

MCDR INSPECTION REPORT

Name of the Mine: Nuagaon Iron & Manganese Ore Mine, of Shiv Dutt Sharma, 30ORI13015

Name of the Inspecting Officer : Shri Sanjay Kumar Mahapatra, AME

Name of the accompanying official: Shri B N Samal, Agent and Shri Minaketan Nayak, QP

State Government officer: Shri P Sahani, JMO

Date of Inspection: 06.03.2023.

General Information:-

| S. N. | Particulars | Details |
|--------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Name of the Mine | Nuagaon Iron & Manganese Ore Mine |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | Total Lease Area (Ha): 12.942 Non-forest land:1.602 Ha Forest land: 11.34 Ha |
| 3 | Mine code | 30ORI13015 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/6295/2011 |
| 5 | Name of the lessee, Address, phone, email and fax number | Shiv Dutt Sharma Sharma House, Barbil, Keonjhar |
| 6 | Village | Nuagaon |
| 7 | Taluka/Mandal | Koira |
| 8 | District | Sundargarh |
| 9 | Pin code | 770048 |
| 10 | State | Odisha |
| 11 | Post office | Koira |
| 12 | Nearest police station | Koira |
| 13 | Nearest Railway station | Barsuan |
| 14 | Date of Grant of Mining Lease | 7th May 1985 |
| 15 | Date of Execution | 7th May 1985 |
| 16 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Sri Shiv Dutt Sharma Po- Barbil. P. S. - Barbil Dist-Keonjhar Orissa. Telephone no- 06767-275335 sdsharmamines@yahoo.com |
| 17 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Sri B.N. Samal Chakeisiani, Bhubaneswar Telephone no- 8895439369 samalbn72@gmail.com Date of appointment :08.11.2022 |
| 18 | Name of the Mines Manager with Address, phone, email, fax number and date of | Recruitment will be done after the opening of the mine. Presently Mine is Non- Working. Since 01.04.2009 |

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| appointment in mines | |
| 19 Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Recruitment will be done after the opening of the mine. Presently Mine is Non- Working. Since 01.04.2009 |
| 20 Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Recruitment will be done after the opening of the mine. Presently Mine is Non- Working. Since 01.04.2009 |
| 21 Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | The Mining Plan under Rule 24 (A) of MCR, 1960 for the period of 2005-06 to 2009-10 was approved vide letter No. BBS/SG/Fe&Mn/MP-287 on dated 12.01.2007. |
| 22 Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | The Mining Scheme under Rule 12 of MCDR, 1988 for the period of 2010-11 to 2014-15 was approved vide letter No. MS/OTF-MECH/36-ORI/BHU/2010-11 on dated 17.09.2010. |
| 23 Mineral(s) granted in lease and proved for mining | Iron Ore & Manganese Ore |
| 24 Method of Mining (Opencast, Underground) | Opencast |
| 25 Category (Fully Mechanized, Others or Manual) | Other Than Fully Mechanized |
| 26 Captive/Non-Captive | Non-Captive |

Details about Mining Plan/ Mining Scheme

- a) Letter No. and date of approval of mining plan: letter No. BBS/SG/Fe&Mn/MP-287 on dated 12.01.2007.
- b) Letter No. and date of approval of Review of Mining Plan: letter No. MS/OTF-MECH/36-ORI/BHU/2010-11 on dated 17.09.2010.
- c) Period of mining plan/ mining scheme in force: NA

MCDR Report

1. Scientific Mining:

Exploration:

| S.N. | Item | Proposals | Actual work | Remarks |
|------|--------------------------|-----------|-------------|------------------------------------|
| 1a | Backlog of previous year | Nil | Nil | Mining work was s t o p p e d from |

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|----|-----------------------------------------------------------------|-----|--------------------------------------------------------------|-------------------------------------------------------|
| 1b | Exploration over lease area for Geological axis 1 or 2. | Nil | Nil | 01.04.2009 Mining work was stopped from 01.04.2009 |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 1e | Balance reserves as on 01.04.2022 | | Iron Ore- 1361277.54 MT Mn Ore- 650556.864 MT | Presently Mine is Non- Working. Since 01.04.2009 |

2. Development:

| S.N. | Item | Proposals | Actual work | Remarks |
|------|---------------------------------------------------------------|-----------|-------------|-----------------------------------------|
| 2a | Location of development w.r.t. lease area | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 2c | Stripping ratio or ore to OB ratio | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 2d | Quantity of topsoil generation in m ³ | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 2e | Quantity of overburden generation in m ³ | Nil | Nil | Mining work was stopped from 01.04.2009 |

3. Exploitation

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| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|---------------------------------------------------------------------------------------------|------------------|--------------------|-----------------------------------------|
| 3a | Number of pits proposed for production | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3b | Quantity of ROM mineral production proposed | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3c | Recovery of salable/usable mineral from ROM production | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3d | Quantity of mineral reject generation | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3e | Grade of mineral reject generation and threshold value declared | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3f | Quantity of sub-grade mineral generation | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3g | Grade of sub-grade mineral generation | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3h | Manual / Mechanized method adopted for segregating from ROM | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3j | Provision of drilling & blasting in mineral benches | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3k | Provision of mining machineries in mineral | Nil | Nil | Mining work was stopped from 01.04.2009 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------------------------|
| 3l | benches Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3m | Total area covered under excavation/pits | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3n | Ore to OB ratio for the pit/mine during the year | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3o | Total area put in use under different heads at the end of year | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 3p | Production of ROM mineral during the last five-year period as applicable. | Nil | Nil | Mining work was stopped from 01.04.2009 |

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4. Solid Waste Management-Dumping:

| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|----------------------------------------------------------------------------|------------------|------------------------|-----------------------------------------------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4b | Location of topsoil, OB & mineral reject dumps | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4c | Number of dumps within lease area and outside lease | Nil | Nil | Mining work was stopped from 01.04.2009 |

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|----|-------------------------------------------------------------------|-----|-----|-----------------------------------------|
| | area | | | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4e | Number of active & alive dumps | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4f | Number of dead dumps | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4g | Number of dumps stabilized | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4h | Whether Retaining wall or garland drain all along dumps are there | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4i | Length of Retaining wall or garland drain all along dump | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 4j | Number of settling ponds | Nil | Nil | Mining work was stopped from 01.04.2009 |

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5. 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 | Mining work was stopped from 01.04.2009 |
| 5b | Area under backfilling of mined out area | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 5d | Total area fully | Nil | Nil | Mining work |

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reclaimed
& Rehabilitatedwas stopped
from
01.04.2009**6. 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 | Mining work was stopped from 01.04.2009 |
| 6b | Area available for rehabilitation (ha) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6c | Afforestation done (ha) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6d | No. of saplings planted during the year | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6e | Cumulative no. of plants | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6f | Any other specific method of rehabilitation | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6g | Cost incurred on watch & care during the year | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i)Voids available for backfilling (L X B X D). | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6i | Compliance on reclamation and | Nil | Nil | Mining work was stopped |

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|----|---------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------|--------------------------------------------------|
| | rehabilitation by backfilling (ii) Void filled by waste/tailings. | | | from 01.04.2009 |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area. | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir. | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6m | Compliance of Rehabilitation of waste land within lease (i)Afforestation | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6n | Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6o | Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 6p | Compliance of Environmental monitoring (core zone & buffer zone) | Nil | Environmental monitoring has been carried out (core zone & | Presently Mine is Non- Working. Since 01.04.2009 |

buffer zone)
for the period
Oct, Nov &
Dec-2022.

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7. **Mineral Conservation:**

| S.N. | Item | Proposals | Actual work | Remarks |
|------|----------------------------------------------------------------|-----------|-------------|-----------------------------------------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 7c | Different grade of mineral sorted out at mines | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 7d | Any beneficiation process at mines | Nil | Nil | Mining work was stopped from 01.04.2009 |

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8. **Environment:**

| S.N. | Item | Proposals | Actual work | Remarks |
|------|---------------------------------------------------------------------------------------------------|-----------|-------------|-----------------------------------------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 8b | Concurrent use or storage of topsoil | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 8e | Phased restoration, reclamation and rehabilitation of lands | Nil | Nil | Mining work was stopped from 01.04.2009 |

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affected by mining operations (Pits, dumps etc)

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|----|----------------------------------------------------------------------------------------|-----|-----|-----------------------------------------|
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 8g | Survival rate | Nil | Nil | Mining work was stopped from 01.04.2009 |
| 8h | Water sprinkling on roads to control airborne dust | Nil | Nil | Mining work was stopped from 01.04.2009 |

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9. Compliance of Rule 45

| S.N. | Item | Proposals | Actual work | Remarks |
|-------------|-----------------------------------------------------------------------------------------------|------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9a | Status of submission of Monthly and Annual returns | Nil | Nil | Mining work was stopped from 01.04.2009 and lease had lapsed. It has been saved from lapsing vide State Govt order No 10912/SM-MC1-MISC-0098-2022/SM dated 18.11.2022 |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Nil | Nil | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Nil | Nil | Mining work was stopped from 01.04.2009 and lease had lapsed. It has been saved from lapsing vide State Govt order No 10912/SM-MC1-MISC-0098-2022/SM dated 18.11.2022. thus no proposal and no work carried. |
| 9d | Scrutiny of Annual return on Afforestation | Nil | Nil | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | Nil | Nil | |
| 9f | Scrutiny of Annual return on ROM stock | Nil | Nil | |

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

Sanjay Kumar Mahapatra
Assistant Mining Engineer