

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

**Mine File No.**

**Minecode: 38HPR10078**

(i)	Name of the Inspecting Officer	Deepak Sharma
(ii)	Designation	Senior Mining Geologist
(iii)	Accompanying mine official with designation	Rakesh Choudhry Mine Owner
(iv)	Date of Inspection	15.09.2022
(v)	Prev. Inspection date	-

**PART-I: GENERAL INFORMATION**

<b>1</b>	(a)	Mine Name	Banour 0.874 Limestone Mine
	(b)	Registration No.	
	(c)	Category	A-Category
	(d)	Type of Working	Opencast
	(e)	Postal Address	
		State	Himachal Pradesh
		District	Sirmour
		Village	Banour
		Taluka/Tehsil	Paonta Sahib
		Post Office	Kamroo
		Pin Code	173001
		FAX No.	NA
		E-mail	Bssr2002@gmail.com
		Phone	NA
	(f)	Police Station	Sirmour
	(g)	First Opening Date	NA
	(h)	Weekly day of rest	-
<b>2</b>		Address for Correspondence	M/s Balbir Singh Supa Ram
			Village & Post-Kamroo
			Tehsil - Poanta Sahib
			District Sirmour
			Himachal Pradesh-173001
<b>3</b>	(a)	Lease Number	-
	(b)	Lease Area	0.874 Hectare
	(c)	Period of Lease	50 Years
<b>4</b>		Mineral Worked	Limestone

**PART-II: OBSERVATION / COMMENT OF INSPECTING OFFICER**

**1. Exploration:**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	2 nos of core boreholes were proposed to be drilled in the year 2022-23	Not done	Violation for non compliance were issued under rule 11(1) of MCDR 2017
1b	Exploration over lease area for Geological axis 1 or 2.	Potential mineralized area is explored up to G1 level	Potential mineralized area is explored upto G1 level	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Potential Mineralized area is already explored upto G1 level	Potential Mineralized area already explore upto G1 Level	
1e	Balance reserves as on 01.04.2017	111-72817 121-26200 211-194076 221-122039	111-63393 121-26200 211-194076 221-122039	Units are in tones, Production depleted for the year 2022-23 only as the latest mining plan was approved in year 2022
1f	General remarks of Inspecting officer on geology, exploration etc.	Limestone of the region is of lower Himalayan Shivalik series, light grey to white colour limestone. Fine grained, hard and compact.		

**2. Development:**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It was proposed to work in single pit	Working was as per proposal	Development was slower with respect to the proposal, due to extreme climatic condition.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Benches of 5 meter was proposed to be prepared and maintained in the mineral	Benches were not maintained as per proposal	Violation for the non compliance of the proposal was issued under rule 11(1) of MCDR 2017
2c	Stripping ratio or ore to OB ratio	1:0.12	1:0.05	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	No Soil generated in the reporting

				year
2e	Quantity of overburden generation in m <sup>3</sup>	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development was in the proposed location with slower rate due to heavy rains in the region and maintenance work. Violation for non-compliance of proposal of bench height was issued.		

### 3. Exploitation:

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Single pit mining was proposed	Working was done in the single pit	
3b	Quantity of ROM mineral production proposed	16667	9924.70	
3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not Proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil	
3g	Grade of sub-grade mineral generation	Not Proposed	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method	Mechanical method adopted for working in the previous years	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Proposed	As per proposal	
3k	Provision of mining machineries in mineral benches	Use of HEMM was proposed to be used in the mineral benches	HEMM was used for production in the previous years	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench height and width were suitable for mining	Suitable for mining	Bench height was not maintained violation for the same was issued.
3m	Total area covered under excavation /pits	1.572	1.572	As per last approved mining plan
3n	Ore to OB ratio for the pit/mine during the year	1:0.12	1:0.05	
3o	Total area put in use under different heads at the end of year	0.515	0.439	

3p	Production of ROM mineral during last five-years period, as Applicable	2022-23=16667 2021-22= 2020-21=25650 2019-20=23250 2018-19=24420	2022-23=9924.700 2021-22=3148.00 2020-21=14867.26 2019-20=8069 2018-19=0.00	
3q	General remarks of inspecting officer on method of mining etc			

#### 4. Solid Waste Management-Dumping:

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	OB dump was proposed	
4b	Location of topsoil, OB & mineral reject dumps	Proposed	Within the lease area in the southern side of the ML	
4c	Number of Dumps within lease area and outside lease area	Proposed	1 OB dump	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Proposed	Within the UPL	
4e	Number of Active & Alive dumps	Proposed	1-OB dump	
4f	Number of deed dumps	Not Available	Nil	
4g	Number of dumps established	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Garland drain and retaining wall prepared	
4i	Length of Retaining wall or garland drain all along dump	150 m retaining wall	175 m retaining wall	Some places retaining wall was collapsed dur to heavy rain, instructions were issued to repair retaining walls and garland drains.
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific commends of inspecting officer on waste dump management	Garland drain and retaining wall proposed and maintained, however due to extreme rain some places retaining walls were collapsed. Instruction to prepare them was given to ML holder and violation were issued for the same.		

## 5. Solid Waste Management-Backfilling:

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

## 6. Progressive Mine Closer Plan:

S.N	Item	Proposals	Actual Work	Remarks
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 Proposed	Nil	
	ii) Afforestation done (ha)	0.01	Nil	
	iii) No. of saplings planted during the year	15	0	
	iv) Cumulative no. of plants	60	30-35	
	v) Any other specific method of rehabilitation	Not Proposed	Nil	
	vi) Cost incurred on watch & care during the year	Not Proposed	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling			

	i) Voids available for backfilling (L*B*D)	Not Proposed	Nil	
	ii) Void filled by waste/tailings	Not Proposed	Nil	
	iii) Afforestation on the backfilling	Not Proposed	Nil	
	iv) Rehabilitation by making water reservoir	Not Proposed	Nil	
	v) Any other specific means	Not Proposed	Nil	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	Not Proposed	NIL	
	ii) Area rehabilitation	Not Proposed	Nil	
	iii) Method of rehabilitation	Not Proposed	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Not Proposed	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

## 7. Mineral Conservation:

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch is proposed	ROM is being dispatched to storage facility in the lower ground	Rom is being dispatched to lower ground and from there after hand sorting mineral is being sold
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Proposed	Manual sorting	
7c	Different grade of mineral sort out at mine	Proposed	Due to hilly region rom is sorted in the lower ground storage facility	
7d	Any beneficiation process at mines	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is being dispatch to lower ground storage facility and after manual sorting rom is being sold as per requirement.		

## 8. Environment:

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	As and when generated	
8b	Concurrent use or storage of topsoil	Proposed	As and when generated in plantation	
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	Proposed	As and when generated	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	No area mature enough for the process	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	As per approved mining plan	
8g	Survival rate	90%	45%	Due to extreme weather conditions
8h	Water sprinkling on roads to control airborne dust	Proposed	By using water tanker and sprinklers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

## 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	Manager & Mine Engineer Ajay Purkayastha Geologist-Soni
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	<b>Lease area (surface area) utilisation as at the end of year (hectares):</b> Under forest Outside forest Total (i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000

			(ii) Covered under current (O-C) Workings 0.000 0.327 0.327 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.166 0.166 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.013 0.013 (vi) Used for any other purpose (specify) 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000 13. Ownership-exploiting Agency of the mine: (Public Sector-Private Sector-Joint Sector) Private Sector
9d	Scrutiny of Annual return on afforestation	Furnished	<b>Trees planted- survival rate</b> Description Within lease area Outside lease area i) Number of trees planted during the year 50 0 ii) Survival rate in percentage 30 0 iii) Total no. of trees at the end of the year 70 0
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	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Furnished	Ex Mine Price 400.00 Cost per tonne 170.00
9i	Scrutiny of Annual return on Fixed assets	Not Furnished	NIL
9k	Scrutiny of Annual return on mining Machineries	Furnished	Front loader, Excavator