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

Mine File No. **Minecode: 38J&K09002**

(i)	Name of the Inspecting Officer	Deepak Sharma
(ii)	Designation	Senior Mining Geologist
(iii)	Accompanying mine official with designation	Mysir Khan Mines Manager, Javed Ali Geologist, QP
(iv)	Date of Inspection	21.11.2022
(v)	Prev. Inspection date	-

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	Tulpow Limestone Mine 77.96 hect
	(b)	Registration No.	
	(c)	Category	A-Category
	(d)	Type of Working	Opencast
	(e)	Postal Address	
		State	Jammu & Kashmir
		District	Srinagar
		Village	Tulpow
		Taluka/Tehsil	Pantha Chowk
		Post Office	Pantha Chowk
		Pin Code	190001
		FAX No.	NA
		E-mail	info@khybercement.com
		Phone	NA
	(f)	Police Station	Pantha Chowk
	(g)	First Opening Date	NA
	(h)	Weekly day of rest	-
2		Address for Correspondence	M/s Khyber Industries Pvt Ltd
			Village Tulpow
			Tehsil – Pantha Chowk
			District- Srinagar
			Jammu & Kashmir 190001
3	(a)	Lease Number	-
	(b)	Lease Area	77.96 Hectare
	(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 Proposal	3 core boreholes were drilled in the year 2021-22	
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	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Exploration wing of Khyber cements	Khyber cements, exploration wing	
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	111-27910000 122-2060000 221-38520000 222-26160000	111-21406893 122-2060000 221-38520000 222-26160000	Units are in tones, Production depleted for the year 2018-19 to 2021-22
1f	General remarks of Inspecting officer on geology, exploration etc.	Limestone of the region is of upper Triassic formation, light grey to dark grey color 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)	proposed	Benches are prepared in OB and in mineral bench as per proposal	
2c	Stripping ratio or ore to OB ratio	1:1.0	1:1.0	
2d	Quantity of topsoil generation in m^3	Nil	Nil	No Soil generated in the reporting year as the working was in mineral bench only
2e	Quantity of overburden generation in m^3	Nil	Nil	No OB generated during the

				reporting year
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development and production was in proposed location		

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	700000	379806	
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 and when required	
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 proposed opencast mining	
3m	Total area covered under excavation /pits	23.07	19.45	
3n	Ore to OB ratio for the pit/mine during the year	1:1.0	1:1.0	
3o	Total area put in use under different heads at the end of year	26.64	21.04	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19=700000 2019-20=700000 2020-21=700000 2021-22=700000	2018-19=369045 2019-20=374914 2020-21=379342 2021-22=379806	
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	Soil & OB dump was proposed	
4b	Location of topsoil, OB & mineral reject dumps	Proposed	Within the lease area in the southern East part 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	Outside the UPL	
4e	Number of Active & Alive dumps	Proposed	1 OB & 1-Soil	
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	265 meters retaining wall and 200 m garland drain	300 m retaining wall & 250 m garland drain prepared	
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)	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	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)	0.5 hect	0.5 hect	
	iii) No. of saplings planted during the year	200	230	
	iv) Cumulative no. of plants	1200	1000	
	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 captive cement plan	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Nil	
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 dispatched to captive 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 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 used in plantation over barrier zone of 7.5 m	
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%	50%	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 Mysir Khan, Geologist- Javed Ahmed
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 & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 24.030 24.030 (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 & roads 0.000 4.120 4.120 (vi) Other Purpose () 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 3.860 3.860 13. Ownership/exploiting Agency of the mine:

			(Public Sector/Private sector/Joint Sector) Private Sector
9d	Scrutiny of Annual return on afforestation	Furnished	Furnished
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 294.66
9i	Scrutiny of Annual return on Fixed assets	Not Furnished	NIL
9k	Scrutiny of Annual return on mining Machineries	Furnished	Type and aggregate Horse Power 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. Details of any new machinery added during the year may be furnished with cost. Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) BACK HOE 1.200 CUM 3 Non Electrical Opencast ROCK DRILL (NONELEC.) 100.000 MM 1 Non Electrical Opencast AIR COMPRESSOR 12.740 CUM/MN 1 Non Electrical Opencast AIR COMPRESSOR 15.570 CUM/MN 1 Non Electrical Opencast

			AIR COMPRESSOR 13.000 CUM/MN 1 Non Electrical Opencast TIPPER 4.000 CUM 14 Non Electrical Opencast WATER TANKER 6000.000 LITRE 1 Non Electrical Opencast DOZER 324.000 HP 1 Non Electrical Opencast WHEEL LOADER 1.700 CUM 1 Non Electrical Opencast