

MCDR INSPECTION REPORT 2022-23

General:

Sl .No.	Particulars	Details
1	Name of the Mine	Nandini Kundini Limestone Mines
2	Date of Inspection:	04/12/2023
3	Name of Inspecting Officer	D. Upadhyay (DCOM)
4	Name of official accompanying inspection	Shri. Deepak Kumar (Manager) Shri. Rasik Padashala (Mining Engineer) Shri. Shisir Gour (Geologist)
5	Last date of Inspection & Officer	10/10/2022, D. Upadhyay (DCOM)
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease area - 53.57 Ha Forest Land - Nil Non Forest Land – 53.57 Ha
7	Mine code	38CHG05024
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/256/2011
9	Name of the Lease, Address, Phone, email and fax number	ACC Limited Cement House, 121, Maharshi Karve Road, Mumbai - 400020 Phone: 2233024321 Email: ajay.kapur@adani.com
10	Village	Nandini Kundini
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post Office	Medesara
16	Nearest Police Station	Nandini
17	Nearest Railway Station	Durg
18	Date of Grant of Mining Lease	05.02.2008
19	Date of Execution	02.12.2008
20	Weekly day of rest	Sunday
21	Date of opening of Mine	20.09.2016
22	Date of First Renewal, if applicable and its period & expiry	Not Applicable
23	Date of Second Renewal, if applicable and its period & expiry	Not Applicable
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Ajay Kapur (Nominated Owner) Designation: Whole Time Director & CEO ACC Limited Cement House, 121, Maharshi Karve Road, Mumbai - 400020

		Phone: +91 9820070057 Email: ajay.kapur@adani.com DOA: 03/12/2022
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Name: Mr. Suresh Dube Designation: Chief Plant Manager/Agent DOA:01/11/2022 Address: ACC Jamul Cement Works Bhilai Durg C.G- 490024 suresh.dubey@adani.com Phone: +91 9262299138 DOA: 01/11/2022
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Deepak Kumar Designation: Manager Mines Qualification: Diploma in Mining and Mine Surveying Address: Jamul Cement Works ACC Limited, Bhilai, Durg, C.G- 490024 Mob: 9752099803 Email: deepak.kumar9@adani.com DOA: 01.07.2021
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri. Rasik Padashala Designation: Mining Engineer Experience: 10 years Qualification: BE Mining Address: Jamul Cement Works ACC Limited, Bhilai, Durg, C.G- 490024 Mob: +91 8160798484 Email: rasik.padashala@adani.com DOA: 04/10/2023 Shri. Shishir Gour Designation: Geologist Experience: 31 Years Qualification: M.Sc (Geology) Address: Jamul Cement Works ACC Limited, Bhilai, Durg, C.G- 490024 Mob: 7738368632 Email: shishir.gour@adani.com DOA: 20-09-2016
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1) Modified Mine plan approval letter no: Durg/Chup/Kyo-1114/2017-Raipur dated 17/10/2017 For the period :2018-19 to 2022-23

		2) Review of Mining Plan approval letter no- RPR/Durg/LST/1340/RMP/2022-23 dated 30/12/2022 for the period 2023-24 to 2027-28
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Not applicable
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
35	Captive/Non-Captive	Captive
36	Present EC Status	Valid upto lease period. ROM capacity/annum 1030000.0000 (Tonnes)
37	Status of Financial Assurance	Valid Upto 31/03/2028 (Rupees 2.0515 Cr)

Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

1.0 Exploration:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
1a	Backlog of previous year Proposals	Not proposed	NiL	No Backlog
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NiL	Entire lease area 53.57 ha is explored under G1 Category
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	NiL	Entire lease area 53.57 ha is explored under G1 Category
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	NiL	Entire lease area 53.57 ha is explored under G1 Category
1e	Balance reserves as on 01.04.2023	Balance reserves as on 01.04.2023 31673396 MT (31.67 Mio.T)		
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area 53.57 ha is explored under G1 Category		

2.0 Development:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
2a	Location of Development w.r.t. lease area	Between section line SL-1 to SL-4 UTM Zone 44 Q From 539804.12E to 540024.81E & from	Being done as per proposal between section lines SL-1 to SL-4, at UTM Zone 44 Q	Development is carried out within approved proposal.

		2364545.99N to 2364285.39N	<i>From 539804.12E to 539980.36E & From 2364422.34 to 2364287.77</i>	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in OB & Ore	Separate benches in OB & Ore are maintained	Separate benches in OB & Ore are maintained as per proposal.
2c	Stripping ratio or ore to OB ratio	1:0.14	1:0.14	OB generated as per proposal.
2d	Quantity of topsoil generation in m ³	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m ³	73224 m3	73139 m3	OB generated as per proposal.
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Developmental is carried out within approved proposal.		

3.0 Exploitation:

S.N	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	1	1	01 Pit
3b	Quantity of ROM mineral production proposed	505398T	504980T	ROM production is consumed to its captive plant.
3c	Recovery of Salable/usable mineral from ROM production	505398T	504980T	Total ROM is usable to its Plant.
3d	Quantity of mineral reject generation	Not proposed.	NIL	NIL
3e	Grade of mineral reject generation and threshold value declared	Not proposed.	NIL	NIL
3f	Quantity of sub-grade mineral generation	Not proposed.	NIL	NIL
3g	Grade of sub-grade mineral generation	Not proposed.	NIL	NIL
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	Mechanized
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NIL	NIL
3j	Provision of drilling & blasting in mineral benches	Drilling and blasting is proposed,	Drilling and blasting is carried out as per	Drilling and blasting is carried out as per

			proposal.	proposal.
3k	Provision of mining machineries in mineral benches	Shovel and dumper combination	Shovel and dumper combination	Excavator, Loader and Dumper are equipped to winning out the mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation /pits	19.49 Ha upto the end of plan period.	17.75 Ha	17.75 Ha upto 2022-23
3n	Ore to OB ratio for the pit/mine during the year	1:0.14	1:0.14	OB generated as per proposal.
3o	Total area put in use under different heads at the end of year	Pit-19.49 Ha Dump-5.66 Ha Infra&road-0.48 Ha Others(Plantation)-1.12Ha Total-26.75 Ha upto the end of plan period	Pit-17.75 Ha Dump-4.49 Ha Infra&Road-1.88 Drainage-0.198Ha Total-24.32Ha Plantation- 1.25	Total area put in use under different heads at the end of year are as per proposal
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	F.Y. 2018-19: 506519 MT	F.Y. 2018-19: 263966 MT	ROM production is consumed to its captive plant.
		F.Y. 2019-20: 505522 MT	F.Y. 2019-20: 453473 MT	
		F.Y. 2020-21: 508095 MT	F.Y. 2020-21: 140198.39 MT	
		F.Y. 2021-22: 507009 MT	F.Y. 2021-22: 426651.18 MT	
		F.Y. 2022-23: 505398 MT	F.Y. 2022-23: 504980.04MT	
3q	General remarks of inspecting officer on method of mining etc	The ROM production has been carried out from single pit as per proposal.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB. No Top soil and Reject proposed.	Being done as per proposal	Being done as per proposal
4b	Location of topsoil, OB & mineral reject dumps	OB location From 540467E to 540388E & 2364767N to 2364786N	OB/waste dumping location as per proposal 540467E to 540388E & 2364767N to 2364786N	Being done as per proposal

4c	Number of Dumps within lease area and outside lease area	Within Lease-04 & Outside Lease-Nil	Within Lease-04 & Outside Lease-Nil	Being done as per proposal
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Along the lease boundary towards Northern, NE part	Along the lease boundary towards North, NE part	Being done as per proposal
4e	Number of Active & Alive dumps	01	01	Being done as per proposal
4f	Number of dead dumps	03	03	Being done as per proposal
4g	Number of dumps stabilized	Not Proposed.	Nil.	Dead dumps partially stabilized.
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Retaining wall is made all along dump
4i	Length of Retaining wall or garland drain all along dump	Not proposed	110m retaining wall with garland drain constructed	Retaining wall is made all along dump.
4j	Number of settling ponds	Not proposed	01 settling pond	01 settling pond
4k	Specific comments of inspecting officer on waste dump management	Separate dumping of OB is maintained as per proposal. Retaining wall is made all along dump.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NIL	Area is not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	Not proposed	NIL	--do--
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NIL	--do--
5d	Total area fully reclaimed & rehabilitated	Not proposed	NIL	--do--
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is not matured for reclamation and rehabilitation.		

6.0 Progressive Mine Closer Plan:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	As per provision of MCDR 2017.	Annual report on PMCP submitted	Annual report on PMCP submitted
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	Not proposed	NIL	Area is not matured for reclamation and rehabilitation.
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	Not proposed	NIL	Area is not matured for reclamation and rehabilitation.
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	Not proposed	NIL	NIL
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environmental monitoring proposed	Environmental monitoring carried out at regular interval and observed that all the parameters within the specified standard limit.	Environmental monitoring carried out at regular interval and observed that all the parameters within the specified standard limit.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Area is not matured for reclamation and rehabilitation.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
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7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatched	ROM mineral dispatched	ROM mineral dispatched
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	Mechanical
7c	Different grade of mineral sort out at mine	ROM mineral dispatched	ROM mineral dispatched	ROM mineral dispatched
7d	Any beneficiation process at mines	Not proposed.	Nil	No such proposal for mineral beneficiation was proposed during the reporting year.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatched for its captive plant.		

8.0 Environment:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not proposed	NIL	Topsoil not proposed.
8b	Concurrent use or storage of topsoil	Not proposed	NIL	Topsoil not proposed.
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Overburden dump towards the northern part of the lease as per mine plan.	Being done as proposed in mine plan	Being done as proposed in mine plan
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Nil	Area is not matured for reclamation and rehabilitation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Nil	Area is not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation upto 31/03/2022 4200 nos. Additional plantation in 2022-23-300nos. Total cumulative 4500 nos.	Plantation upto 31/03/2022 4949 nos. Additional plantation in 2022-23-1500nos. total cumulative-6449	Plantation upto 31/03/2022 4949 nos. Additional plantation in 2022-23-1500nos. total cumulative-6449
8g	Survival rate	85%	85%	Survival rate 85%
8h	Water sprinkling on roads to control airborne dust	Water tanker	One water tanker of 2KL deployed.	One water tanker of 2KL deployed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mines area is maintained by plantation.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to Oct 2023		
		AR submitted up to 2022-23		
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	Mines manager Shri. Deepak Kumar, Mining Engineer: Shri. Rasik Padashala, Geologist: Shri Shishir Gaur	Mining Engineer and Geologist appointed	Mining Engineer and Geologist appointed
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-17.75 Ha Dump-4.49 Ha Infra&Road-1.88 Drainage-0.198Ha Other- 1.448	Found in order.	Found in order
9d	Scrutiny of Annual return on afforestation	Plantation done 1500 Nos.	Found in order.	Found in order
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Found in order.	Found in order
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Nil	Found in order.	Found in order
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex-mine price Rs. 268.28 & production cost is also Rs.268.28/MT	Found in order.	Found in order
9i	Scrutiny of Annual return on Fixed assets	Fixed asset- Rs. 45180165/-	Found in order.	Found in order
9k	Scrutiny of Annual return on mining Machineries	Machineries Shovel, Dumpers etc furnished in AR.	Found in order.	Found in order

10- Details of violations observed during last inspection and the compliance status.

No Violation of serious nature is observed during the inspection.

Date:

Signature:
Name: D. Upadhyay
Designation: DCOM