

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine, Inspecting official from IBM & Date of Inspection	Shree Limestone Mine, Shri Rajesh Kumar Das,Sr.ACOM & Shri R.N.Mishra,SMG,Date of Inspection- 02.08.2017
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non forest -531.126 Hect Forest -0.0Ha
3	Mine code	38CHG14027
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/960/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Shree Cement ltd POST BOX NO. 33, BANGUR NAGAR, BEAWAR, (Raj)
6	Village	SEMRADIH- BHARUWADIH
7	Taluka/Mandal	Baloda Bazar
8	District	Baloda Bazar
9	Pincode	493332
10	State	CG
11	Post office	Baloda Bazar
12	Nearest police station	Suhela
13	Nearest Railway station	Bhatapara
14	Date of Grant of Mining Lease	9 th July 2010
15	Date of Execution	11/01/2011
16	Date of opening of Mine	17/12/2012
17	Date of first Renewal, if applicable and its period & expiry	NA
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	Shri Ramakant Sharma M/s. SHREE CEMENT LIMITED POST BOX NO. 33, BANGUR NAGAR, BEAWAR, (Raj)
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri M K Garg M/s. SHREE CEMENT LIMITED POST BOX NO. 33, BANGUR NAGAR, BEAWAR, (Raj) gargmk@shreecementltd.com Mob no. 9214337754

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri K C Sharma M/s Shree Cement ltd Village – Semradih Tehsil – Baloda Bazar Dist. Baloda Bazar CG 493332. Phone no. -8349301296 sharmakrishnachandra@shreecementltd.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Madhab Sumohan M/s Shree Cement ltd Village – Semradih Tehsil – Baloda Bazar Dist. Baloda Bazar CG 493332. Phone no. -8349301298 sumohanm@shreecementltd.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	13.07.16 (modified mining Plan) up to 31 st March 2020
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(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully 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

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	NA	NA	Whole ML area has been explored on G1 level
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserves as on 01.04.2015	NA	NA	
1f	General remarks of inspecting officer on geology, exploration etc.			The exploration done almost entire lease area in 150m grid.

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Block no3	Broadly as per proposal	Less area excavate as compared to proposed area.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches in topsoil, overburden and mineral has been formed (Rule 15) OB bench-12M	Separate benches in topsoil, overburden and mineral has been formed (Rule 15) OB bench-7M	
2c	Stripping ratio or ore to OB ratio	1:0.59	1:0.38	
2d	Quantity of topsoil generation in m ³	310000 m ³	306960 m ³	
2e	Quantity of overburden generation in m ³	940000	1138976	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			The pit excavated in systematic manner by removing top soil, OB and then mineral.

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2	2	Mostly the work is done in single pit.
3b	Quantity of ROM mineral production proposed	3093333T	2993943T	
3c	Recovery of salable/usable 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	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
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	Yes	yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in	YES Max -ht – 12M OB -12M	YES Max -ht – 12M OB – 7M	

	MP/SOM			
3m	Total area covered under excavation/pits	63 hact	28 hact	
3n	Ore to OB ratio for the pit/mine during the year	1:0.59	1:0.38	
3o	Total area put in use under different heads at the end of year	109	41.3	
3p	Production of ROM mineral during last five-year period, as applicable	5493333	4973002	
3q	General remarks of inspecting officer on method of mining etc.			The method of mining is by opencast mining with HEMM and bench height varies from 5-10m

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of l, OB & mineral reject (Rule 32, 33)	S1.5-S19.5 & W 24-W4.5	S 4.5-S 15 & W 19.5-W31.5	
4b	Location of topsoil,	7.5M along lease boundary	7.5M along lease boundary	
4c	Number of dumps within lease area and outside lease area	2 nos within ML & it is active	Many small dumps within ML & it is active	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps which are inside UPL are temporary in nature	Dumps which are inside UPL are temporary in nature	
4e	Number of active & alive dumps	2 nos	2 nos	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Where ever required	garland drain provided where ever required	
4i	Length of Retaining wall or garland drain all along dump	700m	700m	
4j	Number of settling ponds	1nos	1 nos	
4k	Specific comments of inspecting officer on waste dump management			There are many small dumps of top soil and OB and it is not as per proposal . The dumps are are many place in 7.5 m safety barrier zone. In addition mineral(limestone also stack in two area which is also not as per proposal.

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	No proposal in 2016-17	Nil	

	starting backfilling			
5b	Area under backfilling of mined out area	NA		There is no proposal of back filling in last 2 year as per approved mine plan
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes	Top soil used for plantation and separately stacked also	
5d	Total area fully reclaimed & rehabilitated	NA	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			The mining started in 2015 and still no area matured for back filling.

Progressive Mine Closure 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.	Annual report on PMCP submitted on time and correctly - Rule 23E(2)	Annual report on PMCP submitted on time and correctly - Rule 23E(2)	
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	NA	NA	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L * B * D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NA	Na	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	8 hect Green belt	@1200plants/hect 14.3 Hect Green belt	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	2nos of AQMS in core Zone, 2 nos AQMS in buffer zone	2nos of AQMS in core Zone, 2 nos AQMS in buffer zone	
6f	General remarks of inspecting			Broadly as per

	officer on PMCP compliance & progressive closure operations			proposal.
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Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	3093333T	2993943T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			The ROM directly feed into crusher and no sub grade mineral generated.

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of top soil	Separate removal of top soil	
8b	Concurrent use or storage of topsoil	storage of topsoil	storage of topsoil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden, waste rock, rejects	There is no reject at present and OB is dump separately.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	In future OB will be backfilled	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Existing plantation 10000 nos Additional plantation 9600nos	Additional plantation 12000nos	
8g	Survival rate	90	90	90
8h	Water sprinkling on roads to control airborne dust	Water sprinkler provided to control airborne dust	Water sprinkler provided to control airborne dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			As mentioned regular water sprinkling is done on haul road,afforestation done and no adverse impact observed.

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns			
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	Information given		Mining Engineer- Shri madhav Sumohan

				Geologist-Shri P Mishra & Manager Shri K.C.Sharma
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under pits-28 ha.,waste disposa-6.5 ha.,top soil & afforestation-14 ha. & for infrastructure-3.5 ha.		
9d	Scrutiny of Annual return on afforestation	9500 nos saplings planted		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		No reject generation
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	Ex. Mine price & Cost of production-285.45 Rs		
9i	Scrutiny of Annual return on fixed assets	Rs 1852260000/-		
9k	Scrutiny of Annual return on mining machineries	3 nos backhoe of 6.0 cu.m capacity,Dumper 55 ton capacity 12 nos,dril m/c 165mm 2nos,crusher 1400 tph		

Details of violations observed during current inspection and compliance position of earlier violation pointed out:- Violation under Rule 11(2) & 45(5)(b) of MCDR,2017 pointed out.

**(Name of inspecting officer with designation and date)
Shri Rajesh Kumar Das,Sr.ACOM & Shri R.N.Mishra,SMG**