

MCDR INSPECTION REPORT

Date of Inspection 22.12.2023

General

Sl.no	Particulars	Details
1	Name of the Mine	Tulpow Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-Forest and Forest land	77.96ha. Forest NIL Non Forest 77.96 ha.
3	Mine Code	38J&K09002
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/11786/2012
5	Name of the lessee,	M/s Khyber Industries Private Limited
	Address	Khayam Building, Novpora, Srinagar
	Phone No.	0194-2471133
	Email	info@khybercement.com,
	Fax No.	
6	Village	TulpowKhunmoh
7	Taluka/Mandal	Panthachowk
8	District	Srinagar
9	Pin code	191104
10	State	J&K
11	Post Office	Khunmoh
12	Nearest Police Station	Panthachowk
13	Nearest Railway Station	Nowgam
14	Date of Grant of Mining Lease	19.12.1983
15	Date of Execution	19.12.1983
16	Date of opening of Mine	1.10.1987
17	Date of first Renewal, if applicable and its period & expiry	144-IND of 2004 read with IND/83-MNG/82-II DATED 25.10.2004 & susequent extension for 50 yrs vide 167-IND OF 2017 DATED 30.06.2017 PERIOD 19.12.1983 TO 18.12.2033
18	Date of second Renewal, if applicable and its period & expiry	
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	
20	Name of the Nominated Owner	Sri ABDUL QUAYOOM TRAMBOO
	Address	
	Phone No.	
	Email	
	Fax No.	
	Date of appointment	15.12.2016

21	Name of the Mine Agent	
	Address	
	Phone No.	
	Email	
	Fax No.	
	Date of appointment	
22	Name of the Mines Manager	Mr .M A Khan
	Address	KHYBER INDUSTRIES PVT LTD TULPOW KHUNMOH TEHSIL PANTHACHOWK& DISTT SRINAGAR 191104
	Phone No.	
	Email	
	Fax No.	
	Date of appointment	
23	Name of the Mining Engineer,	
	Qualification and total experience	Mr .M A Khan
	Address	KHYBER INDUSTRIES PVT LTD TULPOW KHUNMOH TEHSIL PANTHACHOWK& DISTT SRINAGAR 191104
	Phone No.	
	Email	
	Fax No.	
	Date of appointment	01.04.2010
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Mr.Javeed Ahmed Ganaie MSc Geology, 15 years 01.04.2013
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any	
26	Date of Approval of Scheme of Milling/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any	614(2)/MP-B-178/2002-DDN DATED 28.01.2022
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	MECHANISED
30	Captive/Non Captive	CAPTIVE

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

SI.No	Item	Proposals	Actual work	Remarks
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1a	Backlog of previous year	NII	NIL	
1b	Exploration over lease area for Geological axis 1 or 2	NO Proposal	Present level of exploration G1-67.45 ha G3-8.51 ha.	Lessee has submitted FMCP over 16.86 hectare which was approved on 10.02.2023. 8.51 hectare of G3 area is part of to be relinquished by lessee.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2		8.51ha.	Lessee has submitted the FMCP for the area under G3 as it predominantly lies in no Mining zone.
1e	Balance reserves as on 01.04.2021	Reserves in 77.96 hectare area As on 1.12.2021 111- 26.398 million Tonne 221-121.1379 million tonne 333-21.272 million tonne	Depletion Limeston- 1.12.21-31.03.22- 0.102790 million tonnes 2022-23 : 0.379525 million tonnes Balance reserves 111 - 25.915million tonne 221-121.1379 million tonne 333-21.272 million	

			tonne	
1f	General remarks of inspecting officer on geology, exploration etc.,	Lessee has submitted the FMCP for part lease area and is being implemented.		

Development

Sl.No	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	Mining is proposed by side cutting in the hills in one pit	Is being done about the proposed location.	
2b	Separate benches in topsoil, overburdens and mineral (Rule 15)	No proposal	No top soil generation reported	
2c	Stripping ratio or ore to OB ratio	1:000	1:000	
2d	Quantity of topsoil generation in m3	No proposal	Not generated	-
2e	Quantity of overburden generation in m3	No proposal	Not generated	-
2f	General remarks of inspecting officer on Development of pit w.r.t. type of deposit etc.,		Approach road upto the top of lease has been developed. No further development was proposed.	

Exploitation

Sl.No	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One Pit	One pit is being developed from top to bottom by 8m high benches. Working is being concentrated in top benches and 3771580 to 3771660 & 497860 to 497627 (width of working is about 120 m)	
3b	Quantity of ROM mineral production proposed	2022-23 0.4 million tonne	2022-2023 0.379525 million tonne	
3c	Recovery of salable/usable mineral from ROM production	100 %	Entire mineral is fed to the cement plant.	

3d	Quantity of mineral reject generation	No proposal	NIL	
3e	Grade of mineral reject generation and threshold value declared	NA	N.A	
3f	Quantity of sub-grade" mineral generation	No proposal	NIL	
3g	Grade of sub-grade mineral generation	NA	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	drilling & blasting proposed.	DTH wagon drills of 100mm hole dia with three air compressors are deployed for drilling. Slurry explosive in cartridge form (83 mm dia) is being used for blasting purpose	
3k	Provision of mining machineries in mineral benches	Mining machinery was proposed for the mining operation.	small backhoe excavators - 03 units (166 hp) of 1,2 CuM Bucket Capacity (Kobelco SK 210) and rock breaker (140 hp)	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	No new excavation site proposed as such total area proposed under excavation was 24.03 hectare	About 24.03 ha. Is under excavation	
3n	Ore to OB ratio for the pit/mine during the year(B C Soil)	1:000	No OB is generated, as proposed.	
3o	Total area put in use under different heads at the end of year		Pit- about 24.03 ha. Roads - 4.12 ha. Infrastructure 0.2 ha.	

3p	Production of ROM mineral during last Six years period, as applicable	2018-19 700000 Tonne 2019-20 700000 Tonne 2020-21 700000 Tonne 2021-22 700000 Tonne 2022-23 400005 Tonne	2018-19 369045 Tonne 2019-20 374914 Tonne 2020-21 379342 Tonne 2021-22 379806 Tonne 2022-23 379525 Tonne	
3q	General remarks of inspecting officer on method of mining etc.	How much mineral has been produced from the area proposed to be relinquished need to be assessed separately.		-

Solid Waste Management - Dumping

SI.No	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	Not applicable	-
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Not applicable	-
4c	Number of dumps within lease area and outside lease area	No proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NIL	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there		Though there is no dump but Retaining wall has been prepared near the magazine to retain the rolling stone from the high slope of the hill.	
4i	Length of Retaining wall or garland drain all along dump	Not applicable	Not applicable	
4j	Number of settling ponds	Recharge holes proposed at check dams	The site is provided with recharge hole	
4k	Specific comments of inspecting officer on waste dump management	NA	NA	-

Solid Waste Management - Backfilling

SI.No	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Not Applicable	-
Sb	Area under backfilling of mined out area	Not proposed	Not Applicable	-
Sc	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not Applicable	-
5d	Total area fully reclaimed & rehabilitated	4.43 hectare proposed for rehabilitation as per FMCP	It has to be verified as per the FMCP proposals. However lessee has undertaken plantation in the proposed area.	FMCP has been approved over 16.86 ha. .Modification of mining plan has not been done.
Se	General remarks of inspecting officer on backfilling, reclamation etc			

Progressive Mine Closure Plan

SI.No	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.	-	Submitted	-
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No, of saplings planted during the year iv)Cumulative no.of plants v) Any other specific method of rehabilitation vi)Cost incurred on watch & care during the year	200 saplings over 0.5 hectare area	1200 sapling over 0.5hectare area in 2022-23	Cumulative plantation is reported to be 5820 saplings over 4.7 hectare area
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailing iii) Afforestation on the backfilled area iv)Rehabilitation by making water reservoir v) Any other specific means	Not Applicable	Not Applicable	
6d	Compliance of Rehabilitation of waste land		Lessee has	

	within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of of rehabilitation		undertaken plantation in current year under FMCP.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Undertaken	All the reports are under permissible limit.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	-	8260 saplings surviving reportedly as on date in Tulpow	-

Mineral Conservation

Sl.No	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	400005 T	379525 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal	NIL	
7c	Different grade of mineral sorted out at mines	--	Cement	
7d	Any beneficiation process at mines	--	No beneficiation is done in lease area	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	--	The benches are advanced across the strike, so that inferior grade LST band is also mined and simultaneously blended.	

Environment

Sl.No	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not applicable	No topsoil generated	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock rejects and fines (Rule 33)	Not applicable	Not applicable	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	4.43 hectare proposed for rehabilitation as per FMCP	Work has not completed .	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)		Cumulative 8260 saplings are reported to be surviving as on date in Tulpow.	
8g	Survival rate		About 70% survival reported	
8h	Water sprinkling on roads to control airborne dust	Proposed	Undertaken by 6 KL tankers	
8j	General remarks of inspecting officer on aesthetic beauty in and around mines area	Except for the degradation of the land , the general aesthetic is satisfactory.		

Compliance of Rule 45

SI.No	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R Submitted up to Dec2023 A.R. Submitted up to 2022-23		
	Item	Details Given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Min Eng- Sh M A Khan Geol- ShJaveed Ahmed Ganaei	Both mining engineer and geologist have been appointed but the Mining Engineer has changed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc		Found to be broadly as per submission	
9d	Scrutiny of Annual return on afforestation		Found to be broadly as per submission	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil generation reported	NIL observed.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Found to be as per submission	
9g	Scrutiny of Annual return on sale value,		Production cost	

	Ex.Mine price & production cost		reported as Rs 305.26/- PMT	
9h	Scrutiny of Annual return on fixed assets		No new asset has been added	
9i	Scrutiny of Annual return on mining machineries		As per submission in returns.	

(Manish K Maindiratta)
Regional Controller of Mines