

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	Shree Rajesh Kumar Das (Sr. Asst. Controller of Mines)
1a	Accompanying officer & File No.	Shri Mukesh Kumar Thawait, Mine Manager & CHG/BBR/LST/38CHG1904
2	Date of inspection	29.07.2019
3	Name of the Mine	Guma Limestone Mines
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	157.122 hect. Non- forest
5	Mine code	38CHG19004
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/441/2011
7	Name of the lessee, Address, phone, email and fax number	M/S Ultratech Cement Limited, Ahura Centre, B Wing, 2nd floor, Mahakali Caves Road Andheri (E) Mumbai 400093. Fax No - 02266928109 Phone No- 02266917800 Email - ajit.ostwal@adityabirla.com
8	Village	Guma
8	Taluka/Mandal /District	Palari
10	State	Chhattisgarh
11	Post office & PIN	Guma, 493196
12	Nearest police station	Suhela
13	Nearest Railway station	Bhatapara
14	Date of Grant of Mining Lease	27.12.2016
15	Date of Execution	07.01.2017
16	Date of opening of Mine	01.11.2018
17	Date of first Renewal, if applicable and its period & expiry	Lease Expiry date 06.01.2067
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment.	Mr. K.C. Jhanwar Ahura Centre, B Wing, 2nd floor, Mahakali Caves Road Andheri (E) Mumbai 400093. Mobile- 9702474200 ajit.ostwal@adityabirla.com DOA: 22.10.2018
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri K. C. Jain M/S Ultratech Cement Limited, Unit : Rawan Cement Works

		Address- Village Rawan, Post office: Grasim Vihar, distt. Baloda Bazar –Bhatapara (C.G.) 493196 Phone No- 07726288208 Fax - 07726-281572 Kushal.jain@adityabirla.com DOA:28.11.2017
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Mukesh Kumar Thawait BE (Mining) Address- Village Rawan, Post office: Grasim Vihar, distt. Baloda Bazar –Bhatapara (C.G.) 493196 Phone No- 07726288208 Email- mukesh.thawait@adityabirla.com Fax- 07726 – 88215 Date of appointment- 11.03.2017
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Mukesh Kumar Thawait BE (Mining) Address- Village Rawan, Post office: Grasim Vihar, distt. Baloda Bazar –Bhatapara (C.G.) 493196 Phone No- 07726288208 Email- Mukesh.thawait@adityabirla.com Fax- 07726 – 88215 Date of appointment- 05.11.18
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Avijit Maji M.Sc. (Geology) Date of appointment- 05.11.2018
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Date of Approval of Mining Plan 14.02.2011
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
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 mechanised
30	Captive/Non Captive	Captive mine

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.

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Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	G1(76)	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Central drilling Associate expenditure - Rs. 2843149/-	3563.5 Mtr (analysis of core is under progress)
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserves as on 01.04.2019 (Million.Ton)	62.11	62.16 (111)	(analysis of core is under progress)
1f	General remarks of inspecting officer on geology, exploration etc.	The lease area is broadly explored in 300X300m grid and regional geology is flat deposit and general slop of deposit is northeast.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N2387490 to N 23870888 E 609879 to E 610656 264 RL to 248 RL	N2387537 to N2387808 E610010 to E610343 264 RL to 259 RL	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches in topsoil, overburden and mineral	Complied	
2c	Stripping ratio or ore to OB ratio (MT)	1:0.20	NA	Stripping ratio NA due to production is NIL(New Mine)
2d	Quantity of topsoil generation in MT	184000m3	79191m3 (142544 MT)	
2e	Quantity of overburden generation in MT	300000	193520	As per Actual FY 2018-19
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	In 2018-19 the mine started operation and only development of top soil and OB reported.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	3000000 MT	Nil	
3c	Recovery of salable/usable mineral from ROM production		NA	
3d	Quantity of mineral reject generation	240000	NIL	Due to Crusher installation in progress
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 / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
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	Complied	
3k	Provision of mining machineries in mineral benches.	Shovel,Dumper	Complied	
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 (Hec.)	20.40 ha	7.02 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.20	NA	Nil Production(New Mine)
3o	Total area put in use under different heads at the end of year	39.07 Ha.	11.64 Ha.	New Mines open on 01.11.2018
3p	Production of ROM mineral during last five-year period, as applicable (in MT)	2016-17- 1000000 MT 2017-18- 2000000 MT	NIL NIL	New Mines open on 01.11.2018

		2018-19- 3000000 MT	NIL	
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is by opencast using shovel-Dumper combination. During 2018-19 only development started.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping of topsoil-along the lease boundary. Separate dump for OB & mineral reject Proposed.	Separate dumping of topsoil done along the lease boundary. OB used for mine development (Road). Mineral Reject generation -NIL	
4b	Location of topsoil, OB & mineral reject dumps	Top soil Dump- Not Proposed. Dump (O.B.)N 2386826 to 2386600 E610397 to 610737 Reject Dump1 - N 2388068 to 2387871 E 609732 to 609919 Reject Dump 2 - N 2387649 to 2387361 E 609519to 609798	Top soil- Stacked at N – 2387816 to 2387577 E – 610863 to 610417	Reject generation / crushing not started , OB used for road
4c	Number of dumps within lease area and outside lease area	03 nos. within lease area	01 within lease area. (top soil)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Covered in 4b (Marked as temporary Dump)	Covered in 4b(Present Top Soil Dump/Stack shall be used for plantation)	
4e	Number of active & alive dumps	03	01	
4f	Number of dead dumps	0	0	
4g	Number of dumps stabilized	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain provided	Garland drain provided	
4i	Length of Retaining wall or garland drain all along dump	2568 Mtr Garland drain	Length of garland drain all along dump is 207mtr.	Presently there is only one top soil stack
4j	Number of settling ponds	03 (One for each Dump)	01	
4k	Specific comments of inspecting officer on waste	The top soil and OB generated and mostly top soil is dump in 7.5 metersafety barrier zone. The mine is new		

	dump management	therefore dump size is small and active dump.
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5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL (for first Five year)	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL (Top soil used for plantation at lease boundary and remaining is being stack)	
5d	Total area fully reclaimed & rehabilitated	Nil	NIL	New Mines open on 01.11.2018
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Area not matured for backfilling.		

6.0 Progressive Mine Closure Plan

SN	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.	Yes	Yes	
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	NIL	NIL	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the	Nil Nil Nil	Nil Nil Nil	

	backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease . i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	5000 Nos./2 Hec. Plantation at lease boundary	Nil	New Mines open on 01.11.2018
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Enclosed.	Enclosed.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The mine is new and PMCP broadly complied.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Mineral used for captive use	Dispatch not started due to production is nil till 31.03.19.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical (Crusher and screening installation under progress)	
7c	Different grade of mineral sorted out at mines	Based on software different grade material has been marked in slice plan.	Based on software & blast hole sampling result different grade material has been marked at site/map/blend plan.	
7d	Any beneficiation process at mines	As such, limestone beneficiation is not required except for screening the clayey-soil in the top bench	Crusher and screening installation under progress	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	As mentioned mine is new and no production in 2018-19 therefore no scope of mineral conservation.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Separate removal and utilization of	

			topsoil is being done	
8b	Concurrent use or storage of topsoil	Storage not proposed.	concurrent utilization & remaining topsoil is being stored/dumped	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Planned	Top soil stack separately and OB used for mine development (Road etc.)	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	Afforestation done in vergin area as mentioned above	
8g	Survival rate	Not mentioned	80%	
8h	Water sprinkling on roads to control airborne dust	12 KL Water tanker	Complied	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The is still not started production and dispatch and only top soil & OB removed in 2018-19 therefore no such adverse impact due to mining activity.		

9.0 Compliance of Rule 45

SN	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns Submitted upto – June 19 Annual returns submitted upto- 2018-19	

SN	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 Given	Mining Engineer & Manager- Shri Mukesh Kumar Thawait & Geologist-Shri Avijit Maji	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Area for O/C working- 7.02 ha., Waste dump- 3.09 ha., Infrastructure- 1.53 ha.	
9d	Scrutiny of Annual return on afforestation	Nil		

9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		
9i	Scrutiny of Annual return on fixed assets	Rs613615905/-	Mostly of land	
9k	Scrutiny of Annual return on mining machineries.	Yes given	Shovel, Dozer & Dumper	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- No earlier MCDR inspection done for this mine. During the present inspection following violation pointed out:

Rule	Nature of Violation observed
11(1)	Mining operations should have been undertaken in accordance with the approved Mining Plan. The Mining Plan was approved vide letter no. 314(3)/2010 dated 14.02.2011 and following deviation was observed during inspection In Mining Plan it was proposed to produce 2.76 million tons of Limestone in 2018-19 but against that Nil production is reported.. There is no proposal of stacking limestone in lease area but during mine visit it was observed that more than 1.2 lakh tons of limestone is stacked in ML area.
37(1)	The existing protective measures taken around waste dump are insufficient and it has been found that the waste material was escaping and washing away from the dumps and was contaminating the nearby area and extending outside lease boundary and no retaining wall constructed. A proper protective measure should be taken to prevent the escape of the material from the existing waste dumps.
45(5) (b)(i)	The holder of a mining lease shall submit online returns in respect of each mine to the Regional Controller or any other authorised official of the Indian Bureau of Mines in the following manner, namely:- a monthly return which shall be submitted before the tenth day of every month in respect of the preceding month in electronic form along with a signed print copy of the same if it is not digitally signed, (i) in Form F1 of the Schedule but the lessee has not submitted returns till date.
45(5) (c)(i)	The holder of a mining lease shall submit online returns in respect of each mine to the Regional Controller or any other authorised official of the Indian Bureau of Mines in the following manner, namely:- an annual return which shall be submitted before the 1st day of July each year for the preceding financial year in electronic form, along with a signed print copy of the same if it is not digitally signed, in the respective Form (i) in Form G1 of the Schedule; but the lessee not submitted till date.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)