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

Mine File No. **Minecode: 38HPR10012**

(i)	Name of the Inspecting Officer	Deepak Sharma
(ii)	Designation	Senior Mining Geologist
(iii)	Accompanying mine official with designation	Kapil Anand
(iv)	Date of Inspection	29.07.2022
(v)	Prev. Inspection date	-

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	Hiyona Limestone Mines
	(b)	Registration No.	
	(c)	Category	A-Category
	(d)	Type of Working	Opencast
	(e)	Postal Address	
		State	Himachal Pradesh
		District	Sirmour
		Village	Mauza Barwas
		Taluka/Tehsil	Poanta Sahib
		Post Office	Poanta Sahib
		Pin Code	173001
		FAX No.	NA
		E-mail	Kapilanand51@gmail.com
		Phone	NA
	(f)	Police Station	Poanta Sahib
	(g)	First Opening Date	NA
	(h)	Weekly day of rest	-
2		Address for Correspondence	Kapil Anand
			R/o Bata Mandi
			Tehsil-Poanta Sahib
			District-Sirmour
			Himachal Pradesh-173001
3	(a)	Lease Number	-
	(b)	Lease Area	18.21 hect
	(c)	Period of Lease	50 Years
4		Mineral Worked	Limestone

PART-II: OBSERVATION / COMMENST OF INSPECTING OFFICER

1. Exploration:

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	NO exploration was proposed during the reporting year	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	Potential mineralized are is explored up to G1 level	Potential mineralized area is explored upto G1 level of exploration	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Not Mentioned	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Potential Mineralized area is already explored upto G2 level	Potential Mineralized area already explore upto G1 Level	
1e	Balance reserves as on 01.04.2017	111-9131300 122-3649520 221-90026 222-27124	111-	
1f	General remarks of Inspecting officer on geology, exploration etc.			

2. Development:

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It was propose to work in the old pit in the central part of the ML	Working was as per proposed location	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
2d	Quantity of topsoil generation in m^3	Nil	Nil	
2e	Quantity of overburden generation in m^3	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Working was done on the previous prepared mineral bench no soil generated during the reporting year		

3. Exploitation:

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Single pit working was proposed	Single pit working was done as per proposal	
3b	Quantity of ROM mineral production proposed	180000	95650.800	
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 was proposed	Mechanized method adopted	
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	Nil	
3k	Provision of mining machineries in mineral benches	Use of HEMM was proposed to be used	HEMM is being used for mineral production and dispatch	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Proposed bench height and width are suitable for opencast mining	
3m	Total area covered under excavation /pits	2.9368	2.7645	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.1	
3o	Total area put in use under different heads at the end of year	5.6000	4.7876	
3p	Production of ROM mineral during last five-years period, as Applicable	21-22=180000 22-23=180000	21-22=135224.90 22-23=95650.80	
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	As per proposal	
4b	Location of topsoil, OB & mineral reject dumps	Proposed	Within ML	
4c	Number of Dumps within lease area and outside lease area	Proposed	1-dump	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Proposed	Outside the UPL	
4e	Number of Active & Alive dumps	Proposed	1	
4f	Number of deed dumps	Not Proposed	Nil	
4g	Number of dumps established	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	As per proposal	
4i	Length of Retaining wall or garland drain all along dump	Proposed	As per proposal	
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific commends of inspecting officer on waste dump management			

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)	Proposed	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			

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)	0.35	0.38	
	iii) No. of saplings planted during the year	250	250	
	iv) Cumulative no. of plants	1000	1250	
	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	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Proposed	Manual soring is being done within the ml	
7c	Different grade of mineral sort out at mine	Not Proposed	Nil	
7d	Any beneficiation process at mines	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

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	In plantation over safety barrier zone	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	As and when generated	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed	In plantation over safety barrier zone	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	As per proposal	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	As per approved mining plan	
8g	Survival rate	90%	70%	
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			

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	Mining Engineer Dharmendra Bhati
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	**Lease area (surface area) utilisation as at the end of year (hectares):** Under forest Outside forest Total (i) Already exploited and abandoned by opencast (O-C) mining 0.000 1.350 1.350 (ii) Covered under current (O-C) Workings 0.000 0.410 0.410 (iii) Reclaimed-rehabilitated 0.000 2.200 2.200 (iv) Used for waste disposal 0.000 0.410 0.410 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 1.890 1.890 (vi) Used for any other purpose (specify) Remaining vergin land 0.000 11.030 11.030 (vii) Work done under progressive mine closure plan during the year 0.000 0.920 0.920
9d	Scrutiny of Annual return on afforestation	Furnished	**Trees planted-survival rate** Description Within lease area Outside lease area i) Number of trees planted during the year 250 0 ii) Survival rate in percentage 70 0 iii) Total no. of trees at the end of the year 250 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 308.78
9i	Scrutiny of Annual return on Fixed assets	Not Furnished	**Value of Fixed Assets* (₹ 4154494)**
9k	Scrutiny of Annual return on mining Machineries	Furnished	**Type of Machinery:** Give the following information for the types of machinery in use such as hoist, fans, drills, loaders, excavators, dumpers, haulages, conveyors, pumps, etc. Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery Electrical Nonelectrical (specify) Used in opencast underground (specify) AIR COMPRESSOR 90.000 CUM/MN 2 Non Electrical Opencast DUMPER 6.000 TONNE 3 Non Electrical Opencast FRONT END LOADER 70.000 CUM 2 Non Electrical Opencast WATER TANKER 10000.000 LITRE 1 Non Electrical Opencast