

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/NAG/Mn-320/NGP

**Mine code :** 40MSH14047

- (i) Name of the Inspecting : **G002** ) **OM PRAKASH GOPAL**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Sh. SP Tiwari Agent, Sh. Ashish Barapatre Mining Engi  
Official with  
Designation
- (iv) Date of Inspection : 14-JUN-22
- (v) Prev.inspection date : 18-AUG-21

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KACHURWAHI (78.50 HA.)**
- (b) **Registration NO.** : **IBM/8864/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : NAGPUR  
Village : Kachurwahi-Wadegaon  
Taluka : Ramtek  
Post office : Kachurwahi  
Pin Code : 441106  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 28-MAR-05
- (h) Weekly day of rest :
2. Address for :  
correspondance :
3. (a) Lease Number : MSH0321
- (b) Lease area : 78.5
- (c) Period of lease : 30
- (d) Date of Expiry : 29-JUN-33
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : M/S VEETRAG HOMES (P) LTD.  
267,GANESH PHADNAVIS  
BHAVAN, NEAR TRIKONI  
PARK,DHARAMPETH, NAGPUR  
NAGPUR MAHARASHTRA  
Phone:  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	01-OCT-02
Plan/Scheme of Mining		MP modif under MCR 1960	21-OCT-15
		MP modif under 17(3) MCR 2016	31-JUL-18
		MP modif under 17(3) MCR 2016	28-DEC-18
		MP modif under 17(3) MCR 2016	19-MAY-20

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	03 Boreholes are proposed for drilling during reporting period ie 2021-22	NIL	Exploration not done as per approved proposals therefore violation of Rule 11(1) of MCDR'2017 pointed out and communicated to lessee through violation letter. Further, show cause notice was also issued.
1b	Exploration over lease area for geological axis 1 or 2	G1 and G2	No exploration done during reporting period	Exploration not done as per approved proposals. Deviations communicated to lessee through violation letter. Party fails to submit suitable reply within stipulated timeframe therefore showcause notice was issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	NIL

1e	Balance reserve as on 01/04/20	As per approved MMP total Reserves/ Resources as on 1/4/2020 are: 248544 tonnes (111), 8170 tonnes (122), 191215 tonnes (222) and 24500 tonnes (333)	NIL	Status of updated reserves/resources as reported in submitted Return are not in commensuration with Reserves furnished in Mining Plan. Deviations communicated to lessee through violation letter for violation of Rule 45 of MCDR' 2017. Party fails to submit suitable reply within stipulated timeframe therefore showcause notice was issued.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The leasehold area is divided in two sections namely Kchurwahi and Wadegaon section. Working is in progress in Wadegaon section. In Kachurwahi section there is old abandoned and waterlogged pit. Exploration not done as per approved proposal. Deviations are pointed out through Violation letter followed by Show cause notice.

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Development :

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Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Development is proposed at two distinct locations namely Kachurwahi and Wadegaon section	During reporting period the working not started in Kachurwahi section and entire mining and development activities restricted in Wadegaon section.	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposal envisaged for seperate benches in OB and mineral.	Seperate benches in OB and mineral is being maintained.	NIL
2c	Stripping ratio or ore to OB ratio	1:0.134	1:0.142	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	111100 m3	71460m3	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	It was proposed that mining will be by opencast and underground method. However, there is no U/G development and entire mining operations are for opencast operations restricted in Wadegaon section only.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	One	Working restricted in wadegaon section and no activities during reporting period is in Kachurwahi section

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3b	Quantity of ROM mineral production proposed	38998 tonnes	20417 tonnes	NIL
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	NIL
3d	Quantity of mineral reject generation	5151 tonnes	2020 tonnes	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	8-10% Mn grade ore	NIL
3f	Quantity of sub grade mineral generation.	5151 tonnes	NA	NIL
3g	Grade of sub grade mineral generation	10-20%Mn grade ore	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method	Manual method	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal	NIL	NIL

3j	Provision of drilling and blasting in mineral benches	105-110 mm dia drilling with wagon drill. To achieve least fly rocks, minimal ground vibration and best fragmentation the use of emulsion explosive with nonel of different delays is envisaged in approved mining plan.	Drilling and blasting as per proposal are in practice.	NIL
3k	Provision of mining machineries in mineral benches	Deployment of hydraulic excavators and fleet of dumpers.	Deployment of mining machineries as per approved proposals	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench height 6 m	Bench height of more or less 6 m being maintained.	NIL
3m	Total area covered under excavation/pits	Specific dimension of excavated area during reporting period not mentioned in approved mining plan. As per table furnished in FA table total area under mining at the end of plan period is envisaged at 7.5201Ha upto 31/03/2023	As per Annual Returns total area put to use under mining is reported as 2.8 ha	Deviation in the area put to use was communicated to lessee by issuing violation under Rule 45 of MCDR 2017. Further show cause notice was issued for noncompliance and non receipt of suitable reply.

3n	Ore to OB ratio for the pit/mine during the year.	1:0.134	1:142	NIL
3o	Total area put in use under different heads at the end of year	Area put to use as on 31/3/2023: Area under mining 7.52 ha; OB dumps: 2.06 ha; Infrastructure and Others : 1.08 ha	Area put to use as on 31/3/2022: Area under mining 2.8 ha; OB dumps: 0.7 ha; Infrastructure and Others : 0.3 ha	Deviation in the area put to use was communicated to lessee by issuing violation under Rule 45 of MCDR 2017. Further show cause notice was issued for noncompliance and non receipt of suitable reply.
3p	Production of ROM mineral during the last five year period as applicable	2018-19 -25158 tonnes 2019-20 -64290 tonnes 2020-21-31395 tonnes 2021-22 -38998 tonnes	2018-19 -NIL 2019-20 -NIL 2020-21-3755 tonnes 2021-22 -20417 tonnes	NIL
3q	General remarks of inspecting officers on method of mining etc.	It was proposed to adopt both Opencast and U/G method of mining	Only opencast method of mining is being practiced during reporting period.	NIL

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It is proposed that generated OB in in Wadegaon section will be dumped on D2 and D3 in Kachurwahi section over D1. There is no proposl for soil dumping as generation of soil not envisaged.	There is no development in Kachurwahi section. In Wadegaon section waste dumpinig is over unprposed area.	Waste dumping is not as per approved proposal therefore deviations communicated to lessee through violation letter followed by showcause notice.

4b	Location of topsoil, OB and mineral reject dumps	There is no proposl for soil dumping. It is proposed that generated OB in in Wadegaon section will be dumped on D2 and D3 in Kachurwahi section over D1	There is no development in Kachurwahi section. In Wadegaon section waste dumpinig is over unprposed area.	Waste dumping is not as per approved proposal therefore deviations communicated by issuing violation under Rule 11(1) of MCDR 2017. Further, non compliance and non submission of suitable reply was communicated by issuing show cause notice.
4c	Number of dumps within lease area and outside of lease area	03	02	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Inside UPL	Violation under Rule 11(1) of MCDR 2017 issued. Non-compliance and non submission of suitable reply was communicated by issuing show cause notice.
4e	Number of active and alive dumps.	Three	Two	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal forconstructio n of garland drain	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	No such proposal	NIL	NIL
4j	Number of settling ponds	No such proposal	NIL	NIL

4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	Dump has attained height of more than 25 m without proper terracing. Violation under Rule 37(2) of MCDR issued. Non compliance and non submission of suitable reply was communicated by issuing show cause notice.
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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.	Backfilling of surrounding areas around the proposed underground entries.	There is no development for U/G operations and there is no backfilling.	NIL
5b	Area under backfilling of mined out area	NA	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Generation and utilisation of top soil not envisaged.	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling of surrounding areas around the proposed underground entries.	There is no development for U/G operations hence NIL backfilling	NIL

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Submission of Annual Report on PMCP before 1st July every year is mandatory.	PMCP Report for the year 2021-22 was not submitted till the date of inspection.	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	200 sapplings	NIL	Plantation not done as per approved proposals. Violation of Rule 11(1) of MCDR'2017 was communicated through violation letter. Show cause notice issued for non compliance and non submission of suitable reply of pointed out violations.
6e	Cumulative no .of plants	Specific proposal for the reporting year not envisaged in approved plan. Cumulative nos. of sapplings till the end of proposal period ie upto 31/3/2023 envisaged at 600 nos. .	NIL	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL

6g	Cost incurred on watch and care during the year	Specific proposal for the reporting year not envisaged in approved plan. Cumulative expenditure till the end of plan period ie upto 31/3/2023 envisaged at Rs. 30,000/-	NA	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	Specific proposal for the reporting year not envisaged in approved plan. Cumulative position till the end of plan period ie upto 31/3/2023 is 3.38 ha.	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring of environmental parameters such as air, water and noise should be undertaken.	Air, water and noise Monitoring done	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

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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	Grade-wise sorting	NIL

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7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	NIL
7c	Different grade of mineral sorted out at mines.	NA	Gradewise production during 2021-22 are as under: (a) Below 25% Mn - 259.375 4245 tonnes. (b) 25% to below 35% Mn - 373 tonnes (c) 35% to below 46% Mn - 1327 tonnes	NIL
7d	Any beneficiation process at mines .	Sizing and sorting	Sizing and sorting	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Generation of top soil not envisaged	NIL	NIL
8b	Concurrent use or storage of topsoil	Generation of top soil not envisaged	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumping of OB subgrade mineral	Seperate dumping of OB and subgrade mineral	NIL

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline on existence of plantation not available. Proposal for plantation of 200 nos of saplings during reporting period is envisaged.	There is no plantation during reporting period	NIL
8g	Survival rate	NA	There is no plantation during reporting period	NIL
8h	Water sprinkling on roads to control airborne dust	NIL	Mine was not in operation on the day of inspection and water sprinkling on road not seen.	NIL

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are to be submitted in time.	Monthly and Annual Returns are being submitted regularly.	NIL

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Minig Engineer - Ashish Barapatre, Geologisr- Sh Satish Senwai	Mining Engineer and Geologist are in place.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Covered under current (O/C) Workings : 2.8 ha Area used for waste disposal - 0.7 ha Area Occupied by plant, buildings, residential, welfare buildings & roads - 0.3 ha Work done under progressive mine closure plan during the year 5.0 ha	Details of area put to use as reported in Annual Returns are not in accordance with details mentioned in approved mining plan.	Deviations pointed out as violation of Rule 45 of MCDR 2017 and communicated to lessee through violation letter. For non compliance and non submission of suitable reply show cause notice issued.
9d	Scrutiny of Annual return on afforestation	Plantation : NIL Survival NIL	Details are in order.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Reject generation 2020 tonnes of grade 8-10% Mn	Details on reject generation is more or less in order	NIL

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Opening and closing Stockss: NIL Graded Ore: Below 25% Mn opening Stockss: 259.375 tonnes and Closing Stockss: 1061.115 tonnes 25% Mn to 35% Mn opening Stockss: 373 tonnes and Closing Stockss: 272.960 tonnes 35% Mn to 46% Mn opening Stockss: NIL and Closing Stockss: 114.670 tonnes	Details are more or less in order	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EMP of ) Below 25% Mn - Rs. 4142/tonnes; 25% to below 35% Mn Rs. 7772 tonnes 35% to below 46% Mn Rs 15611/ tonnes Production Cost: Rs. 4364/tonnes	Details appears to be more or less in order.	NIL
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs) 18872844	Value of Fixed assts being Finacial aspects may not be commented upon.	NIL
9k	Scrutiny of Annual return on mining machineries	SHOVEL : 1 no. and DUMPER : 1 No	Details are more or less in order	NIL

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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
MCDR17 Rule 11(1)	22-JUL-22		MCDR17 Rule 11(1)	22-JUL-22	
MCDR17 Rule 37(2)	22-JUL-22		MCDR17 Rule 37(2)	22-JUL-22	
Rule 45(7)	22-JUL-22		Rule 45(7)	22-JUL-22	
Rule 47	22-JUL-22		Rule 47	22-JUL-22	

**Date :**

**(OM PRAKASH GOPAL)**

Indian Bureau of Mines