

MCDR INSPECTION REPORT

1.0 GENERAL:

SN	Particulars	Details
1	Name of the inspecting officer	J.S. Hada, AMG
2	Date of Inspection	22.9.2017
3	Accompanying mine official	Shri P.P. Pandey, & Mines Manager Shri S. Venkatesh, Mining Engineer
4	Name of the Mine	Nandini khundini Limestone Mines
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total 53.57 (Ha), Non forest 17.89-Govt land 35.68- BSP Land Acquired by ACC Limited
6	Mine code	38CHG05024
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/18805/2014
8	Name of the lessee, Address, phone, email and fax number	M/s ACC LIMITED Phone. No-07882285081 Fax.No-07882282585 Email- pinaki.pandey@acclimited.com
9	Village	Nandini Khundani
10	Taluka/Mandal	Dhamdha
11	District	Durg
12	Pin code	490036
13	State	Chhattisgarh
14	Post office	Nandini Khundani
15	Nearest police station	Dhamdha
16	Nearest Railway station	Bhailai
17	Date of Grant of Mining Lease	05.2.2008
18	Date of Execution	02.12.2008
19	Date of opening of Mine	20.9.2016
20	Date of first Renewal, if applicable and its period & expiry	NA
21	Date of second Renewal, if applicable and its period & expiry	NA
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
23	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
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Manoj Kumar Shrivastava M/s ACC LIMITED JAMUL CEMENT WORKS Email id:manoj.shivastava@acclimited.com Phone. No-7882290569 FAX-7882282585
25	Name of the Mines Manager with Address, phone, email, fax number	Shri Pinak Pani Pandey M/s ACC LIMITED

	and date of appointment in mines	JAMUL CEMENT WORKS Email id:pinaki.pandey@acclimited.com Phone. No-7024136362 Fax. No- 7882282585
26	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Subramani.Venkatesh Address: ACC Limited, Jamul P.O: Jamul Cement Works Bhilai, Durg(C.G) Mobile no-7471116120
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	yes
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	314(3)/2008-MCCM/(CZ)/MP-12 DATED 05.08.2008 PERIOD-2008-09 TO 20012-13
29	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	No.314 (3)/2012-MCCM (CZ)/MS-45 Dated 04.10.2013 Period 2013-14 to 2017-18
30	Mineral(s) granted in lease and proved for mining	LIMESTONE
31	Method of Mining (Opencast, Underground)	Opencast Mining
32	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
33	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	6 boreholes (180 meter)	6 boreholes (180 meter)	–
1b	Exploration over lease area for Geological axis 1 or 2.	–	–	Entire lease area is already explored under G1
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Raw Materials and Mine Planning Division of ACC Ltd. Total expense during the year approximately 5.5 lakh.		

1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Entire lease area is already explored under G1
1e	Balance reserves as on 01.04.2017	43.74 mt	43,739,968.3t	31.70 tons was transported for sampling for the year 2016-17 from NK Mines.
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

2.0 Development:

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	South west part of the lease	South west part of the lease	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil-3m Limestone-7m	Topsoil-3m Limestone-7m	
2c	Stripping ratio or ore to OB ratio for year 2016-17	0.14	0.29	
2d	Quantity of topsoil generation in m3	-	NA	Quantity is not Measurable however whatever top soil generated was used for plantation.
2e	Quantity of overburden generation in m3	74601	11690.99	Mining started in Sept 2016 only.

2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil
----	---	-----

3.0 Exploitation:

	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	103000	31.70	Mining started in September 2016 only
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NA	NA	
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	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	Deep hole and blasting	Deep hole and blasting	
3k	Provision of mining machineries in mineral benches	Excavators, Dumpers/Tippers	Excavators, Dumpers/Tippers	

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	11.80ha	11.80ha	
3n	Ore to OB ratio for the pit/mine during the year 2016-17	0.072	0.16	
3o	Total area put in use under different heads at the end of year	15.29	20.51	
3p	Production of ROM mineral during last five-year period, as applicable	2,51,8,097 Tons	31569.07 Tons	Current year till 1 st April to 31 st August 2017
3q	General remarks of inspecting officer on method of mining etc.	Nil		

4.0 Solid Waste Management-Dumping:

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Yes	Yes	

	(Rule 32, 33)			
4b	Location of topsoil, OB & mineral reject dumps	North Eastern part of the lease	North Eastern part of the lease	Top soil and OB Material dumped along the mine boundary
4c	Number of dumps within lease area and outside lease area	Along the lease boundary within lease	Along the lease boundary within lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Mostly Outside UPL	Small quantity in NE within UPL which is a temporary dump.
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	NA	NA	OB and Top soil is dumped all along the mine boundary as a safety barrier for local inhabitants
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drains To be formed along the dump	Garland drains Formed along the dump	
4i	Length of Retaining wall or garland drain all along dump	-	-	
4j	Number of settling ponds	Nil	NA	
4k	Specific comments of inspecting officer	Nil		

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	NA	NA	Mining operation started from sept-2016
5b	Area under backfilling of mined out area	NA	NA	Mining operation started from sept-2016
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	Mining operation started from sept-2016
5d	Total area fully reclaimed & rehabilitated	NA	NA	Mining operation started from sept-2016
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil		

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 29.09.2017	
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 (Rs in Lakhs)	NA NA 0.6 1500 4500 NA 13.00	NA NA 0.12 0.00 00 NA 2.1	No plantation was done inside the Mine boundary during 2016-17 except 800 nos of plantation done outside the Lease boundary. In current year 2017-18 done plantation of 2400 nos.
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	NA NA NA NA NA NA	NA NA NA NA NA NA	

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 NA NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)			A detail environmental study of Nandini khundini Mines done and the details is submitted in modification of mine plan (pls Refer Annexure-12,13 & 23)
6f	General remarks of inspecting officer on PMCP compliance & progressive	Nil		

7.0 Mineral Conservation:

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch	ROM dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	N.A	N.A	
7c	Different grade of mineral sorted out at mines	N.A	N.A	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil		

8.0 Environment:

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	Top soil available in minor quantity is removed is stored separately and is utilised in plantation along the Mine boundary.
8b	Concurrent use or storage of topsoil	Yes	Yes	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Same is being complied as on scheme of mining plan.	OB Removed is dumped along the mine boundary and also on the north east side of the lease .
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	NA	Mining operation was started from sep-2016
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1500	2400	Plantation done in the current year 2017-18
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	Water tanker of adequate capacity will be provided.	complied	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Nil		

9.0 Compliance of Rule 45:

S. N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	MR – Online submitted from April 2017 AR- Online submitted	

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	Mines Manager: Shri P.P. Pandey, ME: Shri S.Venkatesh Geologist: Shishir Gaur	-	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Workings: 11.8 ha Infrastructure: 0.480 ha Plantation: 0.500 ha	-	
9d	Scrutiny of Annual return on afforestation	800 plants outside lease area	-	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Rejects generation – 0	-	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock - 0	-	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value – 0 Ex-mine price- Rs 179/t	Captive mine	
9i	Scrutiny of Annual return on fixed assets	-	-	
9k	Scrutiny of Annual return on mining machineries	Backhoe – 2 Trucks – 17 Water Tanker – 1	-	

		Other HEM Machinery - 2		
--	--	----------------------------	--	--

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

No outstanding violation. During the current inspection no major /serious violation was observed.

(J.S. Hada)
Assistant Mining Geologist