

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/SKR-69/IO-6

Mine code : 30RAJ23008

- (i) Name of the Inspecting : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. S K. Mishra, Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 14-MAR-23
- (v) Prev.inspection date : 19-APR-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PREETAMPURI**
- (b) **Registration NO.** : **IBM/4851/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **SIKAR**
- Village : **Preetampuri**
- Taluka : **Neem Ka Thana**
- Post office : **Preetampuri**
- Pin Code : **332713**
- FAX No. : **01574230951**
- E-mail : **goyalmineral@gmail.com**
- Phone : **9414036691**
- (f) **Police Station** : **Neem ka Thana**
- (g) **First opening date** : **24-DEC-01**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **Net Ram Goyal**
correspondance : **Ward No-2, Neem Ka Thana**
: **Sikar**
3. (a) **Lease Number** : **RAJ2033**
- (b) **Lease area** : **5**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **27-AUG-52**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : DAULATRAM GOYAL S/O NETRAM GOYAL
 WARD NO-4 SAHPURA ROAD NEEM
 KA THHANA SIKAR RAJASTHAN
 Phone:9414036691
 FAX :

Owner : Daulat Ram Goyal
 Ward No 4, Shahpura Road,
 Neem Ka Thana, District-
 Sikar (Rajasthan) SIKAR
 RAJASTHAN
 Phone: 9414036691
 FAX :

Mining Engineer

Name : Sunil Kaumar Mishra,Part Time
 Qualification : BE Mining
 Appointment/ : 08-JAN-22
 Termination date

Geologist

Name : PAVAN SADASHIV GEDAN,Part Time
 Qualification : MSC GEOLOGY
 Appointment/ : 10-JAN-22
 Termination date

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|-------------------------------|---|--------------------------------|-----------|
| 6. Date of approval of Mining | : | Modif.of approved Mining Plan | 24-AUG-05 |
| Plan/Scheme of Mining | | FMCP under 23C(1) | 26-MAR-10 |
| | | Modif.of approved Mining Plan | 10-MAY-12 |
| | | MP review under 17(1) MCR 2016 | 31-JUL-18 |
| | | MP modif under 17(3) MCR 2016 | 19-FEB-20 |
| | | MP review under 17(1) MCR 2016 | 31-MAY-22 |

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|---|--|
| 1a | Backlog of previous year | During the year 2020-21, no proposal of exploration. | No backlog of year 2020-21. | Nil |
| 1b | Exploration over lease area for geological axis 1 or 2 | During the year 2021-22 , no proposal of exploration. | None during the year 2021-22. | In the current approved RMP(approved on 31.05.2022), the exploration proposed during the year 2022-23. |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | No proposal during the year 2021-22. | Not applicable | Nil |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No proposal for the year 2021-22. | None during the year 2021-22. | As per approved RMP, Total lease area- 4.95 hect.(mineralised area- 1.0359 hect+ unexplored area- 3.9141 hect.). In the current RMP(approved on 31.05.2022) the exploration proposed by way of 16 B/H during the year 2022-23.The intimation of exploration drilling in form-I has been submitted by the party. |
| 1e | Balance reserve as on 01/04/20 | As per approved RMP, the position of reserve as on 01.04.2022 111-335331 tonnes | As per approved RMP, the position of reserve as on 01.04.2022 111-335331 tonnes | Nil |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | No issue related to geology & exploration. |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|--|--|--|
| 2a | Location of development w.r.t.lease area | Between Local grid 200N to 450N & 50W to 150W | As per proposal | Nil |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | No top soil benches, only OB & mineral benches proposed. | No top soil benches observed only OB & mineral benches observed. | However during the inspection bench height in the excavated pit was found more than 8m at some places whereas proposal of 6m bench height was given in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 17.04.2023. |
| 2c | Stripping ratio or ore to OB ratio | Year 2021-22: 1:0.66 | Year 2021-22: 1:0.68 | Nil |
| 2d | Quantity of topsoil generation in m3 | No proposal during the year 2021-22. | However small quantity of top soil generated during the mining operation has been utilised for plantation. | Nil |
| 2e | Quantity of overburden generation in m3 | During the year no proposal of OB generation, however total 35639 t mineral waste generation proposal given. | During the year total 4267 tonnes waste was generated. | Nil |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | | However during the inspection bench height in the excavated pit was found more than 8m at some places whereas proposal of 6m bench height was given in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 17.04.2023. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|----------------------------------|-----------------------|-----|
| 3a | Number of pit proposed for production | 01 | 01 | Nil |
| 3b | Quantity of ROM mineral production proposed | 2021-22: 89099 tonnes | 2021-22: 10890 tonnes | Nil |
| 3c | Recovery of sailable/usable mineral from ROM production | 60% | Approximately 59% | Nil |
| 3d | Quantity of mineral reject generation | 2021-22: 35639 tonnes | 2021-22: 4267 tonnes | Nil |
| 3e | Grade of mineral rejects generation and threshold value declared. | Below thershold value | As per proposal | Nil |
| 3f | Quantity of sub grade mineral generation. | No proposal | No subgrade generated | Nil |
| 3g | Grade of sub grade mineral generation | No proposal | Not applicable | Nil |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Machenised | Machenised | Nil |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No proposal | None | Nil |
| 3j | Provision of drilling and blasting in mineral benches | Provision given | As per proposal | Nil |
| 3k | Provision of mining machineries in mineral benches | Exacavator & dumper combinations | As per proposal | Nil |

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|----|--|--|--|--|
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes | However during the inspection bench height in the excavated pit was found more than 8m at some places whereas proposal of 6m bench height was given in approved review of mining plan. | However during the inspection bench height in the excavated pit was found more than 8m at some places whereas proposal of 6m bench height was given in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 17.04.2023. |
| 3m | Total area covered under excavation/pits | As per approved modification in review of mining plan (approved on 19.02.2020) the total area under excavation will be 1.040 hect up to year 2021-22. | Area put to use under excavation (up to year 2021-22) is 0.6496 hect. | As per approved RMP (approved on 31.05.2022) |
| 3n | Ore to OB ratio for the pit/mine during the year. | Year 2021-22: 1:0.66 | Year 2021-22: 1:0.68 | Nil |
| 3o | Total area put in use under different heads at the end of year | As per approved modification in review of mining plan (approved on 19.02.2020) the total area put to use under different head- 1.7446 hect. (up to year 2021-22) | Total area put to use under different heads (up to year 2021-22) is 0.899 hect. | As per approved RMP (approved on 31.05.2022) |
| 3p | Production of ROM mineral during the last five year period as applicable | 2016-17:53460T 2017-18: No proposal 2018-19:37459T 2019-20:67473T 2020-21:70308T 2021-22:89099T | 2016-17:Nil 2017-18: Nil 2018-19:Nil 2019-20:Nil 2020-21:4002.08T 2021-22:10890T | Nil |
| 3q | General remarks of inspecting officers on method of mining etc. | | | Open cast mining method adopted which is best suited to the type of deposit. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|--|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Separate dumping of OB & mineral waste proposed | As per proposal. | Nil |
| 4b | Location of topsoil, OB and mineral reject dumps | Top soil- no proposal, Waste dump proposed near boundary pillar M. | No top soil dump observed. Waste dumped in the old waste dump near boudary pillar T. | Nil |
| 4c | Number of dumps within lease area and outside of lease area | 2 dump | 2 dump | Nil |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Partially within UPL | Partially within UPL | Nil |
| 4e | Number of active and alive dumps. | 2 | 2 | Nil |
| 4f | Number of dead dumps. | Nil | Nil | Nil |
| 4g | Number of dumps established. | Nop such proposal given. | None | Nil |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | No specific proposal given during the year 2021-22. | Garlnad drain was there. | Nil |
| 4i | Length of Retaining wall or garland drain all along dumps | No specific proposal given during the year 2021-22. | None during the year 2021-22. | Nil |
| 4j | Number of settling ponds | No proposal | None | Nil |

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. | No proposal of backfilling during the year 2021-22. | No backfilling has been carried out during the year 2021-22. | Nil |
| 5b | Area under backfilling of mined out area | No proposal of backfilling during the year 2021-22. | No backfilling has been carried out during the year 2021-22. | Nil |

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|----|---|--|--|---|
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | For plantation | For plantation | Nil |
| 5d | Total area fully reclaimed and rehabilitated | No such proposal given for the year 2021-22. | No area fully reclaimed and rehabilitated. | Nil |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | Area not matured for backfilling & reclamation. |

Progressive Mine Closure Plan:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--|--|------------------------------------|
| 6a | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2). | Annual report on PMCP should be submitted before 1st july of every year for the previous financial year. | PMCP report for the year 2021-22 submitted by email on 01.07.2022. | Nil |
| 6b | Area available for rehabilitation (ha) . | No specific proposal given | Not applicable | Nil |
| 6c | afforestation done (ha). | Year 2021-22: 0.0157 hect. | Year 2021-22: 0.02 hect. | Nil |
| 6d | No. of saplings planted during the year | 2021-22: 50 nos. | 2021-22: 100 nos. | Nil |
| 6e | Cumulative no .of plants | Not specified | 883 nos. | up to 2021-22. |
| 6f | Any other method of rehabilitation | No proposal | None | Nil |
| 6g | Cost incurred on watch and care during the year | Not specified | Approximately Rs. 10000 | As reported during the inspection. |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | No proposal | Not applicable | Nil |

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|----|---|---|-------------------------------------|-----------------------------|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | No proposal | Not applicable | Nil |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area | No proposal | Not applicable | Nil |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | No proposal | Not applicable | Nil |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means. | No proposal | None | Nil |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation | 50 nos. | 100 nos. | Nil |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha) | 0.0157 hect area during the year 2020-21. | 0.02 hect. during the year 2021-22. | As per PMCP report 2021-22. |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation | Plantation | Plantation | Nil |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Proposed | Is being carried out. | Nil |

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| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | PMCP ccompliance satisfactory. |
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Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|------------------------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Proposal given | As per proposal | Nil |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Mechanical as well as manual | Mechanical as well as manual | Nil |
| 7c | Different grade of mineral sorted out at mines. | Different grades of iron ore. | As per proposal | Nil |
| 7d | Any beneficiation process at mines . | Jaw crusher along with magnetic separator. | As per proposal | Nil |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | | No issue observed related to mineral conservation and beneficiation. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|------------|---------------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Yes | Yes as per proposal | Nil |
| 8b | Concurrent use or storage of topsoil | Plantation | Plantation | Nil |

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|----|---|---|---|--|
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Yes | Yes | Nil |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No such proposal given | None | Nil |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No such proposal given during the year 2021-22. | None during the year. | Nil |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | During the year 2021-22 total 50 nos. sapling proposed. | During the year 2021-22 total 100 nos. sapling plantation reported. | Nil |
| 8g | Survival rate | No such proposal given | 90% | Nil |
| 8h | Water sprinkling on roads to control airborne dust | Proposed | Observed. | Nil |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | Aesthetic beauty in and around mines area is satisfactory. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|--------------------|---------|
| 9a | Status of submission of Monthly and Annual returns | Annual return submitted up to year 2021-22. Monthly return submitted up to Feb 2023 month. | Timely submission. | Nil |

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|----|---|--|--|-----|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | No details of mining engineer, geologist & mine manager given in AR 2021-22. | Lessee appointed part time mining engineer & geologist and advised to report in annual return. | Nil |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Details given | Seems to be correct. | Nil |
| 9d | Scrutiny of Annual return on afforestation | Details given | Seems to be correct. | Nil |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Details furnished. | Seems to be correct | Nil |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Details given | Some discrepancies observed by MMS division, same have been referback. | Nil |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Details given | Some discrepancies observed by MMS division regarding ex mine price, same have been referback. | Nil |
| 9h | Scrutiny of Annual return on fixed assets | Details given | Seems to be correct | Nil |
| 9k | Scrutiny of Annual return on mining machineries | Details given | Seems to be correct. | Nil |

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

| Violation observed | | | Show couse position | | |
|--------------------|------------|---------------|---------------------|-----------|---------------|
| Rule NO. | Issued on | Compliance on | Rule NO. | Issued on | Compliance on |
| MCDR17 | Rule 11(1) | 17-APR-23 | | | |

Date :

(D R GURJAR)

Indian Bureau of Mines