

**MCDR INSPECTION REPORT (Date of insp'n- 19/7/2024)**

<b>Sl. no</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Manal Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	172.30 Ha. No forest land in lease area.
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
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 appointment in mines	Shri Pankaj Kumar Sinha Rajban Cement Factory, Sirmour (HP) 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.	07.03.2014 ; 614(2)MP A-199/2004-DDN
26	Date of Approval of Scheme of Mining with five year period and specific condition In approval letter, if any.	31.05.2023 for the period 2023-24 to 2027-28. The lease falls under rule 72(4) of Mineral Concession Rule 2016 at present. The proposal contained in this document is subject to the validity of the lease, and the Forest, Environment Clearance as per law and does not absolve the lessee from the provisions of closure of the mining lease and its responsibility towards protective, reclamation and rehabilitation measures in the leased area of the mining lease.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or	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	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2		As per last approved Review of Mining Plan and taking cognizance of bore holes drilled in	110.67 hectare is still unexplored.

			2022-23, the geological level of exploration is as under: G1 – 55 ha., G2 – 6.63 ha,	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	---	----	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal , as area to be explored, falls under forest for which required clearance is not obtained.	110.67 hectare is still unexplored.	
1e	Balance reserves as on 01.04.2024	As on 30/9/2022 111/121/12 2= 44.216 million tones  Remaining resource=43.808 million tones  Total resource=88.07 million tones	Depletion: ROM Prod from 30/9/2022 to 31/3/2023- 101935 T  1/4/23 to 1/4/24- 50004T  111/121/12 2= 44.216- 0.15=44.066 million tonnes  Remaining resource=43.808 million tones	
1f	General Remarks of inspecting officer on geology, exploration etc.			

#### DEVELOPMENT

S. N.	Item	Proposals	Actual work	Remarks
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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	All the benches are in minerals.	
2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in M <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in M <sup>3</sup>	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	350000 T	50004.475 T (2023-24)	
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	115mm drill machine is used, slurry explosive (packed) is used as	

			column charge with detonating fuse .	
3k	Provision of mining machinery in mineral benches	Excavator (1.5 cu m bucket capacity) - Tipper (20T) combination proposed	Excavator (1.5 cu m bucket capacity) - Tipper (10 T) being used upto Crusher( situated just outside the lease . Thereafter the ropeway is used for transportation upto cement plant.	As informed, Hired machineries are used except for drilling machine and dozer.
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.	However during the inspections benches were found to be collapsed due to rains at places, which were to be restored.
3m	Total area covered under excavation / pits in Ha		About 14.7 ha.	
3n	Ore to OB ratio for the pit / mine during the year	NA	NA	Mining was proposed in the mineralised zone only
3o	Total area put in use under different heads at end of year		About 17 ha.	
3p	Production of ROM mineral during last five year period, as applicable	2019-20= 349970 T 2020-21= 349989 T 2021-22= 349848 T 2022-23= 349961 T 2023-24= 350000 T	2019-20= 197110 T 2020-21= 68365 T 2021-22= 214919 T 2022-23= 192557 T 2023-24= 50004 T	Env Clearance = 3.5 lac tones per annum

3q	General remarks of inspecting officer on method of mining etc.			
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### SOLID WASTE MANAGEMENT - DUMPING

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil. OB & mineral reject (Rule 32, 33)	No topsoil. OB & mineral reject	Incidental top soil generation, if any, is used for plantation	Top soil is being used for plantation
4b	Location of topsoil, OB & mineral reject dumps		Top soil generated has been used for plantation. It is found stacked in the park near view point.	
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 . mine	
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 i) Area available for rehabilitation(ha) ii) Afforestation done (ha) iii) No. of sapling 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	No proposal	Not done	However the shale benches during the past mining are already vegetated.

6c	Compliance on reclamation and rehabilitation by back filling 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	Plantation of 200 saplings over about about 5 ha. in ML in 2023-24	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	As proposed	
6f	General remarks of inspecting officer on PMCP compliance& progressive closure operations	Proposed	Retaining wall and fencing has not been made as per proposal	

### MINERAL CONSERVATION

S. N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade – wise sorting within lease area	2023-24=350000T	There has been an error in reporting of o/b ROM, production ROM and C/B ROM given in the returns.	It has been observed that physically there is no limestone stock within the mining lease.
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 (Rule32)	No proposal	No generation reported	
8b	Concurrent use or storage of topsoil	No proposal	No generation reported	
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)	As per last information furnished by lessee in the RMP 5000 plants over 1.8 ha reported. 500 saplings have been proposed in 2023-24	500 saplings planted 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 July 2024 Up to 2023-24

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		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	The figures submitted in AR are not in consonance with it's submission in Mining Plan.	Item 12 of ARs shows the surface area utilization at the end of year whereas the lessee is not submitting it accordingly.
9d	Scrutiny of Annual return afforestation	700 saplings planted	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	OB 13238 T Prod 61544 T c/bal 74783.970 T	Prod- 50004.475 T c/bal of ROM is Nil in the mines	
9g	Scrutiny of Annual return on sale value , Ex. Mine price & production cost	Cost of production is reported as 247.41 Rs PMT.  EMP has been reported as 153.12 Rs PMT	Since the sale has not occurred in the instance, EMP should be same as ASP published by IBM as per rule 45(7A) of MCDR.	
9i	Scrutiny of annual return on fixed assets	Reported	No specific comment.	
9k	Scrutiny of Annual return on mining	m/c	No specific	

	machineries	information furnished	comment.	
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मनीष क मेंदीरत्ता / Manish K Maindiratta  
क्षेत्रीय खान नियंत्रक /Regional Controller of Mines