

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/LST-289

Mine code : 38MPR35275

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 07-MAR-21
- (v) Prev.inspection date : 12-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PIPRAHAT (8.093 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : PIPRAHAT
Taluka : MAIHAR
Post office : BHADANPURA
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 01-JUN-04
- (h) Weekly day of rest :
2. Address for : PRESENJEET SINGH
correspondance : 501, HAWAI PACIPICK ENCLAVE,
NEAR MAN GATE IIT, PAWAI, MUMBAI 400079 (MSH)
3. (a) Lease Number : MPR2356
(b) Lease area : 8.07
(c) Period of lease : 20
(d) Date of Expiry : 30-MAR-23
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : PRESENJEET SINGH
 501, HAWAI PACIPICK
 ENCLAVE, NEAR MAN GATE
 IIT, PAWAI, MUMBAI 400079
 MUMBAI (SUBURBAN)
 MAHARASHTRA
 Phone:NA
 FAX :NA

Owner : PRESENJEET SINGH
 501, HAWAI PACIPICK
 ENCLAVE, NEAR MAN GATE
 IIT, PAWAI, MUMBAI 400079
 MUMBAI (SUBURBAN)
 MAHARASHTRA
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22-NOV-02
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	20-OCT-11
		Mining Scheme rule 12 MCDR1988	27-JAN-16
		MP review under 17(1) MCR 2016	10-MAY-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	nil	nil	
1b	Exploration over lease area for geological axis 1 or 2	4 Nos BH	nil	violation pointed out
1c	Exploration Agencies and Expenditure in lakh rupees during the year	proposed	nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	entire area to be explored to bring in G1	entire area to be explored to bring in G1	
1e	Balance reserve as on 01/04/20	2.14 Million tonnes	2.14 Million tonnes	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Central of lease area between the grid coordinates EW-100-300 &S-150-250	Central of lease area between the grid coordinates EW-100-300 &S-150-250	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil overburden and mineral proposed	Separate benches in topsoil overburden and mineral maintained	
2c	Stripping ratio or ore to OB ratio	1:0.13	1:0.31	
2d	Quantity of topsoil generation in m3	6303 M3	5600 M3	

2e Quantity of overburden generation in m3 14017 M3 13085 M3

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	154312 MT	67300 MT	violation pointed out
3c	Recovery of sailable/usable mineral from ROM production	entire ROM is proposed to be sold	entire ROM is sold	
3d	Quantity of mineral reject generation	Not Proposed	nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	not proposed	nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	not proposed	nil	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	nil	
3j	Provision of drilling and blasting in mineral benches	proposed	as per proposal	
3k	Provision of mining machineries in mineral benches	proposed	as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed	as per proposal	
3m	Total area covered under excavation/pits	2.1 ha	1.866 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.13	1:0.31	
3o	Total area put in use under different heads at the end of year	2.9173 ha	2.852 ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 50748 2016-17 140256 2017-18 167160 2018-19 Lapse year 2019-20 156816	2015-16 - 2016-17 1442 2017-18 1475 2018-19 - 2019-20 67300	violation pointed out

3q	General remarks of inspecting officers on method of mining etc.	Opencast method of mining being done by deployment of heavy earth moving machineries for excavation, loading & transport. Regular drilling & Blasting being done for heaving purpose in the lease area.
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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)	Separate dumping of topsoil & OB proposed	Separate dumping of topsoil & OB maintained	
4b	Location of topsoil, OB and mineral reject dumps	in northern part of the lease area	in northern part of the lease area	
4c	Number of dumps within lease area and outside of lease area	Within Lease-2 nos	Within Lease-2 nos	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the ultimate pit limit	outside the ultimate pit limit	
4e	Number of active and alive dumps.	02	02	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain along dump is proposed	Garland drain along dump-560m	

4i	Length of Retaining wall or garland drain all along dumps	proposed	Garland drain along dump-560m
4j	Number of settling ponds	nil	nil
4k	Specific comments of inspecting officer on waste dump management		

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.	not proposed	pit area not mature enough for backfilling	
5b	Area under backfilling of mined out area	not proposed	0.045 ha along 7.5m barrier zone	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Stacking within 7.5m barrier zone proposed	Stacking within 7.5m barrier zone	
5d	Total area fully reclaimed and rehabilitated	0.045 ha	0.045 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

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).	Proposed	not submitted	violation pointed out
6b	Area available for rehabilitation (ha) .	not proposed	nil	
6c	afforestation done (ha).	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	25x18x5	25x18x5	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	25x18x5	25x18x5	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	20 nos of saplings	50 nos of saplings	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring proposed	Environment monitoring carried out	

6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral sale proposed	ROM mineral sold	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	not proposed	not done	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	not proposed	not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	Top soil removed and stacked along 7.5m barrier zone	

8b	Concurrent use or storage of topsoil	proposed	Plantation along barrier zone
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden waste rock proposed	Separate dump for overburden waste rock maintained
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	as per proposal
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	Phased restoration, reclamation and rehabilitation adopted
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	100 Nos. of Plantation
8g	Survival rate	not proposed	70% as per annual return.
8h	Water sprinkling on roads to control airborne dust	proposed	Water sprinkling on roads carried out
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	proposed	A.R. Submitted upto 2019-20. M.R. Submitted upto Mar.2021
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	proposed	Manager Shri. NP TIWARI Mining Engineer in charge Shri.VINIT PANDEY
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	proposed	covered under current (O/C) Workings 1.866 Reclaimed/Rehabilitated 0.045 Used for waste disposal 0.865 Occupied by plant, buildings, residential, welfare buildings & roads 0.020 Other Purpose (MINERAL STORAGE.) 0.056
9d	Scrutiny of Annual return on afforestation	proposed	Number of trees planted during the year 100 nos
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	nil	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	proposed	Ex-mine price (in Rs. Per Tonne) for SMS grade limestone-288.98
9h	Scrutiny of Annual return on fixed assets	proposed	Value of Fixed Assets (in Rs) 9.56 lakhs

9k	Scrutiny of proposed Annual return on mining machineries	BACK HOE 0.900 CUM 1 no Non Electrical Opencast DUMPER 15.000 TONNE 3 no Non Electrical Opencast AIR COMPRESSOR 250.000 CUM/MN 1 no Non Electrical Opencast ROCK DRILL (NONELEC.) 32.000 MM 2 no Non Electrical Opencast PUMPS (NON-ELEC.) 320.000 L/MN 1 noNon Electrical Opencast
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	05-APR-21			
MCDR17	Rule 26(2)	05-APR-21			

Date :

(ROBERT SIMON C)

Indian Bureau of Mines