

MCDR INSPECTION REPORT**Name of the Mine:** Tantra Bauxite Mine, of Shri Prabhudayal Agrawal, 07ORI13004**Name of the Inspecting Officer :** Shri Sanjay Kumar Mahapatra, ACOM**Name of the accompanying official:** Sri P R Mishra, Qualified Person**Date of Inspection:** 07.11.2023.

| S. N. | Particulars | Details |
|--------------|--|---|
| 1 | Name of the Mine | Tantra Bauxite Mine |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 106.138 Ha |
| 3 | Mine code | 07ORI13004 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/7334/2011 |
| 5 | Name of the lessee, Address, phone, email and fax number | Shri Prabhudayal Agrawal, Tantra Bauxite Mine GUJRATI SCHOOL/B N LAL HOUSE/2350/3653 SAN SARA/WORD 12 SADAR Sambalpur, PIN - 768001 Odisha, pdasbp@yahoo.com |
| 6 | Village | Tantra |
| 7 | Taluka/Mandal | Koida |
| 8 | District | SUNDARGARH |
| 9 | Pin code | 770042 |
| 10 | State | ODISHA |
| 11 | Post office | Tensa |
| 12 | Nearest police station | Tensa |
| 13 | Nearest Railway station | Barsuan |
| 14 | Date of Grant of Mining Lease | 08/07/1991 |
| 15 | Date of Execution | 08.07.1991 Transferred lease deed made on 25/01/2002 |

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Date of opening of Mine

Mining operation was discontinued w.e.f. 08.07.2011 for continuous period of more than two years, for which the said lease was declared as lapsed under the provisions of 4A(4) of MMDR Act, 1957 read with rule 28(1) of MC Rules, 1960 vide G.P. No. 9625/SM dt. 29.09.2015. The lessee challenged before the Revisional Authority against the lapsing order of the State Govt. This is a Non-working Subsisting lease as communicated by the State Govt. for processing of submitted Review of Mining Plan in MPAS system

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|----|---|---|
| 17 | Date of first Renewal, if applicable and its period & expiry | 08.07.2011 |
| 18 | Date of second Renewal, if applicable and its period & expiry | Not applicable. |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | Not applicable. |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Shri Prabhudayal Agrawal, Tantra Bauxite Mine GUJRATI SCHOOL/B N LAL HOUSE/2350/3653 SAN SARA/WORD 12 SADAR Sambalpur, PIN - 768001 Odisha, pdasbp@yahoo.com |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Not appointed as this is a Non-working subsisting lease. |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification | Not appointed as This is a Non-working subsisting lease. |
| 23 | Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine, | Not appointed as This is a Non-working subsisting lease. |
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Not appointed as This is a Non-working Sustentative lease. |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | 22.11.2010 (From 2011-12 to 2015-16) Vide Letter No. 314(3)/2010-MCCM(CZ)/MP-20 dated :22.11.2010 |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | NIL |
| 27 | Mineral(s) granted in lease and proved for | Bauxite |
| 28 | Method of Mining(Open cast, Underground) | Open cast |
| 29 | Category (Fully Mechanized, Others or Manual) | Fully Mechanized |

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30 Captive/Non Captive

Non Captive

Exploration:

| S.N. | Item | Proposals | Actual work | Remarks |
|------|--|-----------|-------------|---|
| 1a | Backlog of previous year | Nil | Nil | This is a Non-working Subsisting lease as communicated by the State Govt |
| 1b | Exploration over lease area for Geological axis 1 or 2. | Nil | Nil | there was no Review of Mining Plan for the period 2016-17 to 2020-21 |
| 1c | Exploration Agency & 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 reserves as on 01.04.2020 | Nil | Nil | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | | | This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued. |

2. Development:

| S.N. | Item | Proposals | Actual | Remarks |
|------|---|-----------|--------|---|
| 2a | Location of development w.r.t. lease area | Nil | Nil | There was no Review of Mining Plan for the period 2016-17 to 2020-21 |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | Nil | Nil | Hence no proposal or achievement |
| 2c | Stripping ratio or ore to OB ratio | Nil | Nil | |
| 2d | Quantity of topsoil generation in m ³ | Nil | Nil | |
| 2e | Quantity of overburden generation in m ³ | Nil | Nil | |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | | | This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued. |

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Exploitation (2022-23)

| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|--|------------------|--------------------|--|
| 3a | Number of pits proposed for production | Nil | Nil | There was no Review of Mining Plan for the period 2016-17 to 2020-21 Hence no proposal or achievement |
| 3b | Quantity of ROM mineral production proposed | Nil | Nil | |
| 3c | Recovery of salable/usable mineral from ROM production | Nil | Nil | |
| 3d | Quantity of mineral reject generation | Nil | Nil | |
| 3e | Grade of mineral reject 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 / Mechanized method adopted for segregating from ROM | Nil | Nil | |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral | Nil | Nil | |
| 3j | Provision of drilling & blasting in mineral benches | Nil | Nil | |
| 3k | Provision of mining machineries in mineral benches | Nil | Nil | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Nil | Nil | |
| 3m | Total area covered under excavation/pits | Nil | Nil | |
| 3n | Ore to OB ratio for the pit/mine during the year | Nil | Nil | |

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|--|-----|-----|
| Total area put in use under different heads at the end of year | Nil | Nil |
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|----|---|-----|-----|
| 3p | Production of ROM mineral during the last five year period as applicable. | Nil | Nil |
|----|---|-----|-----|

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| 3q | General remarks of inspecting officer on method of mining etc. | This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued. | |
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3. Solid Waste Management-Dumping:

| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|---|------------------|--------------------|--|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Nil | Nil | There was no Review of Mining Plan for the period 2016-17 to 2020-21 |
| 4b | Location of topsoil, OB & mineral reject dumps | Nil | Nil | Hence no proposal or achievement |
| 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 stabilized | 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 | |

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4j

Number of settling ponds Nil

Nil

4k Specific comments of inspecting officer on waste dump management This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued.

4. Solid Waste Management-Backfilling:

| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|--|---|--------------------|--|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Nil | Nil | There was no Review of Mining Plan for the period 2016-17 to 2020-21 |
| 5b | Area under backfilling of mined out area | Nil | Nil | Hence no proposal or achievement |
| 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 | This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued. | | |

5. Progressive Mine Closure Plan:

| S.N. | Item | Proposals | Actual work | 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. | Nil | Nil | There was no Review of Mining Plan for the period 2016-17 to 2020-21 Hence no proposal or achievement |
| 6b | Area available for rehabilitation (ha) | Nil | Nil | |
| 6c | Afforestation done (ha) | Nil | Nil | |
| 6d | No. of saplings planted during the year | Nil | Nil | |
| 6e | Cumulative no. of plants | Nil | Nil | |
| 6f | Any other specific method of rehabilitation | Nil | Nil | |
| 6g | Cost incurred on watch & care during the year | Nil | Nil | |

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|----|---|---|-----|
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D). | Nil | Nil |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings. | Nil | Nil |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the 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 rehabilitated (ha) Method of rehabilitation | Nil | Nil |
| 6o | Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation | Nil | Nil |
| 6p | Compliance of Environmental monitoring (core zone & buffer zone) | Nil | Nil |
| 6q | General remarks of inspecting officer on PMCP compliance & progressive closure operations | This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued. | |

6. Mineral Conservation:

| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|--|------------------|--------------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Nil | Nil | There was no Review of Mining Plan for the period 2016-17 to 2020-21 |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Nil | Nil | Hence no proposal or achievement |
| 7c | Different grade of mineral sorted out at mines | Nil | Nil | |
| 7d | Any beneficiation process at mines | Nil | Nil | |

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7e

General remarks of inspecting officer on Mineral conservation & beneficiation issues

This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued.

7. Environment:

| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|---|------------------|--------------------|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Nil | Nil | There was no Review of Mining Plan for the period 2016-17 to 2020-21 Hence no proposal or achievement |
| 8b | Concurrent use or storage of topsoil | Nil | Nil | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Nil | 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) | Nil | Nil | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | Nil | Nil | |
| 8g | Survival rate | Nil | Nil | |
| 8h | Water sprinkling on roads to control airborne dust | Nil | Nil | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | This is a Non-working Subsisting lease as communicated by the State Govt. there was no Review of Mining Plan for the period 2016-17 to 2020-21. Thus violation of Rule 11(4) of MCDR 2017 issued |

Compliance of Rule 45 (2022-23)

| S.N. | Item | Proposals | Remark |
|-------------|---|------------------|--|
| 9a | Status of submission of Monthly and Annual returns | Nil | The validity of the lease period has not been extended under section 8A(3) of MMDR (Amendment)Act, 2015 by the State govt. Mining operation was discontinued with effect from. 08.07.2011 for continuous period of more than two years, for which the said lease was declared as lapsed under the provisions of 4A(4) of MMDR Act, 1957 read with rule 28(1) of MCR, 1960 vide |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Nil | |

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9c

Scrutiny of Annual return on land Nil
use pattern for area under pits,
reclaimed area, dumps etc.

G.P. No. 9625/SM dt. 29.09.2015. The
lessee challenged before the Provisional
Authority against the lapsing order of the
State Govt. This is a Non-working
Subsisting lease as communicated by the
State Govt. No returns submitted.

Drone Survey Information and data thereof:- Submitted on dated 21.11.2023