

MCDR INSPECTION REPORT
Chilhati Limestone Mine-582.962HA
FOR THE YEAR (2018-19)
Inspection done by Mr.R.K.Das,
Sr. Asst. Controller of Mines, IBM, Raipur

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Chilhati Limestone Mine
2	Name of inspecting office & designation	Shri R K Das, Sr ACOM Indian Bureau of Mines
3	Date of inspection	10.01.2019
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	582.962 (Ha) Breakup:- Private: 505.167 Govt land: 77.795
5	Mine code	38CHG02001
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/256/2011
7	Name of the lessee, Address, phone, email and fax number	ACC LIMITED JAMUL CEMENT WORKS DIST. DURG, BHILAI-490024 Phone. No-07882285081 Fax.No-07882282585 Email- pinaki.pandey@acclimited.com
8	Village	Bidiyadh, Bhurkunda, Godadh and Bohardih
9	Taluka/Mandal/ District	Masturi/Bilaspur
10	State	Chhattisgarh
11	Post office & Pin code	Masturi & 495001
12	Nearest police station	Masturi
13	Nearest Railway station	Bilaspur
14	Date of Grant of Mining Lease	10-08-2009
15	Date of Execution	21-10-2009
16	Date of opening of Mine	Mine is not operational due to lack of EC
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. Neeraj Akhoury CEMENT HOUSE,121,MAHARSHI KARVE ROAD MUMBAI
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. Vaibhav Dixit M/s ACC LIMITED JAMUL CEMENT WORKS Email id: vaibhav.dixit@acclimited.com Phone. No-7781019970 Fax. No-
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	BLS/LST/MPLN-1010/NGP dated 11.04.2016 under Rule 22 of MCDR 1960.
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 Mining
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. –

Exploration:

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	63 Boreholes	NIL	Mine Not operational due to Lack of EC
1b	Exploration over lease area for Geological axis 1 or 2.	G1-NIL G2-338.512HA G3-244.45HA	NIL	Mine Not operational due to Lack of EC
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No exploratory activity conducted due to lack of EC		Mine Not operational due to Lack of EC

1d	Balance area to be explored to bring Geological axis in 1 or 2	G1-582.962 HA	No exploration done in G1	Mine Not operational due to Lack of EC
1e	Balance reserves as on 01.04.2018	85.58 mio.T	85.58 mio.T	Mine Not operational due to Lack of EC
1f	General remarks of inspecting officer on geology, exploration etc.	The deposit is flat regular deposit but as the mine still not operational therefore the exploration proposed still not done.		

2.0 Development:

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (2018-19)	23500E to 24000E & 13000N to 13500N	NIL	Mine Not operational due to Lack of EC
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil/Over Burden- 1.7m Limestone- 7.5 m	NIL	Mine Not operational due to Lack of EC
2c	Stripping ratio or ore to OB ratio	1:0.1	NIL	Mine Not operational due to Lack of EC
2d	Quantity of topsoil generation in m3 (2018-19)	Topsoil 44744.0 m3	NIL	Mine Not operational due to Lack of EC
2e	Quantity of overburden generation in m3	Overburden 178976.0 m3	NIL	Mine Not operational due to Lack of EC
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine Not operational due to Lack of EC		

3.0 Exploitation:

	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	NIL	Mine Not operational due to Lack of EC
3b	Quantity of ROM mineral production proposed (2018-19)	3555000 Tons	NIL	Mine Not operational due to Lack of EC
3c	Recovery of salable/usable mineral from ROM production	95%	NIL	Mine Not operational due to Lack of EC
3d	Quantity of mineral reject generation	No mineral reject generation.	NIL	Mine Not operational due to Lack of EC
3e	Grade of mineral reject generation and threshold value declared	NA	NA	Mine Not operational due to Lack of EC
3f	Quantity of sub-grade mineral generation	No sub-grade mineral generation.	NA	Mine Not operational due to Lack of EC
3g	Grade of sub-grade mineral generation	NA	NA	Mine Not operational due to Lack of EC
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	NA	Mine Not operational due to Lack of EC
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	Mine Not operational due to Lack of EC
3j	Provision of drilling & blasting in mineral benches	DTH Drilling and blasting	NIL	Mine Not operational due to Lack of EC
3k	Provision of mining machineries in mineral benches	HYD. Shovel, Back Hoe, Dumper, Tipper, Hydraulic Drill, Pay loader, Dozer, Explosive van, water & Diesel tanker, Mobile service van, Pick up Van & Crusher	NIL	Mine Not operational due to Lack of EC

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes OB-1.7m Limestone-7.5m	NIL	Mine Not operational due to Lack of EC
3m	Total area covered under excavation/pits	22.84 HA	NIL	Mine Not operational due to Lack of EC
3n	Ore to OB ratio for the pit/mine during the year	1:0.1	NIL	Mine Not operational due to Lack of EC
3o	Total area put in use under different heads at the end of year	33.77 HA	NIL	Mine Not operational due to Lack of EC
3p	Production of ROM mineral during last five-year period, as applicable	1.2013-14---NIL 2.2014-15---0.1 Mio.T 3.2015-16---1.8 Mio.T 4.2016-17---3.55 Mio.T 5.2017-18---3.55 Mio.T	NIL	Mine Not operational due to Lack of EC
3q	General remarks of inspecting officer on method of mining etc.	Mine Not operational due to Lack of EC		

4.0 Solid Waste Management-Dumping:

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Topsoil/OB shall be dumped along the periphery of mining lease.	NA	Mine Not operational due to Lack of EC
b	Location of topsoil, OB & mineral reject dumps	Topsoil/OB dumped along the periphery of mining lease and north west Dolomitic area and south eastern shale limestone area.	NA	Mine Not operational due to Lack of EC
4c	Number of dumps within lease area and outside lease area	01	NA	Mine Not operational due to Lack of EC
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The dump will form bund along northern, eastern & western part along lease boundary inside the lease, which will be utilized for plantations.	NIL	Mine Not operational due to Lack of EC
4e	Number of active & alive dumps	01	NIL	Mine Not operational due to Lack of EC
4f	Number of dead dumps	NIL	NIL	Mine Not operational due to Lack of EC
4g	Number of dumps stabilised	01	NIL	Mine Not operational due to Lack of EC

4h	Whether Retaining wall or garland drain all along dumps are there	There will be garland drain having cross section of 1.0X1.0m along the dump.	NIL	Mine Not operational due to Lack of EC
4i	Length of Retaining wall or garland drain all along dump	Garland drain of cross section 1.0mX1.0m all along the dumps	NIL	Mine Not operational due to Lack of EC
4j	Number of settling ponds	NA	NA	Mine Not operational due to Lack of EC
4k	Specific comments of inspecting officer on waste Dump Management	Mine Not operational due to Lack of EC therefore NA		

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	Full extraction of Minerals	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	Mine Not operational due to Lack of EC
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Top soil shall be dumped along the periphery of mining lease and shall be utilized for plantation.	NIL	Mine Not operational due to Lack of EC
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NA		

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.	submitted	NA	Mine Not operational due to Lack of EC

6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha)(2018-19) iii) No. of saplings planted during the year (2018-19) iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	2.74 ha 6850 18475.0 NA 2.16 Lakh Rupees	NIL NIL NIL NIL NIL	Mine Not operational due to Lack of EC
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 backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	No back filling proposed during present approve mine plan. NIL Once area matured for backfilling purpose, OB will be dumped in worked out portion of the pit and that will be stabilized with plantation. Yes	NIL NIL NIL NIL	Mine Not operational due to Lack of EC Mine Not operational due to Lack of EC
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA NA NA	NA NA NA	Mine Not operational due to Lack of EC
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Within Limit	NA	Mine Not operational due to Lack of EC
6f	General remarks of inspecting officer on PMCP compliance & progressive	NA		

7.0 Mineral Conservation:

SN	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM generated shall be consumed in making clinker.	NIL	Mine Not operational due to Lack of EC
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	N.A	Mine Not operational due to Lack of EC
7c	Different grade of mineral sorted out at mines	N.A	N.A	Mine Not operational due to Lack of EC
7d	Any beneficiation process at mines	NO	NIL	Mine Not operational due to Lack of EC
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NA		

8.0 Environment:

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	All the top soil removed shall be dumped along the lease boundary and shall be utilized for plantation.	NIL	Mine Not operational due to Lack of EC
8b	Concurrent use or storage of topsoil	All the top soil removed shall be dumped along the lease boundary and shall be utilized for plantation.	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Overburden or waste rock shall be dumped along the mining lease boundary.	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	The mined out overburden shall be partially utilized for backfilling.	NA	
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)	Proposed (2018-19)-6850 nos.	NIL	
8g	Survival rate	80%	NIL	
8h	Water sprinkling on roads to control airborne dust	Water tanker -20 KL capacity	NIL	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	AS the mine still not operational therefore no adverse impact on aesthetic beauty in and around mines area
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9.0 Compliance of Rule 45:

S.N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	Monthly Returns F-8 & H-8 is submitted regularly.	

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	No information	No mining Engineer and Geologist appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA		Mine Not operational due to Lack of EC
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	NA		
9i	Scrutiny of Annual return on fixed assets	Rs 156800000/-		
9k	Scrutiny of Annual return on mining machineries	Mine Not operational therefore no information on mining machineries		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- During the mine visit it was observed that there is deviation on mining and allied activities(exploration, exploitation, afforestation, etc) as per given proposal in last approved document but as the mine still not operational due not having EC therefore violation not pointed out and the same proposals incorporated in present mining plan for which inspection done.

During present inspection Rule 55 of MCDR, 2017 found violated for not appointing mining engineer and Geologist and no violation of earlier inspection left for compliance.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)