

**MCDR INSPECTION REPORT**

**Date of Inspection:** 16.04.2018

**Type of Inspection:** Mining Plan Inspection

**Name of Inspection officer:** Darshan Deep Bhardwaj **Designation:** Senior Asst. Controller of Mines

**1.0 GENERAL**

| SN | Particulars  | Details   |
|----|--|---|
| 1  | Name of the Mine   | Dharmendra Bauxite Mine   |
| 2  | Total Lease Area (Ha) with breakup of Non-forest and forest land                                     | 10.12 ha.<br>Non Forest   |
| 3  | Minecode   | 07-GUJ-14004  |
| 4  | IBM Registration Number under rule 45 of MCDR, 1988  | IBM/8470/2012   |
| 5  | Name of the lessee, Address, phone, email and fax number   | M/s. Vimalben Somnath Patel<br>61,Swipark Society, Ghatlodia, P.O. Ahmedabad –<br>380061 Mo. 8989078887 |
| 6  | Village  | Ambaliyara  |
| 7  | Taluka/Mandal  | Bayad   |
| 8  | District   | Aravalli  |
| 9  | Pincode  | 380061  |
| 10 | State  | Gujarat   |
| 11 | Post office  | Ambaliyara Around 1 Km  |
| 12 | Nearest police station   | Ambaliyara Around 1 Km  |
| 13 | Nearest Railway station  | Ahemadabad Around 65.2 Kms  |
| 14 | Date of Grant of Mining Lease  | 16.12.1974  |
| 15 | Date of Execution  | 31.03.1975  |
| 16 | Date of opening of Mine  | 01.04.1975  |
| 17 | Date of first Renewal, if applicable and its period & expiry   | Lease period up to 30.03.2025(50 years)   |
| 18 | Date of second Renewal, if applicable and its period & expiry  | Lease period up to 30.03.2025(50 years)   |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | N.A.  |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment           | M/s. Vimalben Somnath Patel<br>61,Swipark Society, Ghatlodia, P.O. Ahmedabad - 380061                   |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment                | None  |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of                         | None  |

|  |                      |  |
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|  | appointment in mines |  |
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| 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine  | None                                  |
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.           | None                                  |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.           | 22.05.2018<br>From 2018-19 to 2022-23 |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | None                                  |
| 27 | Mineral(s) granted in lease and proved for mining   | Bauxite                               |
| 28 | Method of Mining(Open cast, Underground)  | Open cast                             |
| 29 | Category (Fully Mechanised, Others or Manual)   | Semi Mechanised                       |
| 30 | Captive/Non Captive   | Non Captive                           |

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

**Exploration**

| SN | Item  | Proposals (2017-18)                                     | Actual work (2017-18)   | Remarks |
|----|---|---|---|---------|
| 1a | Backlog of previous year                                | NA, As there was no mining plan approved for the period | N/A, During inspection the mine was suspended under Rule 11(2) of MCDR 2017       |         |
|    |   | NA  | As per the Mining Plan submitted, there is no production done in the year 2017-18 |         |
| 1b | Exploration over lease area for Geological axis 1 or 2. | NA  | Area is explored by Prospecting pits  |         |

|    |  |   |       |  |
|----|--|---|-------|--|
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year    | NA  | NA    |  |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2     | NA  | NA    |  |
| 1e | Balance reserves as on 01.04.2017                                  | N/A   | 89467 |  |
| 1f | General remarks of inspecting officer on geology, exploration etc. | In the lease bauxite is occurring and top portion of bauxite is bouldery followed by clay bauxite at the bottom. The area is explored by means of the pits/trenches |       |  |

### **2.0 Development**

| SN | Item  | Proposals ( 2017-18)   | Actual work ( 2017-18) | Remarks |
|----|---|--|------------------------|---------|
| 2a | Location of development w.r.t. lease area   | NA   | Nil                    |         |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15)                           | NA   | Nil                    |         |
| 2c | Stripping ratio or ore to OB ratio  | NA   | Nil                    |         |
| 2d | Quantity of topsoil generation in m3  | NA   | Nil                    |         |
| 2e | Quantity of overburden generation in m3   | NA   | Nil                    |         |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | As per the Mining plan submitted, there is no production done by the lessee during the last three years. |                        |         |

### **3.0 Exploitation**

| SN | Item  | Proposals (2017-18) | Actual work (2017-18) | Remarks |
|----|---|---------------------|-----------------------|---------|
| 3a | Number of pits proposed for production  | NA                  | Nil                   |         |
| 3b | Quantity of ROM mineral production proposed   | NA                  | Nil                   |         |
| 3c | Recovery of salable/usable mineral from ROM production                                      | NA                  | Nil                   |         |
| 3d | Quantity of mineral reject generation   | NA                  | Nil                   |         |
| 3e | Grade of mineral reject generation and threshold value declared                             | NA                  | Nil                   |         |
| 3f | Quantity of sub-grade mineral generation  | NA                  | Nil                   |         |
| 3g | Grade of sub-grade mineral generation   | NA                  | Nil                   |         |
| 3h | Manual / Mechanised method adopted for segregating from ROM                                 | NA                  | Nil                   |         |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | NA                  | Nil                   |         |

|    |  |  |   |  |
|----|--|--|---|--|
| 3j | Provision of drilling & blasting in mineral benches  | NA   | Nil   |  |
| 3k | Provision of mining machineries in mineral benches   | NA   | Nil   |  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | NA   | Nil   |  |
| 3m | Total area covered under excavation/pits   | NA   | 3.5 Ha  |  |
| 3n | Ore to OB ratio for the pit/mine during the year   | NA   | NA  |  |
| 3o | Total area put in use under different heads at the end of year                                       | NA   | Pit-<br>3.5428<br>Waste/reject<br>0.1047<br>Others-<br>6.4725                                       |  |
| 3p | Production of ROM mineral during last five-year period, as applicable                                | N/A  | Yr-2013-14<br>40933<br>Yr-2014-15<br>94023<br>Yr-2015-16- Nil<br>Yr-2016-17- Nil<br>Yr-2017-18- Nil |  |
| 3q | General remarks of inspecting officer on method of mining etc.                                       | As per the Mining plan submitted, there is no production done by the lessee during the last three years. |   |  |

#### **4.0 Solid Waste Management-Dumping**

| SN | Item  | Proposals (2017-18) | Actual work (2017-18) | Remarks |
|----|---|---------------------|-----------------------|---------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)    | NA                  |                       |         |
| 4b | Location of topsoil, OB & mineral reject dumps                    | NA                  |                       |         |
| 4c | Number of dumps within lease area and outside lease area          | NA                  | 2                     |         |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)             | NA                  | Central part of lease |         |
| 4e | Number of active & alive dumps                                    | NA.                 | 2 Nos                 |         |
| 4f | Number of dead dumps  | NA                  |                       |         |
| 4g | Number of dumps established                                       | NA                  |                       |         |
| 4h | Whether Retaining wall or garland drain all along dumps are there | NA                  |                       |         |
| 4i | Length of Retaining wall or garland drain all along dump          | NA                  |                       |         |
| 4j | Number of settling ponds  | NA                  |                       |         |

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|----|---|--|
| 4k | Specific comments of inspecting officer | As per the Mining plan submitted, there is no production done by the lessee during the last three years. |
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### **5.0 Solid Waste Management-Backfilling**

| SN | Item   | Proposals 2017-18                       | Actual work 2017-18 | Remarks |
|----|--|---|---------------------|---------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | NA                                      | Nil                 |         |
| 5b | Area under backfilling of mined out area   | NA                                      | About 0.7 Ha        |         |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)      | NA                                      | NA                  |         |
| 5d | Total area fully reclaimed & rehabilitated   | NA                                      | NA                  |         |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc                        | The area of about 0.7 Ha is backfilled. |                     |         |

### **6.0 Progressive Mine Closure Plan**

| SN | Item  | Proposals 2017-18 | Actual work 2017-18 | Remarks |
|----|---|-------------------|---------------------|---------|
| 6a | Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.   | NA                | NA                  |         |
| 6b | Management of worked/mined out benches<br>i) Area available for rehabilitation (ha)<br>ii) Afforestation done (ha)<br>iii) No. of saplings planted during the year<br>iv) Cumulative no. of plants<br>v) Any other specific method of rehabilitation<br>vi) Cost incurred on watch & care during the year | NA                | NA                  |         |
| 6c | Compliance on reclamation and rehabilitation by backfilling<br>i) Voids available for backfilling (L X B X D)<br>ii) Void filled by waste/tailings<br>iii) Afforestation on the backfilled area<br>iv) Rehabilitation by making water reservoir   | NA                | NA                  |         |

|    |   |   |    |  |
|----|---|---|----|--|
|    | v) Any other specific means   |   |    |  |
| 6d | Compliance of Rehabilitation of waste land within lease<br>i) Afforestation<br>ii) Area rehabilitated (ha)<br>iii) Method of rehabilitation | NA  | NA |  |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone)  | NA  | NA |  |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive  | As per the Mining plan submitted, there is no production done by the lessee during the last three years |    |  |

### **7.0 Mineral Conservation**

| SN | Item   | Proposals 2017-18   | Actual work 2017-18 | Remarks |
|----|--|---|---------------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area                         | NA  | Nil                 |         |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical                       | NA  | Nil                 |         |
| 7c | Different grade of mineral sorted out at mines                                       | NA  | Nil                 |         |
| 7d | Any beneficiation process at mines   | NA  | Nil                 |         |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | As per the Mining plan submitted, there is no production done by the lessee during the last three years |                     |         |

### **8.0 Environment**

| SN | Item  | Proposals 2017-18 | Actual work 2017-18 | Remarks |
|----|---|-------------------|---------------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | NA                | Nil                 |         |
| 8b | Concurrent use or storage of                          |                   | Nil                 |         |

|    |   |   |     |  |
|----|---|---|-----|--|
|    | topsoil   | NA  |     |  |
| 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           | NA  | 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 & additional plantation done (Rule 41)                      | NA  | Nil |  |
| 8g | Survival rate   | NA  | Nil |  |
| 8h | Water sprinkling on roads to control airborne dust  | NA  | Nil |  |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are                           | As per the Mining plan submitted, there is no production done by the lessee during the last three years |     |  |

### 9.0 Compliance of Rule 45

| S. N. | Item  | COMMENTS   |                                   | Remarks                           |
|-------|---|--|-----------------------------------|-----------------------------------|
|       | Status of submission of Online Monthly and Annual returns                                     | M.R. Submitted upto till date -<br>A.R. submitted for the year - |                                   | Online returns are not submitted. |
| S. N. | Item  | Details GIVEN in A.R.2017-18                                     | Observation of Inspecting officer | Remarks                           |
| 9b    | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | NA   |                                   |                                   |
| 9c    | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | NA   |                                   |                                   |
| 9d    | Scrutiny of Annual return on afforestation  | NA   |                                   |                                   |
| 9e    | Scrutiny of Annual return on mineral reject generation (Grade & quantity)                     | NA   |                                   |                                   |
| 9f    | Scrutiny of Annual return on ROM stock  | NA   |                                   |                                   |

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|----|---|----|--|--|
|    | and/or graded ore   |    |  |  |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | NA |  |  |
| 9i | Scrutiny of Annual return on fixed assets                                 | NA |  |  |
| 9k | Scrutiny of Annual return on mining machineries                           | NA |  |  |

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

This mines is already suspended under Rule 11(2) of MCDR vide letter No. 686(5)/Violation/2017-Gandhinagar/1450, dated 06.11.2017 for violation of Rule 11(4) as there was no approved mining plan of the lease and hence no further violation are being issued. As on date the above suspension order exist as the suspension order is not revoked.

**Date: 8.06.2018**

**Darshan Deep Bhardwaj  
Senior Asst. Controller of Mines**