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MCDR INSPECTION REPORT**General**

S N	Particulars	Details
1	Name of the Mine	Sindola Limestone Mine
2a	Total Lease Area (Ha) with breakup of non-forest and forest land	Total - 840.83 Ha, Forest - 193.67 Ha, Non-Forest - 647.16 Ha
2b	Name of inspecting officer & Date of Inspection & accompanying officer	G. Ram, DCOM & 23.03.2024. & Sh. Mr. Rizwan Jamil, Head Mines
3	Mine code	38MSH26009
4	IBM Regn Number under rule 45 of MCDR, 2017	IBM/256/2011
5	Name of the lessee, Address, phone, email fax number	Sindola Limestone Mines, Vill: Sindola, Taluka: Wani, Dist: Yavatmal, Ph: 7738368633, abhijit.chattopadhyay@adani.com,
6	Village	Sindola
7	Taluka/Mandal	Wani
8	District	Yavatmal
9	Pin code	445307
10	State	Maharashtra
11	Post office	Sindola Mines
12	Nearest police station	Shirpur
13	Nearest Railway station	Wani
14	Date of Grant of Mining Lease	29.06.1966
15	Date of Execution	07/11/1986
16	Date of opening of Mine	---
17	Date of first Renewal, if applicable period & expiry	09/10/2015
18	Date of second Renewal, if app.&its period & expiry	The period of the mining lease was extended till 31.03.2030 as per Sec. 8(A)(5) of the MMDR Act-2015
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. Ajay Kapur, M/s. ACC Limited, Cement house, 121 M K Road, Mumbai-400020, Ph:7738368633, Email: abhijit.chattopadhyay@adani.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Krishna Mohan, Vill: Govari, Taluka: Wani, Dist: Yavatmal, Ph:8290060700, krishna.mohan@adani.com,
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Suraj Fasate, Vill: Sindola, Taluka:Wani, Dist: Yavatmal, Ph: 8766423728, Email: suraj.fasate@adani.com, WEF-
23	Name of the ME, Qualification & exp. with Address, phone, email, and date of appointment in mine	Mr. M.K. Singh, B.E in Mining Eng. Vill: Sindola, Taluka:Wani, Dist: Yavatmal, Ph:9370526440, Email: rizwan.jamil@adani.com, WEF-
24	Whether Geologist & ME appointed in mines satisfy the rule & carrying	Appointed, yes, Mr. Sandeep Upadhyay, MSc(geology)

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	out duties	WEF 01.12.2023
25	Date of Approval of MP/MMP with five-year period and specific condition, if any.	Vide Letter No.314(3)/1996-MCCM(CZ)/MP-1 dated 19.02.1998
26	Date of Approval of SOM/MMP with five-year period and specific condition, if any.	MMP approved vide letter no MCDR-YTL0LST/13/2023-NR-IBM RO NR dated 22.01.2024 for 2023-24 to 2024-25.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
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	NA	NIL, no backlog	MMP was approved on 22.01.2024 for 2023-24 to 2024-25
1b	Exploration over lease area for G-axis 1 or 2.	Entire mineralized area explored in G1 level.		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NIL	
1d	Balance area to be explored to bring G axis in 1 or 2	Mineralized area explored in G1/G2 level.		
1e	Balance reserves as on 01.04.2023	111-24.077 MT & 122-0.689 MT as on 01.10.2023		
1f	General remarks of inspecting officer on geology, exploration etc.	Part of ML area remains for exploration, lessee has proposed core borehole in plan period 2024-25.		

Development

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development wrt ML area	ML94-100 & ML72-23 etc	Deviated from proposal	Deviated from proposal, MMP was approved on 22.01.2024 for 2023-24 to 2024-25
2b	Separate benches in topsoil, OB	Top soil- 0 & OB- 2 bench Mineral-1 bench	Top soil- 0 & OB- 2 bench Mineral-1 bench	
2c	Stripping ratio or ore to OB ratio	1:0.86	1:0.4	
2d	Quantity of topsoil generation (m3)	Not proposed	NIL	
2e	Quantity of OB generation in m3	214178M3	96587	
2f	General remarks of IO on development of pit w.r.t. type of deposit etc.	Mine development work not done as per proposal & MMP is submitted for change of place of working.		

Exploitation

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	1	1	Legging in ROM, Lack of
3b	Quantity of ROM production	599976T	154548T	

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	proposed			demand /
3c	Recovery of salable/usable mineral from ROM	100%	100%	
3d	Quantity of mineral reject generation	514027T	Nil, (Entire ROM used)	Deviated from proposal, MMP was approved on 22.01.2024 for 2023-24 to 2024-25
3e	Grade of mineral reject generation and THV			
3f	Quantity of sub-grade mineral generated			
3g	Grade of sub-grade mineral generation			
3h	Manual / Mech. method adopted	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out if any	Captive Used	Captive consumption	
3j	Provision of drilling & blasting in mineral benches	IRB-400 drill & Nonel blasting	IRB-400 drill & Nonel blasting	
3k	Provision of mining machineries in mineral benches	Sany500-1, Sany380-1, Komatsu-D65-1 HD 465-4	As per proposal	
3l	Whether height of benches in OB and mineral suitable for method of mining	Height of bench 8-10mtr, Width of bench 15-20mtr	As proposed	Deviated from proposal, MMP was approved on 22.01.2024 for 2023-24 to 2024-25
3m	Total area covered under excavation/pits	--	About 77.02	
3n	Ore to OB ratio pit/mine during year	1:0.86	1:0.4	
3o	Total area put in use under different heads at the end of year	Area under Mining-77.02, waste dump-29.6, Road-4.25, Building/ Infra-3.09, Recl.7ha		
3p	Production of ROM mineral during last five-year period, as applicable	2020-21 602808T 2021-22 608640T 2022-23-599976T 2023-24- 600000T	441715T 445570T 154548T 239648T	
3q	General remarks of inspecting officer on method of mining etc.	Mech opencast method of mining with deep hole drilling & blasting using. [Subgrade >34 CaO & <40 CaO]		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & rejects.	Top soil generated was used for plantation & reclamation of dump Within lease - 3, Dump-4a, Stack-4	Top soil generated was used for plantation & reclamation of dump Within lease - Dump-4a, Stack- 4	Deviated from proposal, MMP was approved on 22.01.2024 for 2023-24 to 2024-25
4b	Location of topsoil, OB & mineral reject dump			
4c	Number of dumps within lease area and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit	Outside UPL	Outside UPL	
4e	Number of active & alive dumps	11	4a	
4f	Number of dead dumps	2	2	

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4g	Number of dumps stabilized	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes 100m	Yes 100m	
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds	Not proposed	NIL	
4k	Specific comments of inspecting officer on waste dump management	NIL		

Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part/ full extraction of mineral from mined out area before starting backfilling	NA,	NA, In progress	
5b	Area under backfilling of mined out area		Plantation & re-grassing purposes	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area		7Ha (under process)	
5d	Total area fully reclaimed & rehabilitated		2550 Plants done.	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	NIL		

Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly.	PMCP report is submitted along with online AR 2022-23 with in stipulated time.		
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	i) Area available for rehabilitation (ha) - 12.84Ha ii) Afforestation done (ha) -1.5 Ha iii) No. of saplings planted during the year -3000 iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) Area available for rehabilitation (ha) - 7.0 ii) Afforestation done (ha) -1.5Ha iii) No. of saplings planted during the year (2023-24)-2550, Survived less iv) Cumulative no. of plants -12400 v) Any other specific method of rehabilitation -NA vi) Cost incurred on watch & care during the year.	
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 backfilling	No backfilling	
6d	Compliance of Rehabilitation	Afforestation- 1.5	Afforestation- 1.5	

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	of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	ha, Area rehabilitation, Method of rehabilitation - Plantation	ha, Area rehabilitation- 7.0 ha, Method of rehabilitation - Plantation	
6e	Compliance of Environmental monitoring (core & buffer zone)	Environment monitoring in core & buffer zone done periodically & compliance made.		
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	NIL		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Direct dispatch to captive Cement Plant.	Direct dispatch to captive Cement Plant	All grade of feed able mineral above threshold value is used in captive Cement Plant
7b	Method of grade-wise mineral sorting i.e., manual or mechanical	Mech.	Mech.	
7c	Different grade of mineral sorted out at mines	Yes	Yes	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Proposed	As per proposal	
8b	Concurrent use or storage of topsoil			
8c	Separate dumps for overburden, waste rock, rejects and fines			
8d	Use of OB, waste rock, rejects and fines dumps for restoring the land to its original use	Yes, separate dumps maintained	Yes, separate dumps maintained	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	3000 Nos.	2550 saplings are planted	
8f	Baseline information on existence of plantation & additional plantation	Cumulative no. of plants -12400		
8g	Survival rate	About 85%		
8h	Water sprinkling on roads to control airborne dust	Yes, Dust suppression on mine haul road is regular practice.		
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL		

Compliance of Rule 45

SN	Item	Comments	Remarks

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9a	Status of submission of Monthly and Annual returns	M.R. Submitted online with in stipulated time. A.R. submitted online for 2022-23 with in stipulated time.
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SN	Item	Details given in A.R.	Observation of I/O	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist-Mr. Sandeep Upadhyay Mining Engineer-Pravin Khokle	Found in order	Appointed as per Rule 55
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details as given in AR	Found in order	No significant violation observed & pointed out.
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

Details of violations observed during current inspection and compliance position of earlier violation pointed out: -Presently mine was inspected for evaluation of star rating and MMP was approved by this office on 22.01.2024 for 2023-24 to 2024-25. Lessee has complied the violation issued in earlier inspection