

MCDR INSPECTION REPORT (Date of insp'n- 28/10/2023)

Sl. no	Particulars	Details
1	Name of the Mine	Manal Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	172.30 Ha. forest land i-172.30 Ha
3	Mine code	38HPR10018
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5210/2011
5	Name of the lessee, Address, phone, email, and fax number	Shri Pradeep Kumar Chand (nominated owner) Cement Corporation Of India Limited, Core 5, Scope Complex, 7 Lodhi Road, New Delhi , 110003
6	Village	Kando Nadi
7	Taluk/Mandal	Paonta Sahib
8	District	Sirmour District
9	Pin code	173029
10	State	Himachal Pradesh
11	Post office	Sataun
12	Nearest police station	Rajban
13	Nearest Railway station	Dehradun
14	Date of Grant of Mining Lease	03.08.1973
15	Date of Execution	31.10.1973
16	Date of opening of Mine	01.10.1976
17	Date of first Renewal, if applicable and its period & expiry	03.08.1993. It is reported that The lease is being worked under rule 72(4) of MCR2016 .
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 with address, phone ,email, fax number and date of appointment	Shri Pradeep Kumar Chand CEMENT CORPORATION OF INDIA LIMITED, CORE 5, SCOPE COMPLEX, 7 LODHI ROAD, NEW DELHI , 110003
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri J.Behera ,General Rajban Cement Factory,Sirmour (HP) Mobile-7827989561 Email-jogeswar.b@ccilttd.in
22	Name of the mines Manager with Address, phone, email, fax number and date of	Shri Pankaj Kumar Sinha Rajban Cement Factory, Sirmour (HP)

	appointment in mines	173028 Mobile- 7827989572 Email - minemanagercci@gmail.com
23	Name of the Mining Engineer , Qualification and total experience with Address, phone, email, fax number and date of appointment in Mine	Shri Kumbha Ram BE Mining Date of appointment 10.10.2016 Mobile no: 8753904575
24	Whether Geologist and Mining Engineer appointed In mines satisfy the rule 42&carrying out their duties as per rule 43 &44	Yes Sh Manish Shukla MSc Geology, Date of appointment- July 2013
25	Date of approval of Mining plan / Modified Mining Plan with five year period and specific condition In approval letter, if any.	11.07.18 &614(2)MS-A-182/09-DDN
26	Date of Approval of Scheme of Mining with five year period and specific condition In approval letter, if any.	MCDR-MPCP0CaFI/3/20023-DDN- IBM_RO_DDN dated 31.05.2023
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)	Fully Mechanized
30	Captive/Non captive	Captive

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

EXPLORATION

S. N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	12 boreholes	06 Boreholes	The pending boreholes are in forest land for which forest land has not been diverted.
1b	Exploration over lease area for Geological axis 1 or 2		G1 - 55ha, G2 - 6.63 ha, G3 - 0.00 ha., G4 - 0.00 ha.	

			To be explored 110.67 ha.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year		Geo Globe Consultants	11.30 Lakhs as reported
1d	Balance area to be explored to bring Geological axis in 1 or 2		Lessee has got the forest clearance over 55 hectare only.	To be explored 110.67 ha.
1e	Balance reserves as on 01.04.2023	As on 1/4/2022 Reserves- 87.87mT Remaining Resource: 87.07mT	Excavation from 1/4/ 22 to 31/3/23- 192,557 T (0.19mT) Bal res- 87.07mT	
1f	General Remarks of inspecting officer on geology, exploration etc.			

DEVELOPMENT

S. N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (2023-24)	383700- 338400N 749700- 750300E	Within the proposed location	
2b	Separate benches in topsoil, overburden and minerals	Not applicable	Separate benches are there. The OB benches have been afforested. The working benches are in limestone.	
2c	Stripping ratio or ore to OB ratio	NA	NA	
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 on development of pit w.r.t. type of deposit			

EXPLOITATION

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production	2022-23=249922T	2022-23=192557 T	
3c	Recovery of saleable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub grade mineral generation	NIL	NIL	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / mechanized 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	100 mm dia drill machine is proposed with slurry explosive	100 mm dia drill machine is used, slurry explosive (packed) is used as column charge with detonating fuse .	
3k	Provision of mining machinery in mineral benches	One Hydraulic Excavator with 5 Nos tippers for loading and transportation of limestone ROM upto	One Hydraulic Excavator with 5 Nos tippers are used for loading and transportatio	As informed, Hired machineries are used except for drilling machine and dozer.

		Crusher(situated just outside the lease.	n of limestone ROM upto Crusher(situated just outside the lease . Thereafter the ropeway is used for transportation upto cement plant.	
3l	Whether height in overburden and mineral suitable for method of mining proposed in MP/SOM	The bench height is suitable for the excavator being used.	Appx 6 m benches being maintained.	
3m	Total area covered under excavation / pits in Ha		About 14.7 ha. till 31.03.2023	
3n	Ore to OB ratio for the pit / mine during the year	NA	NA	
3o	Total area put in use under different heads at end of year		About 17 ha. till 31.03.2023	
3p	Production of ROM mineral during last five year period, as applicable	2018-19 = 349922T 2019-20= 349970 T 2020-21= 349989 T 2021-22= 349848 T 2022-23= 349961 T	2018-19= 176559.39 T 2019-20= 197110 T 2020-21= 68365 T 2021-22= 214919 T 2022-23= 192557 T	Env Clearance = 3.5 lac tones per annum
3q	General remarks of inspecting officer on method of mining etc.			

SOLID WASTE MANAGEMENT - DUMPING

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil. OB & mineral reject (Rule 32, 33)	Yes	Yes	Top soil is being used for plantation
4b	Location of topsoil, OB & mineral reject dumps		Top soil generated has been used for plantation.	
4c	Number of dumps with in lease area and outside lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	
4e	Number of active and alive dumps	NIL	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilized	NIL	NIL	
4h	Whether retaining wall or garland drain all along the dump		Retaining wall has been built along the haul road towards the elevated end.	
4i	Length of retaining wall or garland drain all along dump		About 110m	
4j	Number of settling ponds		One tank is there to arrest the run off water from the hill and is used as a settling tank. This water is used for mining purposes..	
4k	Specific comments of inspecting officer on waste dump management.			

SOLID WASTE MANAGEMENT - BACKFILLING

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out areas before backfilling	No proposal for backfilling	Not done .	

5b	Area under backfilling of mined out area	No proposal	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation or rehabilitation of mined out area (Rule 32)	Proposed	Stacked and Used as and when generated.	
5d	Total area fully reclaimed & rehabilitated		Top benches have already been afforested.	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

PROGRESSIVE MINE CLOSURE PLAN

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly – Rule 26(2) Details should be given in the format as given in Annexure – 20	To be submitted as per rule	submitted	
6b	Management of worked / mined out benches <ul style="list-style-type: none"> • Area available for rehabilitation (ha) • Afforestation done (ha) • No. of sapling planted during the year • Cumulative no. of plants • Any other specific method of rehabilitation • Cost incurred on watch & care during the year 	No proposal	The mine is being worked and the pit is extending. However the top benches on the top of hill have been afforested.	
6c	Compliance on reclamation and rehabilitation by back filling <ul style="list-style-type: none"> i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means 	No proposal	Not done	

6d	Compliance of Rehabilitation of waste land within lease i)Afforestation ii)Area rehabilitated(ha)	500 saplings	About 650 saplings have been planted within and outside mining lease	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	As proposed	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			Backlog of plantation of 2022-23 is taken up in 23-24.

MINERAL CONSERVATION

S. N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade - wise sorting within lease area	2022-23=349961T	2022-23=192557 T In 2023-24 so far = 50004.475 T	Entire mineral produced is dispatched
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	NA	
7c	Different grade of mineral sorted out at mines	No sorting proposed	Entire mineral produced is used as cement grade material.	
7d	Any beneficiation process at mines	No proposal	NIL	
7e	General remarks of inspecting officer on Mineral conservation issues			

ENVIRONMENT

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Generated & utilised	
8b	Concurrent use or storage of topsoil	Proposed	Undertaken	
8c	Separate dumps for over burden. Waste rock, rejects and fines (Rule 33)	No proposal	NIL	

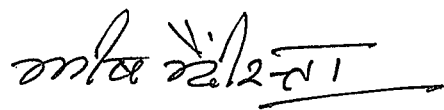
8d	Use of over burden, waste rock, rejects and fines dumps for restoring the land its original use.	No proposal	Not done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pit, dumps etc)	No proposal	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	2022-23=500 saplings proposed	2022-23 - 650 saplings planted both within ML and outside ML	Balance plantation within mining lease for 2022-23 has been done in 2023-24
8g	Survival rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkler proposed to arrest the dust	Water sprinkler has been provided to arrest the dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Mine in general is maintained properly.		

COMPLIANCE OF RULE 45

S. N	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to A.R. Submitted up to	Up to Sept 2023 Up to 2022-23

S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Found as reported	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Broadly as per submission	
9d	Scrutiny of Annual return afforestation	650 saplings reported.	Plantation has been done.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes	Nil reported as observed	
9f	Scrutiny of Annual return on ROM stock and /or grade ore	Prod 2022-23= 192557 T	As per submission	Material is stacked at

		reported c/b -20000T		scattered places along the benches
9g	Scrutiny of Annual return on sale value , Ex. Mine price & production cost	Yes	Ex mine price is Rs 178.87 PMT	
9i	Scrutiny of annual return on fixed assets		Submitted in return and no new addition reported	
9k	Scrutiny of Annual return on mining machineries	m/c information furnished	As per submission	



मनीष क मैदीरत्ता / Manish K Maindiratta
क्षेत्रीय खान नियंत्रक /Regional Controller of Mines