

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/BAR-15/SE-05

Mine code : 97RAJ04002

- (i) Name of the Inspecting : **P022**) **PANKAJ KULSHRESTHA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Abhijeet Parakh, Partner, Shri Bhoom Singh, Mini
Official with
Designation
- (iv) Date of Inspection : 01/10/2024
- (v) Prev.inspection date : 24/08/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MURAD KI DHANI(2/85)**
- (b) **Registration NO.** : **IBM/8218/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : BARMER
Village : MURAD KI DHANI
Taluka : SHEO
Post office :
Pin Code :
FAX No. :
E-mail : sales@ppearth.com
Phone : 0291 2710922, 9352222585
- (f) Police Station : Sheo
- (g) First opening date : 19/02/1986
- (h) Weekly day of rest : SUN
2. Address for : M/s P. P. Enterprises
correspondance : R/o Saturday Shopee, E- Sector Shastri Nagar
Kalpataru Shopping Centre, Jodhpur-342003
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : SILICEOUS EARTH Main

5. Name and Address of the

Lessee : P.P. ENTERPRISES
KRISHNA KUNJ, NEAR ADESHWAR
TOWER, CHOPASNI ROAD,
JODHPUR RAJASTHAN
Phone:0291-5105226
FAX :0291-2719064

Owner : P. P. ENTERPRISES
R/o Staurday Shopee E-
Sector Shastri Nagar,
Jodhpur JODHPUR RAJASTHAN
Phone: 9352222585
FAX :

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 27/09/2018
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year		Non Core 12 bore holes drilled with total meterage of 143 meters during 14/08/2024 to 16/08/2024.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2c	Stripping ratio or ore to OB ratio	0.5725	NA	
2d	Quantity of topsoil generation in m3	Nil	No generation reported.	
2e	Quantity of overburden generation in m3	16350.00 cu.m. during the year 2023-24.	400 cu.m. of overburden reported during the year 2023-24.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The overall status of development of pit w.r.t. type of deposit may be considered as satisfactory. However bench formation is essential. Further mining activity beyond lease boundary observed in drone image. A violation letter has been prepared in this regard.	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One pit during the year 2023-24	One pit	
3b	Quantity of ROM mineral production proposed	9360.00 T during the year 2023-24	Total 2700 T of ROM produced during the year 2023-24. A violation letter has been prepared in this regard.	
3c	Recovery of sailable/usable mineral from ROM production	6552.00 T was estimated to be recovered from 9360 T of ROM	Toal 2700 T of usable mineral recovered during the year 2023-24	

3d	Quantity of mineral reject generation	2808.00 T during the year 2023-24	Nil
3e	Grade of mineral rejects generation and threshold value declared.	NA	Not applicable
3f	Quantity of sub grade mineral generation.	Not applicable	Not applicable
3g	Grade of sub grade mineral generation	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	As above
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	No such provision	Not applicable
3k	Provision of mining machineries in mineral benches	Yes, Excavator cum loader	As above
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 meter height of bench proposed	The height of bench observed more than 8 meters. THE mining is being done by forming single bench.
3m	Total area covered under excavation/pits	0.29 hect.	0.11 hecets.
3n	Ore to OB ratio for the pit/mine during the year.	0.5725 : 1	As above
3o	Total area put in use under different heads at the end of year	6.4 hecets. of area proposed to put in use under different heads.	5.78 hecets. of area put in use under different heads at the end of year 2023-24.

3p	Production of ROM mineral during the last five year period as applicable	2019-20 : T 2020-21 : T 2021-22 : T 2022-23 : T 2023-24 : 9360 T	2019-20 : T 2020-21 : T 2021-22 : T 2022-23 : 3459.54 T 2023-24 : 2700 T
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3q	General remarks of inspecting officers on method of mining etc.	NA	The present status of method of mining may not be considered as satisfactory. The mining is being done by forming a single bench of more than 8 meters of height. No separate bench of r top soil/overburden and mineral.
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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)	NA	NA	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	Three	Total three dumps within the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Near Pit No.-1	Near Pit No.-1	
4e	Number of active and alive dumps.	Three	Three	
4f	Number of dead dumps.	NA	Nil	
4g	Number of dumps established.	NA	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Yes	Nil	

4j	Number of settling ponds	No such proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	The overall dump management may be considered as satisfactory.

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	Not applicable	
5b	Area under backfilling of mined out area	It was proposed to back fill 3300 sq.m. of area	Only 400 sq.m. of area has been reported as backfilled during the year 2023-24. A violation letter has been prepared in this regard.	
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.	NA	Satisfactory.	

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	Yes, submitted	

6b	Area available for rehabilitation (ha) .	Nil	NA
6c	afforestation done (ha).	0.08 hect.	As above
6d	No. of saplings planted during the year	60 saplings	60 saplings planted during the year 2023-24.
6e	Cumulative no .of plants	NA	NA
6f	Any other method of rehabilitation	No such proposal	Not applicable
6g	Cost incurred on watch and care during the year	Rs. 16000/-	Rs. 16000/- duirng the year 2023-24
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	Not applicable.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No such proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Not applicable.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	Not applicable

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.08 hectares under afforestation program	As above.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes , monitoring is being done in core and buffer zone.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The overall status on PMCP compliance and progressive closure operations may be considered as satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch, no grade wise sorting proposed.	As above.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal	No grade wise sorting is being done in the lease area.	
7c	Different grade of mineral sorted out at mines.	No such proposal	Not applicable.	
7d	Any beneficiation process at mines	No such proposal	Not applicable	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The overall status on mineral conservation may be considered as satisfactory.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes proposed.	No separate removal observed	
8b	Concurrent use or storage of topsoil	Yes	Yes, concurrent use of top soil.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes, overburden used for restoring the land to its original.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Total 60 saplings have been planted during the year 2023-24. However due to adverse climatic conditions survival rate is very poor.	
8g	Survival rate	60%	Dur to very adverse climatic conditions the survival is very poor. It is around 20% in long term.	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes,due to scaracity of water occasional water sprinkling on roads is being done.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status on aesthetic beauty in and around mines area may be considered as satisfactory.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes ,as per rule	Yes, submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : Shri Rakesh Purohit Geologist : Shri Shailendra Kumar Soni	As above	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings : 3.850 H Used for waste disposal : 1.050 H Occupied by plant, buildings, residential, welfare buildings and roads : 0.320 H Used for any other purpose (specify) MINERAL STORAGE : 0.560 H	As above	
9d	Scrutiny of Annual return on afforestation	No. of trees planted during the year : 60 Total no. of trees at the end of the year : 660 Survival rate : 60%	As above.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	As above
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Stock : 691.680 T Production during the year 2023-24 : 2700 T Closing stock : 261.810 T	The information furnished seems to be correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price : Rs. 800.00 Cost of production per tonne of ore-mineral : Rs. 402.70	The information furnished above seems to be correct.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets at the beginning of the year 2023-24 : Rs. 600000, Net closing Balance : 600000 and Estimated market value reported as Rs. 200000.	The information furnished above seems to be correct.
9k	Scrutiny of Annual return on mining machineries	Two machineries including 1 dumper reported in the annual return.	As above.

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)	04/02/2025			

Date :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines