

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

**MCDR inspection REPORT**

**Nagpur regional office**

**Mine file No :** MP/BGT/MN-127/NGP

**Mine code :** 40MPR01010

- (i) Name of the Inspecting : **SQ32** ) **SANDEEP KUMAR SINGH**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 16-JAN-20
- (v) Prev.inspection date : 23-NOV-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NETRA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : BALAGHAT  
Village : KATANGJHARI  
Taluka : WARASEONI  
Post office : KATANGJHARI  
Pin Code :  
FAX No. :  
E-mail :  
Phone : 40170/40010 Balaghat
- (f) Police Station :
- (g) First opening date : 18-AUG-68
- (h) Weekly day of rest : SAT
2. Address for :  
correspondance
3. (a) Lease Number : MPR1798
- (b) Lease area : 20
- (c) Period of lease : 10
- (d) Date of Expiry : 15-OCT-00
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : M/s Pacific Minerals Pvt. Ltd.,  
 11, Sudder Street,  
 Calcutta, KOLKATA WEST  
 BENGAL  
 Phone:033-2450400  
 FAX :

Owner : M/s Pacific Minerals Pvt. Ltd.,  
 Baihar Road, Balaghat, M.P.  
 PIN-481001 BALAGHAT MADHYA  
 PRADESH  
 Phone: 40170/40010 Bal  
 FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	15-MAY-00
Plan/Scheme of Mining		Fresh under rule 22 MCR1960	26-FEB-04
		Renewal under rule 24 MCR1960	24-JUN-09
		Mining Scheme rule 12 MCDR1988	11-SEP-13

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year			
1b	Exploration over lease area for geological axis 1 or 2	5 BORE HOLES	NOT DONE	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	NIL	
1e	Balance reserve as on 01/04/20		111-303935T 121-336427T 122-86551T	
1f	General remarks of inspecting officers on geology, exploration etc			FIVE PROPOSED BORE HOLES ARE NOT DONE.VIOLATION GIVEN

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no. -6	Pit no. -6	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	MADE	
2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in m3	1357	1130	SOIL AND MURRUM

2e	Quantity of overburden generation in m3	5229	4910	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			WORKING DONE IN OPENCAST BY BENCHING.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Open Cast t+one U/G+DumP	As PER Proposal	
3b	Quantity of ROM mineral production proposed	15500	9991	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	718	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Less then 10%	Actual Less Then 10%	
3f	Quantity of sub grade mineral generation.	718	555	
3g	Grade of sub grade mineral generation	10-20%	10-20%	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	YES	YES	
3k	Provision of mining machineries in mineral benches	YES	YES	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6*6	6M*6M	Yes
3m	Total area covered under excavation/pits	1.61Ha	1.01	
3n	Ore to OB ratio for the pit/mine during the year.	1.2	1.2	
3o	Total area put in use under different heads at the end of year	6.5079	6.5079	
3p	Production of ROM mineral during the last five year period as applicable	18-19 15500	18-19	9991
3q	General remarks of inspecting officers on method of mining etc.			PRODUCTION IS FROM U/G AND OPENCAST.U/G MINING IS BEING DONE BY INCLINE AND LEVELS.LEVELS ARE CONNECTED BY WINZES AND RAISES.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NO TOP SOIL,OB +MINERAL REJECT TOGETHER	NO TOP SOIL,OB +MINERAL REJECT TOGETHER	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	10 DUMPS	10 DUMPS	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	ONE Dump near INCLINE 4	ONE Dump near INCLINE 4	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	10	10	
4g	Number of dumps established.	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there.	NP	NA	
4i	Length of Retaining wall or garland drain all along dumps	NOT GIVEN		
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management			THE WASTE GENERATED DURING PLAN PERIOD WILL BE USED TO FILL UP OLD PITS IN MINES AREA.

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	FULL EXTRACTION	MINING IN PROGRESS	
5b	Area under backfilling of mined out area	900M2	650 M2	OLD PIT
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			THE PROPOSAL IS TO BACKFILL THE OLD PITS IN MINE AREA TO EXTENT OF 3354m2 OVER 5 YEARS.WORK IS IN PROGRESS.

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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).		No	
6b	Area available for rehabilitation (ha) .	N/A	N/A	NO PROPOSALS
6c	afforestation done (ha) .	N/A	N/A	NO PROPOSALS
6d	No. of saplings planted during the year	N/A	N/A	NO PROPOSALS

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6e	Cumulative no .of plants	N/A	N/A	NO PROPOSALS
6f	Any other method of rehabilitation	N/A	N/A	NO PROPOSALS
6g	Cost incurred on watch and care during the year	N/A	N/A	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D			650M2 Backfiled
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	BACKFILLING OF OLD PITS		650 M2 OF OLD PITS BACKFILLED.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	



6m	Compliance of rehabilitation of waste land within lease (i) afforestation	200 SAPLING, 1800 M2 AREA	100 PLANTED. 1800 M2 ARAEA	PLANTATION ON PERIPHERY NOT DONE UPTO REQUIRED NUMBERS. VIOLATION GIVEN.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA		
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA		
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	BEING DONE	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			BACK FILLING IS BEING DONE .THE PLANTATION FOR GREEN BELT AND VIRGIN AREA HAS BEEN DONE.

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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	15500	9991	(mn 25% TO 35%)
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.	YES	YES	25-35%, <25%
7d	Any beneficiation process at mines .	SCREENING/JIGGING	SCREENING/JIGGING	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			GRADEWISE SORTING IS PRACTISED FOR MARKETIBILITY.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	PROPOSED	BEING DONE	BACKFILLING DONE IN OLD PITS

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	PROPOSED	BEING DONE	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	BASELINE-----	YES ADDITIONAL PLANTATAION DONE-100 NOS.	PLAN TO PLANT 200, VIOLATION GIVEN
8g	Survival rate	70%	50%	
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			PLANTATION IS SEEN IN MINES AREA/ PERIPHERY OF MINES..

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	THE MONTHLY , ANNUAL RETURNS ARE SUBMITTED.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MANAGER- JITENDRA KUMAR RAMESH RINAYAT , Mining Engineer in charge- VIPIN PATIL	VIOLATION FOR GEOLOGIST GIVEN	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	.113 PLANTATATION, .040 INFRA	INCOMPLETE INFO. VIOLATION GIVEN.	

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9d	Scrutiny of Annual return on afforestation	1)Number of trees planted during the year 125 (ii) Survival rate in percentage 55.00
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NO REJECT GENERATED.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	STOCK-<25%-2403T,25-35%-1130 t
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EXMINE-2165RS /t FOR MN- LESS THAN 25%AND 5402RS PER TON FOR mN 25-35%,COST OF PRO-4450RS/t GIVEN
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in RS) 7203484

9k      Scrutiny of      THE LIST OF  
Annual return on      MACHINERY USED  
mining      IS GIVEN.SOME  
machineries      GIVEN BELOW:  
                         HAULAGE (NON-  
                         ELEC.) 10.000  
                         HP 3 Non  
                         Electrical  
                         Underground  
                         AIR COMPRESSOR  
                         125.000 CUM/MN  
                         1 Non  
                         Electrical  
                         Underground  
                         ELEC. MOTOR  
                         30.000 HP 1  
                         Electrical  
                         Underground  
                         AIR COMPRESSOR  
                         300.000 CUM/MN  
                         2 Non  
                         Electrical  
                         Underground  
                         AIR COMPRESSOR  
                         400.000 CUM/MN  
                         1 Non  
                         Electrical  
                         Underground  
                         GENERATOR  
                         (DIESEL)  
                         50.000 KWH 1  
                         Electrical  
                         Underground

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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 45(1)	08-MAY-20			
MCDR17	Rule 55(1) (1	08-MAY-20			
MCDR17	Rule 26(2)	08-MAY-20			
MCDR17	Rule 11(1)	08-MAY-20			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines