

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

Mine File No.

Minecode: 38J&K14009

(i)	Name of the Inspecting Officer	Deepak Sharma
(ii)	Designation	Senior Mining Geologist
(iii)	Accompanying mine official with designation	Mohd Ashraf Baba (Mine Representative) & Pankaj Pandey (QP)
(iv)	Date of Inspection	06.06.2023
(v)	Prev. Inspection date	-

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	Quatrang Zantrang Khrew Limestone Mine
	(b)	Registration No.	
	(c)	Category	A-Category
	(d)	Type of Working	Opencast
	(e)	Postal Address	
		State	Jammu and Kashmir
		District	Pulwama
		Village	Quatrang Zantrang
		Taluka/Tehsil	Pampore
		Post Office	Quatrang Zantrang
		Pin Code	190001
		FAX No.	NA
		E-mail	hkciptltd@gmail.com
		Phone	NA
	(f)	Police Station	Quatrang Zantrang
	(g)	First Opening Date	NA
	(h)	Weekly day of rest	-
2		Address for Correspondence	Mohd Yaqoob Mir
			Village Athwajan
			Tehsil
			District Srinagar
			Jammu and Kashmir 190001
3	(a)	Lease Number	-
	(b)	Lease Area	4.460 Hectare
	(c)	Period of Lease	50 Years
4		Mineral Worked	Limestone

PART-II: OBSERVATION / COMMENT OF INSPECTING OFFICER

1. Exploration:

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No Exploration were proposed during the reporting year	No Exploration carried out during the reporting year	
1b	Exploration over lease area for Geological axis 1 or 2.	Potential mineralized area is explored up to G2 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 to be explored upto G1 level	Potential Mineralized area needs to explore upto G1 Level	
1e	Balance reserves as on 01.04.2017	111-6973670 122-1882005 333-941565	111-6828025.4 122-1882005 333-941565	Units are in tones, Production depleted from last reported AR
1f	General remarks of Inspecting officer on geology, exploration etc.	2022-23 was lapse period, due to non-availability of approved mining plan		

2. Development:

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It was proposed to work in the three pits namely PIT E1, E2 & E3	Working was as per proposed location with slower rate of development	Development was not as per proposed rate, due to extreme climatic condition.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Benches of 6 meter was proposed to be prepared and maintained in the mineral	NO benches in OB and Top Soil, only mineral benches are maintained with height of 7-8 meters	No OB and SOIL available in the lease.
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	
2d	Quantity of topsoil generation in m ³	Nil	Nil	No Soil generated in the reporting year
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	2022-23 was lapse period, due to non-availability of approved mining plan		

	etc.	
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3. Exploitation:

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Three pits were proposed namely PIT E1, E2 & E3	Working was done in the three small pits near the pillar no B	
3b	Quantity of ROM mineral production proposed	In the reporting year 2022-23 as lapse period	2022-23 was lapse period no production was reported in the year	Due to non-availability of valid mining plan.
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	Not Proposed	NIL	Drilling and Blasting is prohibited.
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	Not Proposed	NIL	Mine was temporary closed due to non-availability of approved mining plan.
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	Not Proposed	NIL	
3o	Total area put in use under different heads at the end of year	Not Proposed	NIL	
3p	Production of ROM mineral during last five-years period, as Applicable	2022-23=0 2021-22=116400 2020-21=79840 2019-20=56460 2018-19=29070	2022-23=0 2021-22=37268 2020-21=66000 2019-20=26150 2018-19=12356.6	

		2017-18=16200	2017-18=3870	
3q	General remarks of inspecting officer on method of mining etc	Mine was temporary closed due to non- availability of valid mining plan.		

4. Solid Waste Management-Dumping:

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	Only mineral bench are prepared and maintained	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Nil	No OB present in the lease area
4c	Number of Dumps within lease area and outside lease area	Not Proposed	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Nil	
4e	Number of Active & Alive dumps	Not Proposed	Nil	
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	Not Proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Nil	
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific commends of inspecting officer on waste dump management	Mine was temporary closed due to non-availability of valid mining plan. Reporting year 2022-23 was lapse period.		

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	Nil	

		year		
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	ML was executed in the year 2017 with validity period 50 yrs, no area is fully excavated, mineral does not exhaust yet. Mineral continuity still persists.		

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)	0.12	0.12	Plantation was done on the 7.5 meter barrier zone and on private land
	iii) No. of saplings planted during the year	20	20	
	iv) Cumulative no. of plants	100	130	Few are outside lease area on private land
	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)	Proposed	As per approved mining plan	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Mine was temporary closed for the year 2022-23, due to non-availability of valid mining plan.		

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 cement plant	ROM is being sold to cement plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	ROM is proposed to dispatch to cement plan without any processing	
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	ROM is being dispatch / sold to cement plant		

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	
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	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%	65%	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	Mine was temporary closed for the year 2022-23, due to non-availability of valid mining plan.		

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	Manager Mohd Ashraf Baba, Mining Engineer Surinder Prasad Ram	
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 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 1.082 1.082 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.002 0.002 (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	Trees planted- survival rate Description Within lease area Outside lease area i) Number of trees planted during the year 20 130 ii) Survival rate in percentage 80 70 iii) Total no. of trees at the end of the year 16 91
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 280.00 No Production during the reported year. Due to non-availability of approved mining plan.
9i	Scrutiny of Annual return on Fixed assets	Not Furnished	NIL
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 10.000 CUM/MN 1 Non Electrical Opencast ROCKER SHOVEL LOADER 1.200 CUM 2 Non Electrical Opencast DUMPER 16.000 TONNE 2 Non Electrical Opencast TIPPER 8.000 CUM 6 Non Electrical Opencast