICAL INDUSTRIES  
 'NANDI', NEAR WATER TANK,  
 BHAGWAN MAHAVIR ROAD,  
 BAGALKOT BAGALKOT KARNATAKA  
 Phone:08354-220763, 220898  
 FAX :

Owner : Smt.Bharati M.Hurakadli  
 'Nandi',Near Water Tank,  
 Sri Bhagavan Mahavir Road  
 Bagalkot. BAGALKOT  
 KARNATAKA  
 Phone: (08354) 220763(  
 FAX :

## Mining Engineer

Name : N KUMAR,Full Time  
 Qualification : DIPLOMA MINING  
 Appointment/ : 15/03/2013  
 Termination date

## Mining Engineer

Name : A KEDARESWARAPPA,Full Time  
 Qualification : Dip. In Mining, Foreman Certificate  
 Appointment/ : 01/06/2000 22/05/2005  
 Termination date

## Manager

Name : B.R.GOPINATH  
 Qualification : DIP. IN ME AND FORMAN'S CERTIFICATE  
 Appointment/ : 30/06/2006 10/03/2013  
 Termination date

|                               |   |                                |            |
|-------------------------------|---|--------------------------------|------------|
| 6. Date of approval of Mining | : | Renewal under rule 22 MCR1960  | 20/08/1996 |
| Plan/Scheme of Mining         |   | Mining Scheme rule 12 MCDR1988 | 02/12/2003 |
|                               |   | Modif.approved Mining Scheme   | 01/02/2008 |
|                               |   | Mining Scheme rule 12 MCDR1988 | 22/09/2009 |
|                               |   | Mining Scheme rule 12 MCDR1988 | 26/03/2014 |

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

| Sl.No. | Item  | Proposals | Actual work | Remarks   |
|--------|---|-----------|-------------|---|
| 1a     | Backlog of previous year  | Nil       | Nil         |   |
| 1b     | Exploration over lease area for geological axis 1 or 2              | Nil       | Nil         | Proposal were not made in the AR 2016-17                |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | Nil       | Nil         |   |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | nil       | nil         |   |
| 1e     | Balance reserve as on 01/04/20                                      | 0.25 MT   | 0.206 MT    |   |
| 1f     | General remarks of inspecting officers on geology, exploration etc  |           |             | No exploration proposal in the assessment year 2016-17. |

## Development :

| Sl.No. | Item   | Proposals                            | Actual work | Remarks                             |
|--------|--|--------------------------------------|-------------|-------------------------------------|
| 2a     | Location of development w.r.t.lease area                       | N 1786044-1786286<br>E 555253-555481 | As proposed |                                     |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15) | nil                                  | Nil         | No proposal for Top soil and waste. |
| 2c     | Stripping ratio or ore to OB ratio                             | 1:0.0                                | 1:0.0       |                                     |
| 2d     | Quantity of topsoil generation in m3                           | Nil                                  | nil;        |                                     |
| 2e     | Quantity of overburden generation in m3                        | Nil                                  | Nil         |                                     |

|    |   |   |
|----|---|---|
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | No top soil and overburden proposal made. i.e zero waste. This support towards the theme of mineral conservation. |
|----|---|---|

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### Exploitation:

| Sl.No. | Item  | Propasals | Actual work | Remarks  |
|--------|---|-----------|-------------|--|
| 3a     | Number of pit proposed for production   | one       | one         |  |
| 3b     | Quantity of ROM mineral production proposed   | 59003T    | 44800T      |  |
| 3c     | Recovery of sailable/usable mineral from ROM production   |           |             | Entire used for ore except mining loss of approx 2%. |
| 3d     | Quantity of mineral reject generation   | Nil       | nil         |  |
| 3e     | Grade of mineral rejects generation and threshold value declared.                               | Nil       | nil         |  |
| 3f     | Quantity of sub grade mineral generation.   | nil       | Nil         |  |
| 3g     | Grade of sub grade mineral generation   | nil       | nil         |  |
| 3h     | Manual / Mechanised method adopted for segregating from ROM                                     | Nil       | Nil         | Manual size reducion.                                |
| 3i     | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | nil       | nil         |  |

|    |  |   |   |  |
|----|--|---|---|--|
| 3j | Provision of drilling and blasting in mineral benches  | Yes   | yes   | Small dia Jack hammer holes with Slurry Explosives in very small scale used.   |
| 3k | Provision of mining machineries in mineral benches   |   |   | manual operated with small capacity JCB operated for loading.  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes   | Active benches are for mineral only and not for the Overburden. | Active benches are for mineral only and not for the Overburden.  |
| 3m | Total area covered under excavation/pits   | 6.0Ha                                       | 6.0Ha   |  |
| 3n | Ore to OB ratio for the pit/mine during the year.  | Nil   | Nil   | No overburden proposal/achieved in the year 2016-17.   |
| 3o | Total area put in use under different heads at the end of year                                       | O/c 6.0 ha<br>Road 0.4 ha<br>Others 1.69 ha | O/c 6.0 ha<br>Road 0.4 ha<br>Others 1.69 ha                     |  |
| 3p | Production of ROM mineral during the last five year period as applicable                             | 2012-13 to 2016-17 :-<br>0.295 MT           | 2012-13 to 2016-17 :-<br>0.150 MT                               |  |
| 3q | General remarks of inspecting officers on method of mining etc.                                      |   |   | No top soil and overburden proposal/achieved . i.e zero waste mining. This support towards the theme of mineral conservation policy. |

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Solid Waste Management - Dumping:

| Sl.No. | Item   | Propasals | Actual work | Remarks   |
|--------|--|-----------|-------------|---|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | nIL       | nIL         | No proposal for top soil,OB and mineral reject. |

|    |  |               |     |  |
|----|--|---------------|-----|--|
| 4b | Location of topsoil, OB and mineral reject dumps                   | nil           | nil |  |
| 4c | Number of dumps within lease area and outside of lease area        | nil           | nil |  |
| 4e | Number of active and alive dumps.                                  | nil           | nil |  |
| 4f | Number of dead dumps.  | nil           | nil |  |
| 4g | Number of dumps established.                                       | nil           | nil |  |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | na            | nil |  |
| 4i | Length of Retaining wall or garland drain all along dumps          | not available | nil |  |
| 4j | Number of settling ponds   | nil           | nil |  |
| 4k | Specific comments of inspecting officer on waste dump management   |               |     | No proposal for waste/OB/Top soil. This leads towards zero waste mining. |

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Solid Waste Management - Backfilling:

| Sl.No. | Item  | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|---------|
| 5a     | Status of part or full extraction of mineral from mined out area before starting backfilling. | NA        | Nil         |         |
| 5b     | Area under backfilling of mined out area  | nil       | nil         |         |
| 5c     | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     | nil       | nil         |         |

|    |  |     |     |  |
|----|--|-----|-----|--|
| 5d | Total area fully reclaimed and rehabilitated                               | nil | nil |  |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. |     |     | No backfilling proposal made .As zero Waste generation proposal. |

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Progressive Mine Clousre Plan:

| Sl.No. | Item   | Propasals  | Actual work   | Remarks                               |
|--------|--|------------|---------------|---------------------------------------|
| 6a     | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).                               |            | Not submitted | Not submitted, violation pointed out. |
| 6b     | Area available for rehabilitation (ha) .   | Nil        | Nil           |                                       |
| 6c     | afforestation done (ha).   | 0.95 Ha    | 0.50Ha        | For green belt developement.          |
| 6d     | No. of saplings planted during the year  | 190nos.    | 140nos.       |                                       |
| 6e     | Cumulative no .of plants   | 760nos.    | 284nos.       |                                       |
| 6f     | Any other method of rehabilitation   | nil        | nil           |                                       |
| 6g     | Cost incurred on watch and care during the year  | Rs. 9500/- | Rs 9500/-     |                                       |
| 6h     | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | nil        | nil           |                                       |
| 6i     | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings          | nil        | nil           |                                       |

|    |   |     |           |   |
|----|---|-----|-----------|---|
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area      | nil | nil       |   |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | nil | nil       |   |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.                  | nil | nil       |   |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation                                  | nil | nil       |   |
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)                      | nil | nil       |   |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation                     | nil | nil       |   |
| 6p | Compliance of environmental monitoring (core zone and buffer zone)  | yes | available |   |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.         |     |           | As the there is no proposal for waste generation. Minerals not exhausted from the pit. Therefore, no R& R work has been proposed. |

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Mineral Conservation:

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| Sl.No. | Item   | Propasals | Actual work | Remarks   |
|--------|--|-----------|-------------|---|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area                           | ROM       | ROM         |   |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical.                        | Nil       | Nil         | Manual size reduction only.   |
| 7c     | Different grade of mineral sorted out at mines.  | nil       | nil         |   |
| 7d     | Any beneficiation process at mines   | nil       | nil         |   |
| 7e     | General remarks of inspecting officer on Mineral conservation and beneficiation issues |           |             | Zero waste generation proposed this promote zero waste mining policy. |

## Environment:

| Sl.No. | Item  | Propasals | Actual work | Remarks                 |
|--------|---|-----------|-------------|-------------------------|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | Nil       | Nil         |                         |
| 8b     | Concurrent use or storage of topsoil  | Nil       | Nil         | Not generated top soil. |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                            | NA        | nil         |                         |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Nil       | Nil         |                         |

|    |   |          |          |  |
|----|---|----------|----------|--|
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | NA       | Nil;     |  |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41)                    | 760 nos. | 284 nos. | less nos of plants available with respect to proposal.   |
| 8g | Survival rate   |          |          | Survival rate of plant were observed to be very less.  |
| 8h | Water sprinkling on roads to control airborne dust  |          | Yes      | Very small scale manually operated mine.   |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area                          |          |          | Top soil and waste generation were zero. Advice to improve the survival rate of plants by improving the fertilization of soil. |

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Compliance of Rule 45:

| Sl.No. | Item  | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|---------|
| 9a     | Status of submission of Monthly and Annual returns  |           | Submitted   |         |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           |           | furnished.  |         |
| 9c     | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. |           | given       |         |

|    |   |           |  |
|----|---|-----------|--|
| 9d | Scrutiny of Annual return on afforestation                                  | furnished | poor survival rate observed.   |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Nil       |  |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                    | provided  |  |
| 9h | Scrutiny of Annual return on fixed assets                                   |           |  |
| 9k | Scrutiny of Annual return on mining machineries                             |           | Air Compressor details furnished. Further, manually operated mines reported. |

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**Details of violations observed during current inspection and compliance position of violation pointed out**

| Violation observed |            |               | Show cause position |           |               |
|--------------------|------------|---------------|---------------------|-----------|---------------|
| Rule NO.           | Issued on  | Compliance on | Rule NO.            | Issued on | Compliance on |
| MCDR17             | Rule 11(2) | 22/03/2018    |                     |           |               |
| MCDR17             | Rule 26(2) | 22/03/2018    |                     |           |               |
| MCDR17             | Rule 27(2) | 22/03/2018    |                     |           |               |

**Date :****( SURESH PRASAD )**

Indian Bureau of Mines