

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR REPORT
Dehradun regional office

Minecode: 38HPR10008

(i)	Name of the Inspecting Officer	Deepak Sharma
(ii)	Designation	Senior Mining Geologist
(iii)	Accompanying mine official with designation	Shri A K Chabra & Shri Shiniwas Pandey
(iv)	Date of Inspection	15.10.2024
(v)	Prev. Inspection date	-

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	Bohar Limestone Mines 4.15 hect
	(b)	Registration No.	IBM/1119/2011
	(c)	Category	A-Category
	(d)	Type of Working	Opencast
	(e)	Postal Address	
		State	Himachal Prdaesh
		District	Sirmour
		Village	Bohar
		Taluka/Tehsil	Paonta Saheb
		Post Office	Poanta Saheb
		Pin Code	1735001
		FAX No.	NA
		E-mail	rajendra.tewari@gmail.com
		Phone	NA
	(f)	Police Station	Banour
	(g)	First Opening Date	NA
	(h)	Weekly day of rest	Sunday
2		Address for Correspondence	M/s Jai Singh and Thakur
			205/10 Devi Nagar
			Tehsil-Paonta Saheb
			District-Sirmour
			Himachal Pradesh
3	(a)	Lease Number	-
	(b)	Lease Area	4.15 hect
	(c)	Period of Lease	50 Years upto 24.04.2035
4		Mineral Worked	Limestone

PART-II: OBSERVATION / COMMENT OF INSPECTING OFFICER

1. Exploration:

S.N.	Item	Proposals	Actual Work
1a	Backlog of previous year	No exploration was proposed	No exploration worked in the reporting year as there were no exploration proposed
1b	Exploration over lease area for Geological axis 1 or 2.	Whole lease area is already explored upto the level of G1	Whole Lease area is explored upto the level of G1 as per UNFC and MEMC 2015
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Lessee himself under the supervision of supervisor and geologist
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Whole ML area is explored upto the G1 level	Whole ML area is explored upto the G1 level
1e	Balance reserves as on 01.04.2017	111-128528 121-0.00 122-441969 221-417266	111-17629 121-0.0 122-441969 221-417266
1f	General remarks of Inspecting officer on geology, exploration etc.	No proposal for reporting year, depletion of last years considered.	

2. Development:

S.N.	Item	Proposals	Actual Work
2a	Location of Development w.r.t. lease area	It was proposed to do work in the pit 1	Working was done in the proposed location within pit 1
2b	Separate benches in topsoil overburden and mineral (Rule 15)	No proposal in the top soil and OB	No working in top soil and OB
2c	Stripping ratio or ore to OB ratio	1.0	1:0.93
2d	Quantity of topsoil generation in m ³	No proposal for the reporting year	No top soil generated in the year
2e	Quantity of overburden generation in m ³	No proposal for the reporting year	No OB generated in the year
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Working was in the same proposed location, no lateral deviation in the working location. However, the dimensions of mineral benches are not as per the proposal bench height and width are more than the proposal of 6-meter, violation for the same has been issued under rule 11(1) of MCDR 2017.	

3. Exploitation:

S.N.	Item	Proposals	Actual Work
3a	Number of pits proposed for production	Single pit was proposed for production	Working was done in the pit 1
3b	Quantity of ROM mineral production proposed	95000 tonnes	19059.20 tonnes
3c	Recovery of Salable/usable mineral from ROM production	100%	93% approx.
3d	Quantity of mineral reject generation	4750 tonnes	953 tonnes
3e	Grade of mineral reject generation and threshold value declared	Not available	Nil
3f	Quantity of sub-grade mineral generation	Not Available	Nil
3g	Grade of sub-grade mineral generation	Not Available	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method proposed	HEMM is being used
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Available	Nil
3j	Provision of drilling & blasting in mineral benches	Proposed	Drilling and blasting is being done in the mineral bench as and when required
3k	Provision of mining machineries in mineral benches	HEMM is proposed to be used	HEMM is being used in the mineral benches
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meter width & 6 meter height	As per proposal mineral benches are suitable for mining
3m	Total area covered under excavation /pits	4.15 hect	2.96 hect
3n	Ore to OB ratio for the pit/mine during the year	1:1.0	1:0.93
3o	Total area put in use under different heads at the end of year	4.75 hect	3.30 hect
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20=95000 2020-21=95000 2021-22=95000 2022-23=95000 2023-24=95000	2019-20=0 2020-21=24461.10 2021-22=33339.5 2022-23=34040.8 2023-24=19059.20
3q	General remarks of inspecting officer on method of mining etc.	Production is less than the proposed production violation has been issued for the deviation under rule 11(1) of MCDR 2017.	

4. Solid Waste Management-Dumping:

S.N.	Item	Proposals	Actual Work
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	Soil and OB was not generated during the year
4b	Location of topsoil, OB & mineral reject dumps	North East part of the ML area	In the north East part of the ML area as per proposal
4c	Number of Dumps within lease area and outside lease area	2 Dump	2 Dumps
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL
4e	Number of Active & Alive dumps	1 Active Dump & 1 Dead Dump	As per proposal 1 dump is active and 1 dump is dead and established by means of plantation
4f	Number of deed dumps	Not Available	Nil
4g	Number of dumps established	Not available	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Not done
4i	Length of Retaining wall or garland drain all along dump	275 meter Parapet wall was proposed	All the parapet walls were washed out due to heavy rain debris can be seen in the foothills.
4j	Number of settling ponds	Not proposed	Nil
4k	Specific commends of inspecting officer on waste dump management	Parapet wall were washed out and broke due to heavy rain debris were seen in the foot hills. However, violation for the same has been issued under rule 11(1) of the MCDR 2017.	

5. Solid Waste Management-Backfilling:

S.N.	Item	Proposals	Actual Work
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction proposed	Full extraction of mineral is not done yet mineral continuity still exists
5b	Area under backfilling of mined out area	Not available	No area fully mature for backfilling
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not available	No soil generated in the reporting year
5d	Total area fully reclaimed & rehabilitated	Not available	No area fully mature enough for reclamation program
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Mineral continuity still exist in the pits no area is available for backfilling.	

6. Progressive Mine Closer Plan:

S.N	Item	Proposals	Actual Work
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E(2). Details should be given in the format as given in Annexure-20	Proposed	Submitted
6b	Management of worked/mined out benches		
	i) Area available for rehabilitation (Ha)	Not available	Nil
	ii) Afforestation done (ha)	Proposed	0.05 hect
	iii) No. of saplings planted during the year	130 nos	130 nos
	iv) Cumulative no. of plants	750 nos	500 nos
	v) Any other specific method of rehabilitation	Not available	Nil
	vi) Cost incurred on watch & care during the year	Proposed	21500 INR
6c	Compliance on reclamation and rehabilitation by backfilling		
	i) Voids available for backfilling (L*B*D)	Not available	Nil
	ii) Void filled by waste/tailings	Not available	Nil
	iii) Afforestation on the backfilling	Not available	Nil
	iv) Rehabilitation by making water reservoir	Not available	Nil
	v) Any other specific means	Not available	Nil
6d	Compliance of Rehabilitation of waste land within lease		
	i) Afforestation	Proposed	Plantation
	ii) Area rehabilitation	Proposed	0.05 hect
	iii) Method of rehabilitation	Proposed	Plantation
6e	Compliance of Environment monitoring (core zone & buffer zone)	Not available	As per approved mining plan
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Plantation was done in the ML however the survival rate is too low due to extreme weather in the region violation for same has been issued under rule 42 of MCDR 2017	

7. Mineral Conservation:

S.N.	Item	Proposals	Actual Work
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch was proposed	Rom is being dispatched to the storage facility
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Proposed	Manual at storage facility
7c	Different grade of mineral sort out at mine	Not available	Nil
7d	Any beneficiation process at mines	Not available	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is being dispatched to storage facility due to hilly terrain storage facility is in the down hills	

8. Environment:

S.N.	Item	Proposals	Actual Work
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	No soil was generated during the year
8b	Concurrent use or storage of topsoil	Proposed	In plantation, as and when generated
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	As per proposal
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not available	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not available	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not available	Nil
8g	Survival rate	90%	65%
8h	Water sprinkling on roads to control airborne dust	Proposed	With use of water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Survival rate of the plantation is very low. No soil was generated during the year.	

9. Compliance of Rule 45:

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	AR and MR submitted	AR and MR submitted online
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	furnished	7. Manager : Sh. Ashok Das 8. Mining Engineer in charge: Kamal Thakur 9. Geologist in charge : Sh.Suhas Kumar Sinha
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	3.30 hect
9d	Scrutiny of Annual return on afforestation	Furnished	130 nos
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Furnished	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Furnished	Cement Grade-19059.20 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Furnished	CementGrade-1477 INR
9i	Scrutiny of Annual return on Fixed assets	Furnished	Furnished
9k	Scrutiny of Annual return on mining Machineries	Furnished	Air compressor, dumper, excavator