

**MCDR inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/BGT./MN.25

**Mine code :** 40MPR01082

- (i) Name of the Inspecting : **G007** ) **RAGHUBIR SHARAN GARG**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Smt. Gunjan Goenka, Agent of the Mine, &  
Official with : Nagendra Pathak, Mining Engineer of the Mine.  
Designation
- (iv) Date of Inspection : 16-SEP-23
- (v) Prev.inspection date : 05-05-2022

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PAUNIYA MN. 8.00 HA.**
- (b) **Registration NO.** : **IBM/8864/2012**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : BALAGHAT  
Village : PAUNIYA  
Taluka : TIRODI  
Post office : PAUNIYA  
Pin Code : 481449  
FAX No. : 07622-404937  
E-mail : spgkatni@gmail.com  
Phone : 07622-404937, 9425157590,
- (f) Police Station : TRIRODI
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for Correspondence : **Shri Anand Goenka, Proprietor**  
M/s Sukhdev Prasad Goenka  
Goenka Bhawan, Station Road Katni,  
(M.P.)-483501  
**Email** [ashokchunawala5555@yahoo.com](mailto:ashokchunawala5555@yahoo.com)
3. (a) Lease Number :
- (b) Lease area : **8.1hect**
- (c) Period of lease : **22-11-2016 to 21-11-2066**
- (d) Date of Expiry : **21-11-2066**
4. Mineral worked : MANGANESE ORE Main

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## 5. Name and Address of the

Lessee : SUKHDEO PRASAD GOENKA  
GOENKA BHAWAN STATION ROAD  
KATNI MADHYA PRADESH  
Phone:9425152024  
**Email [ashokchunawala5555@yahoo.com](mailto:ashokchunawala5555@yahoo.com)**

Owner : SUKHDEO PRASAD GOENKA  
GOENKA BHAWAN STATION ROAD  
KATNI MADHYA PRADESH  
Phone:9425152024  
**Email [ashokchunawala5555@yahoo.com](mailto:ashokchunawala5555@yahoo.com)**

## 6. Date of approval of Mining plan/Scheme of Mining

1.Mining plan for grant of mining  
lease approved on 06/07/2009

2. Review of Mining Plan approved on  
02/06/2022 under rule 17(2) of  
MCR,2016

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## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	18 boreholese proposed against 2022-23	Not carried out.	Violation of rule 11(1) pointed out vide letter dated 25-09-2023
1b	Exploration over lease area for geological axis 1 or 2	Entire mineralised area proven under 122 UNFC classification. For converting the same in to 121 classification, 18 no of boreholes proposed.	Boreholes not carried out.	As stated earlier violation pointed out.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	As stated in earlier entire mineralised area proven under G2 axis. It is still to be proven for G1 axis. Accordingly there are proposal of exploration that was too for 2022-23.	As stated in earlier additional proposed exploration had not carried out.	Violation of rule 11(1) pointed out.
1e	Balance reserve as on 01/04/20	Reserves as on 01/04/2023 122-45436.05 222-74128.95T	Reserves as on 01/04/2023 122-56191.66t 222-74128.95T	In approved MPLN 90% recovery ( 10% mineral reject generation) have taken into account whereas ROM production 100% tuned in to grade wise production.

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1f	General remarks of inspecting officers on geology, exploration etc	Proposed exploratory work had not carried out so far. Additional exploratory work as proposed is the need of the day. During field visit lessee agreed for completion of the same. Violation of rule 1191) pointed out vide letter dated 25-09-2023.
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N2402880 to 2403090E371200 to E371380	As per proposal	Mining operation in the mine was found closed on the date of inspection.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Observed	No deviation.
2c	Stripping ratio or ore to OB ratio	1:7.45	1:5.65	Less development. Deviation pointed out through rule 11(1) of MCDR, 2017
2d	Quantity of topsoil generation in m3	9391cum	NA	
2e	Quantity of overburden generation in m3	123830T	9850cum	Less development, violation of rule 11(1) pointed out.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work is lacking in comparison to proposed one.

## Exploitation:

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Sl. No.

Item

Propasals

Actual work

Remarks

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I/23190/2024	Number of pit proposed for production	One pit	One pit	<p>Al though there are number of pits within the lease area. Only two pits falls in area permitted for working, rest falls under restricted zone. Year under review was the first year of valid approved document and both the pits likely to be merged during second year i.e. after 2023-24. Extent of mining activities are noticed to the level of approved proposals .</p>
3b	Quantity of ROM mineral production proposed	166600.05T ROM quantity, 1660.05T Mineral reject	4184.39T ROM ore as well as Salable	Less production, violation of rule 11(1) pointed out.
3c	Recovery of sailable/usable mineral from ROM production	From 16600.05T ROM ore salable ore quantity 14940.95T and 1660.05T mineral Reject	4184.39T ROM as well as Salable Ore , No mineral reject generation.	Nominal generation of mineral reject reported.  All the ROM have market .
3d	Quantity of mineral reject generation	1660.05T	Reportedly Nil	Fines generated during sizing sorting goes upto 10% of ROM ore have also market with graded ore of upto 25%. Thus there is actually no mineral reject stock at mine head.
3e	Grade of mineral rejects generation and threshold value declared.	Not given in the approved document	Below 10% of MnO2	
3f	Quantity of sub grade mineral generation.	Not proposed	NA	No deviation.
3g	Grade of sub grade mineral generation	Not proposed	NA	

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3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	No deviation.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA	No deviation.
3j	Provision of drilling and blasting in mineral benches	Yes proposed with 1.2mX1.5mX1.5m ( SpecingxBurden xdepth of hole)	As per proposal.	no deviation.
3k	Provision of mining machineries in mineral benches	Yes, with Excavator and dumper combination	As per approved proposal	No deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes, as per proposal	no deviation.
3m	Total area covered under excavation/pits	2.523hect.	Almost total area covered under excavation/ pit is about 2.35hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:7.45	1:4.7	Less development
3o	Total area put in use under different heads at the end of year	4.57hect	Upto 4.2hect	
3p	Production of ROM mineral during the last five year period as applicable	2018-19- 1620T 2019-20 - 1620T 2020-21 - 2430T 2021-22 - NIL (LAPSE YEAR) 2022-23-14940T	2018-19 - 1605 T 2019-20 - 1630 T 2020-21 - 2714 T 2021-22 - NIL (LAPSEYEAR) 20222-23-4184.39T	Very less production in compression to proposal. Violation of rule 11(1) pointed out.

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3q General remarks of inspecting officers on method of mining etc.

Adopted open cost mechanised method of mining is most suitable for the deposit at this stage.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal, Simultaneous backfilling followed by reclamation of degraded statutory barrier zone proposed.	OB dump was observed in West side the lease area near road for bunding. Old dumps observed in Eastern part of lease area.	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed.	NA	
4c	Number of dumps within lease area and outside of lease area	Not proposed	Total 07 dumps were observed during the inspection. 06 dumps are within the lease area and one dump is observed outside the lease area in the additional granted land by State Govt.	There are total 07 dumps. 06 dumps are within the lease area and one dump is observed outside the lease area in the additional granted land by State Govt.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	NA	Out of 7 no. of old waste dumps part of three dumps namely dump no. 3,5 and 7 fall within ultimate pit limit.
4e	Number of active and alive dumps.	Not proposed.	07 dumps were observed	One dump is observed outside the lease area in the Govt land. The State Govt. has allotted the land with lease area for allied activities as per submitted records.
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal.	NIL	



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4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall as well as garland drain both are proposed.	Garland drain was observed.
4i	Length of Retaining wall or garland drain all along dumps	933m	700m
4j	Number of settling ponds	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management		06 dumps observed in the lease area and one dump is outside the lease area in the additional granted area by State Govt. Garland drain observed around two dumps near road side. All the dumps are temporary nature as per approved document.

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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	Extraction of mineral upto full depth of mineralisation do not reach so far. Backfilling of degraded statutory barrier zone was found in progress.	
5b	Area under backfilling of mined out area	680sqmdegraded 7.5mstatutory barrier zone	Backfilling work found in progress.	
5c	Concurrent useof topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed	Utilised as per proposal.	
5d	Total area fully reclaimed and rehabilitated	680sqm	backfilling work was in progress. Reportedly rehabilitation work will be initiated after reclamation.	

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	Proposed reclamation and rehabilitation work was not found completed. However backfilling of degraded statutory barrier zone was found in progress. Reportedly rehabilitation work will be initiated after completion of reclamation work.
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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed	Yes, submitted.	-
6b	Area available for rehabilitation (ha) .	680sqm	Backfilling work was found in progress. After completion of reclamation work rehabilitation of reclaimed area will be taken up as assured by the representative of the lessee i.e.Smt. Gunjan Goenka. lessee	
6c	afforestation done (ha) .	0.12hect.	0.1hect	
6d	No. of saplings planted during the year	200	60	survival rate is poor.
6e	Cumulative no .of plants	200	60	
6f	Any other method of rehabilitation	Not proposed	NA	
6g	Cost incurred on watch and care during the year	20,000/-	NA	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed	NA, Pit is not reached upto reclamation and rehabilitation stage.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	680sqm	Backfilling of degraded statutory barrier zone was found in progress. So far backfilling upto proposed level were not found done. After backfilling reclamation & rehabilitation work will be taken uop by the lessee as reported during inspection.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed.	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	200 no. of saplings	Reportedly planted as per proposal but on site about 60saplings were seen at the site.	Plantation on statutory barrier zone of road(50m from the road) passing from nearby area.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.12hect	0.1hect	Plantation on statutory barrier zone of road(50m from the road) passing from nearby area.

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6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Except plantation there is no other proposal.	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Records of environment monitoring found.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			In the light of PMCP proposal reclamation and rehabilitation work of degraded statutory barrier zone was supposed to be completed by the end of 2022-23 but the same work was found not completed. Reportedly main reasons for the deviation was low level of mining activities during the period under review. Representative of lessee assured that backlog of PMCP work will be covered during the year going on.

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**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within lease area	ROM dispatch -Nil Grade wise dispatch 25%-1558.78/ 25 to 35%-1674.55, 35 to 46%-119.66 and + 46%-220.38	- ;- Upto
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	manual	

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7c	Different grade of mineral sorted out at mines.	Grade wise sorting within lease area	ROM dispatch -Nil Grade wise sorting during 2022-23 ;- Upto 25%-1558.78/, 25 to 35%-1674.55, 35 to 46%-119.66 and + 46%-220.38	
7d	Any beneficiation process at mines .	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			In the mine there is no issues related with conservation of mineral. Whatever ROM is generated reportedly have a market. Lowest grade of mineral having Mn upto 25% have also a market.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	As per proposal	-
8b	Concurrent use or storage of topsoil	Proposed	As per proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed as it is proposed for backfilling of degraded statutory barrier zone.	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed	As per proposal	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	As per proposal	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	As per proposal. Although survival rate of plantation is very low.	
8g	Survival rate	80%	30%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Presently this is only working mine in the area . Mining operation in the mine is not carried out upto full capacity. There are two pips ranging 120m to 210mX50m to 70m with depth about 12m, 7 dumps having different dimensions and height varies from 1.5 to 10m on unrestricted area. There is agriculture land almost around the lease area. There is no. of trees within as well as outside of the lease area. General beauty of the area is affected due to no. of dumps that too one of them is 10m height.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Submission of Monthly and Annual Returns	Monthly Returns upto Sep,2023 and AR for the year 2022-23 have submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer -Mr. Nagendra Pathak, Geologist-Mr. Vinod Kushwaha	Both, mining engineer and Geologist were present during site inspection of the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Land use details of the lease area- (i) Already exploited & abandoned by opencast (O/C) mining 0 (ii) Covered under current (O/C) Workings 2.266 (iii) Reclaimed/Rehabilitated 0.0  (iv) Used for waste disposal 1.545 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.05 (vi) Used for any other purpose (specify) Mineral sorting 0.14	
9d	Scrutiny of Annual return on afforestation	Given	200splings	Survival rate of plantation are very poor, only 30%
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Nil	Although as per approved proposal 10% of ROM, mineral reject generation was envisaged but on reporting mineral reject generation is nil. This is in favour of conservation of mineral.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Clos.Balan on 31/03/2023 Less than 25%-66.08MT , 25 to 35% 102.53MT , 35 to 46%-404.23MT and Plus 46-66.77MT	

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Sale value and Ex Mine Price : Upto 25%-3888.93/, 25 to 35%-10218/10, 35 to 46%-17567.85/00 and + 46%-21811.85 and Cost of production - Rs. 6814/39	1. In calculation of cost of production Amount of DMF not taken correctly. 2. Royalty and dead rent both have taken into account in calculation of cost of production which are not correct. Deficiencies pointed out through violation of rule 45(7) of MCDR,2017 vide letter dated 26/09/2023
9h	Scrutiny of Annual return on fixed assets	Given	Fixed Assets Value Rs. 1098076/-	On lower side
9k	Scrutiny of Annual return on mining machineries	Given	DUMPER 2No (15tonner) Jeep Tractor 1(35HP)	Details of excavator not furnished.

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**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
Rule 11(1)	26-SEP-23				
MCDR17 Rule 12(4)	26-SEP-23				
Rule 33(1)	26-SEP-23				
Rule 34A	26-SEP-23				
Rule 45(7)	26-SEP-23				

Date:03/01/2024

**(RAGHUBIR SHARAN GARG)**

Indian Bureau of Mines