

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JHN- 16/IO-4

**Mine code :** 30RAJ17004

- (i) Name of the Inspecting : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Hari Ram, Mine Chawkidar cum labour  
Official with  
Designation
- (iv) Date of Inspection : 25-APR-19
- (v) Prev.inspection date : 17-JAN-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAMALPURA**
- (b) **Registration NO.** : **IBM/4646/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : JHUNJHUNU  
Village : JAMALPURA  
Taluka : KHETRI  
Post office : KHETRI  
Pin Code :  
FAX No. : 01412394400  
E-mail : prateekminerals@yahoo.com  
Phone : 01412394440
- (f) Police Station : Khetri
- (g) First opening date : 29-MAY-94
- (h) Weekly day of rest : SUN
2. Address for : M/s Prateek Minerals  
correspondance : 20/204 Kaveri Path, Mansarovar  
Jaipur
3. (a) Lease Number : RAJ0033
- (b) Lease area : 4.96
- (c) Period of lease : 40
- (d) Date of Expiry : 09-MAY-44
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : M/s Prateek Minerals  
 20/204 Kaveri Path  
 Mansarovar JAIPUR  
 RAJASTHAN  
 Phone:01412394440  
 FAX :01412394400

Owner : M/s Prateek Minerals  
 20/204 Kaveri Path,  
 Mansarovar Jaipur JAIPUR  
 RAJASTHAN  
 Phone: 01412394440  
 FAX : 01412394400

Agent : Prateek Agrawal  
 20/204, Kaveri Path,  
 Mansarovar, Jaipur JAIPUR  
 RAJASTHAN  
 Phone: 9828010060  
 FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	15-FEB-05
Plan/Scheme of Mining		FMCP under 23C(1)	07-JUL-10
		Modif.of approved Mining Plan	22-FEB-11
		MP modif under MCR 1960	20-AUG-15

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	A total of Five pits of size 3m X 3m X 3m were proposed during earlier Plan Period.	No prospecting carried out as the work in the mine was closed for last two years.	The mine was earlier inspected by undersigned on 17/01/2018 & workings were closed since reported earlier. The fresh proposals of exploration made now will be changed now.
1b	Exploration over lease area for geological axis 1 or 2	Not specified in earlier approved plan.	Not applicable.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None, Lessee himself will do the proposed exploration by his own staff. Expenditure not specified.	Work found closed & no exploration carried out as proposed.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Not applicable	
1e	Balance reserve as on 01/04/20	773920 T in Proved 111 category.	773920 T in Proved 111 category.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The mine was found closed & no exploration work carried out since reported earlier on 17/01/2018.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit 1 & Pit 2	Work found closed, Two pits developed namely pit 1 & pit 2.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No usable top soil generation has been proposed. The Soil mixed with scree is also saleable. Seperate benches proposed in O/B/ SB of Schist & gneisses in the lease area.	The workings are closed.
2c	Stripping ratio or ore to OB ratio	1: 0.70 during the year 2019-20.	Not applicable as mine is closed presently.
2d	Quantity of topsoil generation in m3	None, Soil mixed with scree is also saleable.	Not applicable
2e	Quantity of overburden generation in m3	26670 Cu M	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The workings are closed presently.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit 1 & Pit 2	Pit 1 & Pit 2	
3b	Quantity of ROM mineral production proposed	100520 T during 2018-19	Nil during 2018-19 as mine is closed.	
3c	Recovery of sailable/usable mineral from ROM production	90% is saleable & rest is waste	Nil	
3d	Quantity of mineral reject generation	None	Not applicable as workings are closed.	

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3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable
3f	Quantity of sub grade mineral generation.	No generation of Subgrade mineral anticipated.	Not applicable
3g	Grade of sub grade mineral generation	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Not applicable as mine workings is closed.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None during this plan period.	Not applicable
3j	Provision of drilling and blasting in mineral benches	Drilling of 110 mm Dia holes up to 6m depth by Long hole drilling & Also by Jack hammer holes of 32 mm dia to a depth of 3m proposed & blasting with slurry explosives.	The mine workings are presently closed.
3k	Provision of mining machineries in mineral benches	The use of rock breaker, Excavator & dumper combination proposed.	The mine workings are presently closed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The mine workings are presently closed.
3m	Total area covered under excavation/pits	1.15 ha	1.15 ha
3n	Ore to OB ratio for the pit/mine during the year.	1 :0.064 during 2018-19	The mine workings are presently closed.

3o	Total area put in use under different heads at the end of year	Under excavation - 1.15 ha, roads 0.15 ha area only	Under excavation - 1.15 ha, roads 0.15 ha area only
3p	Production of ROM mineral during the last five year period as applicable	2014-15--> Nil, 2015-16--> 42720T, 2016-17--->100680T, 2017-18--> 100880 T, 2018-19-->100520 T.	2014-15--> Nil, 2015-16--> 400T, 2016-17--->400T, 2017-18--> Nil, 2018-19-->Nil.
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The method of Mining is opencast mechanized deploying HEMM. The Mining operations are presently closed.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no usable top soil, separate dumping of O/B & S/B waste of Schist & Gneisses proposed towards boundary line OP. There is no reject generation.	The mine was closed & no dumps observed.	
4b	Location of topsoil, OB and mineral reject dumps	No top soil & Reject Dumps proposed. O/B & S/B waste of schist & Gneisses proposed near Boundary Line OP.	The mine was closed & no dumps observed.	
4c	Number of dumps within lease area and outside of lease area	Single	Single	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side Ultimate pit limit on non mimeralised ground.	The mine was closed & no dumps observed.	

4e	Number of active and alive dumps.	Single	The mine was closed & no dumps observed.
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	The retaining wall along downstream side proposed to be made.	The mine was closed & no dumps observed. Whatever waste generated had been used in road maintainance by local villagers as reported.
4i	Length of Retaining wall or garland drain all along dumps	Not specified.	Nil, as no waste found dumped.
4j	Number of settling ponds	No proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	There was no waste available at the time of inspection of the mine, what ever little waste generated had been used in road maintainance by local villagers.

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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 for backfilling made as mineral is continuing in depth.	Not applicable	
5b	Area under backfilling of mined out area	No area became matured for backfilling as mineral is continuing in depth.	No area became matured for backfilling as mineral is continuing in depth.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not applicable	
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	There is no matured area available for backfilling as mineral is continuing in depth.
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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).	Yes as per rule	Submitted	
6b	Area available for rehabilitation (ha) .	No matured area available for reclamation & rehabilitation	No matured area available for reclamation & rehabilitation.	
6c	afforestation done (ha).	A total of 100 trees proposed to be planted over 0.01 ha during 2018-19	The mine was closed & no plantation carried out during the year.	
6d	No. of saplings planted during the year	A total of 100 trees proposed to be planted over 0.01 ha during 2018-19	Mine was closed. No plantation carried out during the year.	
6e	Cumulative no .of plants	Not specified	Nil so far. Only naturally grown bushes & shrubs exist there in the lease area.	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	Not specified	Nil during current year 2018-19.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No matured area available for backfilling.	No matured area available for backfilling.	



6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	100 trees proposed to be planted during 2018-19.	Mine was closed & no plantation carried out so far.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes proposed.	Not done as mining was closed.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The mining operations were found closed at the time of inspection & same were closed for last two years.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	100520 T	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Not applicable as mine was closed.	
7c	Different grade of mineral sorted out at mines.	Single	Single	
7d	Any beneficiation process at mines	None	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	The mine was closed for last two years & there was no issue regarding mineral conservation in the mine.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no usable top soil over the deposit.	There is no usable top soil over the deposit.	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no generation of reject. The O/B & S/B waste of schist & gnesses proposed to be dumped near boundary line OP.	No dumps found as mine was closed, whatever waste generated has been used in road maintainance by local villagers.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	A total of 100 saplings proposed to be planted over an area of 0.01 ha each year during the plan period.	The mine was closed & no plantation done so far by the applicant.
8g	Survival rate	Not specified	Not applicable.
8h	Water sprinkling on roads to control airborne dust	Yes Proposed	The mine was closed at the time of mine Inspection.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthatic beauty in & around the mine was satisfactory.

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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	Not applicable.	The M/R submitted up to May 2019. The A/R not become due for submission.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The A/R not become due for submission.	The A/R not become due for submission.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The A/R not become due for submission.	The A/R not become due for submission.
9d	Scrutiny of Annual return on afforestation	The A/R not become due for submission.	The A/R not become due for submission.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The A/R not become due for submission.	The A/R not become due for submission.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The A/R not become due for submission.	The A/R not become due for submission.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The A/R not become due for submission.	The A/R not become due for submission.
9h	Scrutiny of Annual return on fixed assets	The A/R not become due for submission.	The A/R not become due for submission.
9k	Scrutiny of Annual return on mining machineries	The A/R not become due for submission.	The A/R not become due for submission.

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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 45(5)(b)	15-MAY-19	10-JUN-19			
MCDR17 Rule 45(5)(c	15-MAY-19	10-JUN-19			

**Date :**

(Sharma H.C.)

Indian Bureau of Mines