

MCDR INSPECTION REPORT**1.0 GENERAL**

| S.N. | Particulars | Details |
|-------|---|--|
| 1 (a) | Name of the Mine | Taiyabpura Bauxite Mine |
| 1(b) | Name of Inspecting Officer | Ashish Pal, Assistant Mining Geologist |
| 1 (c) | Accompanying Mines Representatives | Rakesh Dodiya, Mining Engineer |
| 1(d) | Type of Inspection | MCDR/SDF |
| 1(e) | Date of Inspection | 24-12-2024 |
| 2. | Total Lease Area (Ha) with breakup of Non-forest and forest land | Total ML area – 1.00 Ha. Forest land – 0.0 Non Forest land – 1.00 Ha. |
| 3 | Mine-code | 07GUJ09019 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/9072/2012 |
| 5 | Name of the lessee, Address, phone, email and fax number | Sh. Janakkumar kantilal Sadhu R/o 2531, Alkapuri Society, Opp Pranami Temple, Dakor Ta : Thasra, Dist : Kheda, Gujarat- 388 225 Ph.-02699-244127, E-mail: info@rkminesandminerals.com |
| 6 | Village | Taiyabpura |
| 7 | Taluka/Mandal | Kapadvanj |
| 8 | District | Kheda |
| 9 | Pin code | 387620 |
| 10 | State | Gujarat |
| 11 | Post office | Kapadvanj |
| 12 | Nearest police station | Kapadvanj |
| 13 | Nearest Railway station | Kapadvanj |
| 14 | Date of Grant of Mining Lease | 30-08-1990 |
| 15 | Date of Execution | 28-01-1991 |
| 16 | Date of opening of Mine | -- |
| 17 | Date of first Renewal, if applicable and its period & expiry | 30-11-2009 |
| 18 | Date of second Renewal, if applicable and its period & expiry | -- |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | Extension up to 27-01-2041 on 21-03-2020 |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Sh. Janakkumar kantilal Sadhu R/o 2531, Alkapuri Society, Opp Pranami Temple, Dakor Ta : Thasra, Dist : Kheda, Gujarat- 388 225 Ph.-02699-244127, E-mail: info@rkminesandminerals.com |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | NA |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | NA |
| 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | NA, Temporary Discontinue from 28.02.2023 |
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | NA, Temporary Discontinue from 28.02.2023 |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | 684(4)(1)/MP-313 Mining Plan approval date 17-10-2011. |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | Review of Mining plan approval date 02-02-2016. Review of Mining plan approval date 04-02-2021. |
| 27 | Mineral(s) granted in lease and proved for mining | Bauxite |
| 28 | Method of Mining (Opencast, Underground) | Opencast |
| 29 | Category (Fully Mechanised, Others or Manual) | others |
| 30 | Captive/Non Captive | Non-Captive |

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

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|--|---------------------|-----------------------|---------|
| 1a | Backlog of previous year | No proposal | Nil | - |
| 1b | Exploration over lease area for Geological | G1- 1ha | G1- 1ha | Mine is |

| | | | | |
|----|--|---|---------|--------------|
| | axis 1 or 2. | G2- Nil | G2- Nil | non-working. |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | No proposal | Nil | - |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No proposal | Nil | - |
| 1e | Balance reserves as on 31.03.2024 (Tonnes) | Violation observed under rule 45(5)(c), the reserve/resources data as provided in returns is incorrect. | | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | There is no production in the year 2023-24. | | |

2.0 Development

| S N | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|-----|---|---|-----------------------|----------------------|
| 2a | Location of development w.r.t. lease area | One location was proposed | Nil | Mine is non-working. |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | Nil | Nil | - |
| 2c | Stripping ratio or ore to OB ratio | 1:0 | Nil | - |
| 2d | Quantity of topsoil generation in m3 | No proposal | Nil | - |
| 2e | Quantity of overburden generation in m3 | No proposal | Nil | - |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | There is no proposal of topsoil and overburden in mine. Environment Clearance Certificate due to be obtained. Therefore, mining operations are not carried out. | | |

3.0 Exploitation

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|--|---|---|---|
| 3a | Number of pits proposed for production | 1 | Approx.210x33x5m | Mining operations are not carried out due to EC is not granted. |
| 3b | Quantity of ROM mineral production proposed | 9,004 T | Nil | |
| 3c | Recovery of saleable/usable mineral from ROM production | No proposal of recovery 100% ROM is usable | 0 % | |
| 3d | Quantity of mineral reject generation | No proposal | Nil | |
| 3e | Grade of mineral reject generation and threshold value declared | No proposal | Nil | |
| 3f | Quantity of sub-grade mineral generation | No proposal | Nil | |
| 3g | Grade of sub-grade mineral generation | No proposal | Nil | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanised | Nil | |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | No proposal | Nil | |
| 3j | Provision of drilling & blasting in mineral benches | No proposal | Nil | |
| 3k | Provision of mining machineries in mineral benches | Rock breaker | Nil | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 6m max. | 5 m | |
| 3m | Total area covered under excavation/pits | 0.7 Ha | Approx. 0.69 Ha | |
| 3n | Ore to OB ratio for the pit/mine during the year | 1:0 | Nil | |
| 3o | Total area put in use under different heads at the end of year | 0.645 Ha | Not Operated | |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2019-20: 11543 T 2020-21: 11448 T 2021-22: 8550 T | 2019-20: 50,000 T 2020-21: Nil 2021-22: Nil | |

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|----|--|---|-------------------------------|--|
| | | 2022-23: 9000 T 2023-24: 9,004 T | 2022-23: 24 T 2023-24: Nil | |
| 3q | General remarks of inspecting officer on method of mining etc. | Environment Clearance Certificate has not been granted to the lessee. Therefore, mining operation is not carried out. | | |

4.0 Solid Waste Management-Dumping

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks | |
|----|---|---|-----------------------|---------|--|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Nil | Nil | | |
| 4b | Location of topsoil, OB & mineral reject dumps | Nil | Nil | | |
| 4c | Number of dumps within lease area and outside lease area | Nil | Nil | | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Nil | Nil | | |
| 4e | Number of active & alive dumps | Nil | Nil | | |
| 4f | Number of dead dumps | Nil | Nil | | |
| 4g | Number of dumps stabilised | Nil | Nil | | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | Nil | Nil | | |
| 4i | Length of Retaining wall or garland drain all along dump | Nil | Nil | | |
| 4j | Number of settling ponds | Nil | Nil | | |
| 4k | Specific comments of inspecting officer | There is no proposal of waste dump in the lease area. | | | |

5.0 Solid Waste Management-Backfilling

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|--|--|-----------------------|---------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Nil | Nil | - |
| 5b | Area under backfilling of mined out area | Nil | Nil | - |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Nil | Nil | - |
| 5d | Total area fully reclaimed & rehabilitated | Nil | Nil | - |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | No proposal of backfilling and no solid waste generated. | | |

6.0 Progressive Mine Closure Plan

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|-------|--|-----------------------------|-----------------------|---|
| 6a | Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). | Yes submitted on 19-06-2024 | | EC has not been granted to the lessee; therefore mining operations are not being carried out. |
| 6b | Management of worked/mined out benches i) Area available for rehabilitation (ha) | No Proposal | NA | |
| (ii) | Afforestation done (ha) | 0.05 ha | 0.05 ha | - |
| (iii) | No. of saplings planted during the year | 50 | 50 | |
| (iv) | Cumulative no. of plants | 320 | 320 | |
| (v) | Any other specific method of rehabilitation | Nil | Nil | - |
| (vi) | Cost incurred on watch & care during the year | No Proposal | Nil | - |
| 6c | Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) | No Proposal | Nil | - |

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|-------|---|--|-----|--|
| (ii) | Compliance on reclamation and rehabilitation by backfilling ii) Void filled by waste/tailings | No Proposal | Nil | |
| (iii) | Compliance on reclamation and rehabilitation by backfilling iii) Afforestation on the backfilled area | No Proposal | Nil | |
| (iv) | Compliance on reclamation and rehabilitation by backfilling iv) Rehabilitation by making water reservoir | No Proposal | Nil | |
| (v) | Compliance on reclamation and rehabilitation by backfilling v) Any other specific means | No Proposal | Nil | |
| 6d | Compliance of Rehabilitation of waste land within lease (i) Afforestation | No Proposal | Nil | |
| | Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) | No Proposal | Nil | |
| | Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation | No Proposal | Nil | |
| 6e | General remarks of inspecting officer on PMCP compliance & progressive | PMCP as per proposal has been carried out. | | |

7.0 Mineral Conservation

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|--|--|-----------------------|-------------------------------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | No Proposal | Nil | As per approved cement grade. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Manual | Manual | - |
| 7c | Different grade of mineral sorted out at mines | No Proposal | NA | - |
| 7d | Any beneficiation process at mines | No Proposal | NA | - |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | No proposal of dispatch or grade-wise sorting and beneficiation process. | | |

8.0 Environment

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|---|---------------------|----------------------------------|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No proposal | NA | |
| 8b | Concurrent use or storage of topsoil | No proposal | NA | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No proposal | NA | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No proposal | NA | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No proposal | NA | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | 50 | 50 | Less survival as plants washed away due to heavy rain. |
| 8g | Survival rate | 70% | 60% | |
| 8h | Water sprinkling on roads to control airborne dust | Proposed | as per proposal by water tankers | |

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| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | Mine is surrounded by little to no vegetation. |
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9.0 Compliance of Rule 45

| S.N | Item | COMMENTS | Remarks |
|-----|--|--|---------|
| 9a. | Status of submission of Monthly and Annual returns | All the monthly returns for the year 2023-24 submitted. Annual return was submitted for the year 2023-24 on 19-06-2024. | |

| S.N | Item | Details Given in Annual return | Observation of I/c Officer | Remarks |
|-----|---|---|---|---------|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Details of Mining Engineer, Geologist and Mine Manager in annual return 2023-24 has been mentioned. | | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Nil | | |
| 9d | Scrutiny of Annual return on afforestation | Trees Planted:50 No. Survival Rate: 60% | Plantation has been observed in 7.5 m safety barrier zone. | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | No production reported | - | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | No production reported | - | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | No dispatch reported | Nil | |
| 9i | Scrutiny of Annual return on fixed assets | Nil | | |
| 9k | Scrutiny of Annual return on mining machineries | Shovel (Hydraulic) 0.900 Cum Water Tanker 5000.000 Litre 1 | Shovel (Hydraulic) 0.900 Cum Water Tanker 5000.000 Litre 1 | |

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

- i. As per office record, violation had been given on Rules 34A on 18-10-2023 and the same has been complied on 29-11-2023.
- ii. Lessee has submitted the Temporary discontinuous notice of mining operation w.e.f. 28-02-2023 in form-E to this office on 01-6-2023.
- iii. Drone data has been submitted on DDMS portal. The data has been analysed and not found as per SOP therefore referred back on DDMS portal.
- iv. Report has been uploaded in MIDPAS.
- v. The MCDR/SDF inspection was done on 24-12-2024 & No mining works were observed during the time of inspection.
- vi. Discrepancy has been observed in annual return 2023-24 therefore show cause notice is being issued.
- vii. Star Rating validation of Mine has been done. Mine remains in 3 Star as self-assessed by Lease.

Ashish Pal,
Assistant Mining Geologist
Indian Bureau of Mines
