

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-10

Mine code : 38HPR10021

- (i) Name of the Inspecting : **S038**) **SHAILENDRA SAKLANI**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri Ajay Purkaystha, Mines manager
Official with
Designation
- (iv) Date of Inspection : 18/03/2017
- (v) Prev.inspection date : 07/09/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PAMTA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : PAMTA SAMHA
- Taluka : PAONTA SAHIB
- Post office : SHAWAGA
- Pin Code :
- FAX No. : N.A
- E-mail : N.A
- Phone : (01704)-22207,(0135)-655590
- (f) Police Station : PAOTA SAHIB
- (g) First opening date : 19/09/1977
- (h) Weekly day of rest : SUN
2. Address for : M/S A. DEAN & CO.
correspondance : 12, GANDHI ROAD
DISTRICT - DEHRADUN (UTTRANCHAL)
3. (a) Lease Number : HPR0012
- (b) Lease area : 4.89
- (c) Period of lease : 50
- (d) Date of Expiry : 19/09/2027
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : A. DEAN & CO.
 A. DEAN & CO. 12, GANDHI
 ROAD DEHRADUN SIRMUR
 HIMACHAL PRADESH
 Phone:
 FAX :

Owner : M. Dean
 M/s A. Dean &Co. 12, Gandhi
 Road Dehardun DEHRADUN
 UTTARAKHAND
 Phone: (01704)-22207
 FAX :

Agent : M. Dean
 M/s A. Dean & co. 12,
 Gandhi Road Dehradun
 DEHRADUN UTTARAKHAND
 Phone: (01704)-22207
 FAX :

Manager
 Name : Ajay Purkaystha
 Qualification : FOREMAN CERTIFICATE HOLDER
 Appointment/ : 01/04/2009
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	19/11/1991
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	31/12/1998
		Renewal under rule 22 MCR1960	30/11/2005
		FMCP under 23C(1)	13/11/2007
		Mining Scheme rule 12 MCDR1988	13/04/2011

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Two boreholes in western block and one borehole in eastern block were proposed to ascertain the depth persistence and grade of mineral	The mine is not in operation since last one year hence the backlog could not be completed.	
1b	Exploration over lease area for geological axis 1 or 2	During the year 2016-17, it was proposed to dug 4 trial pits in two blocks to ascertain the grade and behaviour of ore body.	The same could not be done as the mine is not in operation since last one year.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	The same could not be done as the mine is not in operation since last one year.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration proposals are not incorporated for the balance area to be explored to bring geological axis in 1 or two.	None at present.	
1e	Balance reserve as on 01/04/20	As per mining plan approved on 22.04.2016, the reserves have been estimated to the tune of 0.89 million tonnes under 111 category and 0.25 under 122 category.	The mine is not in operation since last one year due to environment clearance. There is no depletion in reserves.	

1f	General remarks of inspecting officers on geology, exploration etc	The mine is not in operation since last two years.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per proposals incorporated in the mining plan mining was proposed in three block i.e. central, eastern and western block.	Mine is not in operation since last one year due to want of environment clearence.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposals are incorporated.	Mine is not in operation since last one years due to want of environment clearence.	
2c	Stripping ratio or ore to OB ratio	As per proposals stripping ratio is anticipated to 1:0.11	Mine is not in operation since last one year due to want of environment clearence.	
2d	Quantity of topsoil generation in m3	As per proposals no soil shall be generated	Mine is not in operation since last one year due to want of environment clearence.	
2e	Quantity of overburden generation in m3	As per proposals approximately 5111 cum of waste shall be generated during the year 2016-17.	Mine is not in operation since last one year due to want of environment clearence.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine is not in operation since last two years due to want of environment clearence.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	As per proposals mining was proposed in two pits of central and eastern block whereas in the wetern block it was proposed in the wetern block.	Mine is not in operation since last one year due to want of environment clearence. In the past mine has not been developed systematically. Bench height were not maintained as per proposals.
3b	Quantity of ROM mineral production proposed	During the year 2016-17 it was proposed to obtain 115000 tonnes of limestone mineral.	Mine is not in operation since last one year due to want of environment clearence.
3c	Recovery of sailable/usable mineral from ROM production	approximately 90% is projected as per mining plan.	Mine is not in operation since last one year due to want of environment clearence. However, in the past recovery was nearly 90%.
3d	Quantity of mineral reject generation	The same is not projected.	Mine is not in operation since last one year.
3e	Grade of mineral rejects generation and threshold value declared.	It is not proposed	None
3f	Quantity of sub grade mineral generation.	No sub grade mineral is proposed	No sub grade materila is generated from the mine.
3g	Grade of sub grade mineral generation	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method is adopted	In the past manual method was adopted.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	none at present	none

3j	Provision of drilling and blasting in mineral benches	Provisions are incorporated.	Mine is not in operation.	
3k	Provision of mining machineries in mineral benches	Provisions are incorporated.	Mine is not in operation at present.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The same is proposed	Mine is not in operation at present.	
3m	Total area covered under excavation/pits	Approximately 1.86 hectares of area is proposed under mining during the next five years.	Mine is not in operation at present.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	Mine is not in operation.	
3o	Total area put in use under different heads at the end of year	As per proposals a total of 2.252 hectares of area has been put to use under different heads during the next five years.	At present mine is not in operation.	
3p	Production of ROM mineral during the last five year period as applicable	Production proposed for the last five years- 2011-12- 82000 tonnes, 2012-13- 82000 tonnes, 2013-14-82000 tonnes, 2014-15-89271 tonnes, 2015-16-89000 tonnes.	Actual production- 2011-12- 74268 tonnes 2012-13- 78478 tonnes 2013-14- 66550 tonnes 2014-15- 55620 tonnes 2015-16- 88200 tonnes	Production obtained as per proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Soil and mineral rejects are not being generated at the mine. Whatever waste shall be generated would be used for making parapet walls, check dams and maintainance of PWD road as proposed.	Mining operations were closed at the time of inspection.
4b	Location of topsoil, OB and mineral reject dumps	No such proposals are incorporated.	Mining operations were closed at the time of inspection.
4c	Number of dumps within lease area and outside of lease area	An old dump covering an area of 0.13 hecets has been observed towards central portion of the lease.	Mining operations were closed at the time of inspection.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Near central portion of the lease.	No dumping is being carried out at present.
4e	Number of active and alive dumps.	One old dump	One old dump was seen.
4f	Number of dead dumps.	None	None
4g	Number of dumps established.	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	The same has not been provided	The same has not been provided
4i	Length of Retaining wall or garland drain all along dumps	The same has not been provided	The same has not been provided
4j	Number of settling ponds	None	None
4k	Specific comments of inspecting officer on waste dump management		One old dump has been observed.

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.	Area yet not matured for back filling.	not applicable	
5b	Area under backfilling of mined out area	Not applicable	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	Not applicable	
5d	Total area fully reclaimed and rehabilitated	None at present	None at present	

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).	The same has not been submitted	Mine is not in operation for than one year	
6b	Area available for rehabilitation (ha) .	None at present	None at present	
6c	afforestation done (ha).	As per proposals 60 to 70 saplings shall be planted every year.	No plantation has been carried out during the year 2016-17 as the mine is closed at present.	
6d	No. of saplings planted during the year	As per proposals 60 to 70 saplings shall be planted every year.	None	
6e	Cumulative no .of plants	570 saplings as per proposals	350 saplings approximately.	
6f	Any other method of rehabilitation	None	None	

6g	Cost incurred on watch and care during the year	10000 as per proposals	figures were not made available
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals are incorporated as the area is not matured for reclamation and rehabilitation	Area is not matured for reclamation and rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not applicable	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not applicable	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not applicable	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not applicable	Not applicable

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable	Not applicable
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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 is carried out at the stack yard.	Grade wise sorting is carried out at the stack yard.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Grade wise sorting is carried out at the stack yard.	Grade wise sorting is carried out at the stack yard.	
7d	Any beneficiation process at mines	None at present	None at present	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Entire material is saleable.	Entire material is saleable.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Insignificant quantity of top soil is generated at the mine.	Insignificant quantity of top soil is generated at the mine.	
8b	Concurrent use or storage of topsoil	Insignificant quantity of soil is generated	Insignificant quantity of soil is generated	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No rejects are generated at the mine.	Waste rocks are dumped separately.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Waste shall be used for construction of check dams and maintenance of road.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Area yet not matured for restoration	Area yet not matured for restoration
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposals are incorporated.	plantation has been carried out near mine office.
8g	Survival rate	It is around 50%.	It is around 50%.
8h	Water sprinkling on roads to control airborne dust	The same has not been observed	The same has not been observed as the mine was closed at the time of inspection.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and annual returns are being submitted regularly. The same are being submitted on line also.		

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given in annual return	Given in annual return
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in annual return	Given in annual return
9d	Scrutiny of Annual return on afforestation	Given in annual return	Given in annual return
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in annual return	Given in annual return
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in annual return	Given in annual return
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in annual return	Given in annual return
9h	Scrutiny of Annual return on fixed assets	Given in annual return	Given in annual return

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

Date :

(SHAIENDRA SAKLANI)

Indian Bureau of Mines