

MCDR INSPECTION REPORT

File No. AP/RR/LST-5/Hyd. Vol. II.

Mine Code: 38APR23004

1	Name of the Inspecting Officer	Shaival Kartikeya
2	Designation	Senior Mining Geologist
3	Accompanying mine Official with Designation	Shri A. Aneel Kumar, DGM (Mines) & Manager (Mines)
4	Date of inspection	23-SEPTEMBER-2024
5	Previous inspection date	07-AUGUST-2023

Part -I General Information

S. N.	Particulars	Details
1	Name of the Mine	Ogipur Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: Nil. Non-forest: 221.92 Ha.
3	Mine code	38APR23004
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/1099/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Penna Cement Industries Limited, #8-3-975, Plot No. 128, Srinagar Colony, Hyderabad (Telangana) – 500 073 Phone No.: +91 -8096629666 Email: veera.raghavulu@adani.com
6	Village	Ogipur
7	Taluk/Mandal	Tandur
8	District	Vikarabad
9	Pincode	501158
10	State	Telangana
11	Post office	Karankote
12	Nearest police station	Karankote
13	Nearest Railway station	Tandur
14	Date of Grant of Mining Lease	G.O. Ms. No. 68 dated 10/03/2008
15	Date of Execution	28/08/2008 to 27/08/2038 (30 Years)
16	Date of opening of Mine	15/03/2010
17	Date of first Renewal, if applicable and its period & expiry	28/08/2038 to 27/08/2058 (20 Years) Supplementary lease deed executed on 13/08/2018.
18	Date of second Renewal, if applicable and its period & expiry	Not applicable.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Sukuru Ramarao, Director, M/s Penna Cement Industries Limited, #8-3-975, Plot No. 128, Srinagar Colony, Hyderabad (Telangana) – 500 073 Email: ramarao.sukuru@adani.com Date of Appointment: 02/09/2024
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Raveendranath Reddy, VP (Works), M/s Penna Cement Industries Limited, Belakatur Village, Tandur Mandal, Vikarabad District, Telangana State Pin Code: 501 158

		Phone No.: +91 - 8605000265 Email: kalimi.reddy@adani.com Date of Appointment: 02/05/2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri A. Aneel Kumar, DGM (Mines) M/s Penna Cement Industries Limited, Belakatur Village, Tandur Mandal, Vikarabad District, Telangana State Pin Code: 501 158 Phone No.: +91 - 9440906068 Email: aneel.allanki@adani.com Date of Appointment: 25/04/2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Chappidi Pavan Kumar Reddy, M/s Penna Cement Industries Limited, Belakatur Village, Tandur Mandal, Vikarabad District, Telangana State Pin Code: 501 158 Phone No.: +91 - 7339956388 Email: chappidi.reddy@adani.com Date of Appointment: 06/08/2024 Qualification: B. Tech. (Mining) Experience: +7 Years
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, appointed. Shri Gona Manohar Reddy, M/s Penna Cement Industries Limited, Belakatur Village, Tandur Mandal, Vikarabad District, Telangana State Pin Code: 501 158 Phone No.: +91 - 8096606209 Email: gona.reddy@adani.com Date of Appointment: 16/10/2023 Qualification: M.Sc. (Geology) Experience: +25 Years
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. MP/AP/RR/Lst-158-SZ dated 15/10/2007 Proposal: F.Y. 2008-09 to 2012-13
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter no. AP/RR/MP/Lst-12/Hyd dated 08/12/2022 Proposal: F.Y. 2023-24 to 2027-28
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
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.)

1.0 Exploration

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
1a	Backlog of previous year	02 nos. of boreholes with cumulative depth of 100 meters.	None of the boreholes have been drilled.	Violation has been pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal.	Nil.	As per last approved Review of Mining Plan, the entire lease area has been explored under G1 Level of Exploration.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document.	None of the boreholes have been drilled.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil.	-
1e	Balance reserves as on 01.04.2024	Balance Reserves and Resources as on 01/04/2024: Under (111): 127.624659 Million Tonnes Under (211): 4.823260 Million Tonnes	Balance Reserves and Resources as on 01/04/2024: Under (111): 129.308851 Million Tonnes Under (211): 4.823260 Million Tonnes	Average grade CaO: 44.18% - 48.25%, SiO ₂ : 9.33% - 13.18%, MgO: 0.45% - 0.75%
1f	General remarks of inspecting officer on geology, exploration etc.	The limestone deposits occurring in the area belong to main Bhima Basin group of Upper Proterozoic period. The rocks of Bhima basin rest over the rocks of Archean basement with a marked unconformity comprise of conglomerate and grit in the granitic terrain. They are considered equivalent of Vindhyan systems. The following stratigraphic sequence has been identified in the region. Geological Age Formations Recent Soil, Alluvium Bhima Group Upper Bhimas } Flaggy Limestones Middle Bhimas} Massive Limestones Lower Bhimas} Shales & Sandstone Lower Rabannapalli Formation - conglomerates - Unconformity - Archean Basement. The Limestone deposits occurring in Vikarabad district belong to a group of rocks known as Bhima Series. The main Bhima basin is in the Bijapur and Gulbarga districts of Karnataka. Only a small eastern		

		extension of the basin is exposed in Telangana in Vikarabad district.
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2.0 Development

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
2a	Location of development w.r.t. lease area	In between UTM co-ordinates (a) N1915807 to N1916128 and E761717 to E762106 (b) N1916252 to N1916592 and E761392 to E761660	(a) In between UTM co-ordinates N1915945 to N1916760 and E761548 to E762115. (b) Production and development has been observed at 7.5 m barrier zone in between Pillar No. 1 to 15 and 56 to 1.	Deviation has been pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil: 01 no. OB/Waste: Nil. Mineral/Ore: 04 nos.	Topsoil: 01 no. OB/Waste: Nil. Mineral/Ore: 04 nos.	-
2c	Stripping ratio or ore to OB ratio	1 : 0.0	1 : 0.0	No overburden present in the mining lease.
2d	Quantity of topsoil generation in m3	93500.00 CuM	Nil topsoil has been generated.	Mainly production and development has been done within the existing pit.
2e	Quantity of overburden generation in m3	No proposal.	Nil.	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development and production is being done through fully mechanized means. There were several pits present within the UTM co-ordinates N1915302 to N1915730 and E761010 to E761870 without any approved proposals.		

3.0 Exploitation

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
3a	Number of pits proposed for production	01 no.	01 no.	There were several pits

				present within the UTM co-ordinates N1915302 to N1915730 and E761010 to E761870 without any approved proposals. Deviation has been pointed out.
3b	Quantity of ROM mineral production proposed	2299000.00 Tonnes	614808.00 Tonnes	-
3c	Recovery of salable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal.	Nil.	-
3e	Grade of mineral reject generation and threshold value declared	No proposal.	Nil.	-
3f	Quantity of sub-grade mineral generation	No proposal.	Nil.	-
3g	Grade of sub-grade mineral generation	No proposal.	Nil.	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Nil.	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal.	Nil.	-
3j	Provision of drilling & blasting in mineral benches	Diameter: 150.0 mm Spacing: 8.0 m Burden: 5.0 m Depth: 10.0 m Explosive: AFNO	Diameter: 150.0 mm Spacing: 8.0 m Burden: 5.0 m Depth: 10.0 m Explosive: AFNO	-
3k	Provision of mining machineries in mineral benches	1. Excavator 01 no. with 5.90 CuM bucket capacity. 2. Dozer 01 no. with 350.0 HP capacity. 3. Tippers 5 nos. with 27.0 CuM carrying capacity. 4. Hydraulic With	1. Back Hoe 04 nos. with 5.90 CuM (01 no.), 3.20 CuM (02 nos.) and 2.30 CuM (01 no.) bucket capacity. 2. Dumpers 05 nos. with 50.0 Tonnes carrying	-

		Pneumatic Drilling Machine 01 no. with 150.0 mm bit size.	capacity. 3. Dozer 01 no. with 324.0 HP capacity. 4. Explosive Van 01 no. with 5.60 Tonnes carrying capacity. 5. Water Tanker 01 no. with 12000 Liters capacity. 6. Jeep/Tractor 03 nos. with 20.0 HP capacity.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: 0.50 m to 1.0 m Mineral/Ore: 10.0 m.	Topsoil: 0.50 m to 1.0 m Mineral/Ore: 10.0 m.	-
3m	Total area covered under excavation/pits	Pit: 47.79 Ha. up to end of F.Y. 2023-24	Pit: 38.03 Ha. up to end of F.Y. 2023-24	-
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.0	1 : 0.0	No overburden present in the mining lease.
3o	Total area put in use under different heads at the end of year	Pit: 47.49 Ha. OB/Waste: Nil. Others: 15.28 Ha. Up to end of F.Y. 2023-24	Pit: 38.03 Ha. OB/Waste: Nil. Others: 15.08 Ha. Up to end of F.Y. 2023-24	-
3p	Production of ROM mineral during last five-year period, as applicable	Yr. 2019-20: 1832538.39 Tonnes Yr. 2020-21: 1991136.21 Tonnes Yr. 2021-22: 2177505.14 Tonnes Yr. 2022-23: 2023539.84 Tonnes Yr. 2023-24: 2299000.00 Tonnes	Yr. 2019-20: 1768703.00 Tonnes (Insitu: 1693703.00 Tonnes and Dump Working: 75000.00 Tonnes) Yr. 2020-21: 1362150.00 Tonnes Yr. 2021-22: 1641051.00 Tonnes Yr. 2022-23: 653386.00 Tonnes Yr. 2023-24: 614808.00 Tonnes	-
3q	General remarks of	Mining has been carried out through the opencast		

inspecting officer on method of mining etc.	method with fully mechanized means using conventional drilling and blasting.
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4.0 Solid Waste Management-Dumping

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Proposal has been given in the approved document for stacking of topsoil in the earmarked location in between UTM co-ordinates N1916672 to N1916907 and E760643 to E760867	No topsoil has been generated during F.Y. 2023-24. The existing topsoil stack is present within mining lease area in between UTM co-ordinates N1916672 to N1916907 and E760643 to E760867	-
4b	Location of topsoil, OB & mineral reject dumps	Topsoil: In between UTM co-ordinates N1916672 to N1916907 and E760643 to E760867	No topsoil has been generated during F.Y. 2023-24.	-
4c	Number of dumps within lease area and outside lease area	Topsoil: 01 no. Overburden/Waste: No proposal. Mineral/ore: No proposal.	Topsoil: 01 no. Overburden/Waste: No proposal. Mineral/ore: No proposal.	As per the last approved document total 9 nos. of old stocks of mineral/ore are present.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within the ultimate pit limit.	Topsoil and mineral stocks are present within the ultimate pit limit.	-
4e	Number of active & alive dumps	Topsoil: 01 no.	No topsoil has been generated during F.Y. 2023-24.	-
4f	Number of dead dumps	No proposal.	Nil.	-
4g	Number of dumps stabilized	No proposal.	Nil.	-
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal.	Nil.	-
4i	Length of Retaining wall or garland drain all along dump	No proposal.	Nil.	-
4j	Number of settling ponds	No proposal.	Nil.	-

4k	Specific comments of inspecting officer on waste dump management.	<p>(i) Pits: There were several pits present within the UTM co-ordinates N1915302 to N1915730 and E761010 to E761870 without any approved proposals.</p> <p>(ii) Stacking: There were several stacks of mineral/mineral-reject present within the UTM co-ordinates N1915346 to N1916130 and E760596 to E761806 without any approved proposals.</p> <p>(iii) No protective measures have been taken around the abandoned pits present within UTM coordinates N1915302 to N1915730 and E761010 to E761870.</p> <p>Deviation has been pointed out.</p>
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5.0 Solid Waste Management-Backfilling

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal.	Nil.	-
5b	Area under backfilling of mined out area	No proposal.	Nil.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal.	Nil.	-
5d	Total area fully reclaimed & rehabilitated	0.347 Ha. area will be utilized for plantation of 600 nos. of saplings along the mining lease boundary.	No saplings have been planted during F.Y. 2023-24.	Deviation has been pointed out.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil.		

6.0 Progressive Mine Closure Plan

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	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.	As per rule 26(2), lessee has to submit the annual report before 1st day of July of every year.	Annual report on PMCP for F.Y. 2023-24 has been submitted before due date.	The given information has been cross verified during inspection.
6b	Management of worked/mined out benches i) Area available for	No proposal.	Nil.	-

	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			
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 proposal.	Nil.	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	600 nos. 0.347 Ha. By plantation	Not done. Not done. Not done.	Deviation has been pointed out.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of the environmental parameters in the core and buffer zone.	Being done as per proposal.	All the parameters are within the permissible limits.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil.		

7.0 Mineral Conservation

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM/Ore will be dispatched directly to the crusher plant without sorting.	Being done as per proposal.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal for grade wise sorting.	ROM/Ore is being dispatched to the captive plant without sorting.	-

7c	Different grade of mineral sorted out at mines	-do-	-do-	-
7d	Any beneficiation process at mines	No proposal.	Nil.	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil.		

8.0 Environment

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal has been given in the approved document for separate removal and stacking in between UTM co-ordinates N1916672 to N1916907 and E760643 to E760867	No topsoil has been generated during F.Y. 2023-24.	-
8b	Concurrent use or storage of topsoil	93550.00 CuM of generated topsoil will be stacked in between UTM co-ordinates N1916672 to N1916907 and E760643 to E760867.	No topsoil has been generated during F.Y. 2023-24.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil.	Old dumps/stocks Topsoil – 01 no. OB/Waste – Nil. Mineral/Ore - 9 nos.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	NIL	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.347 Ha. area will be utilized for plantation of 600 nos. of saplings.	Nil plantation has been done during F.Y. 2023-24.	Deviation has been pointed out.
8f	Baseline information on	600 nos. of saplings	Nil plantation	-do-

	existence of plantation & additional plantation done (Rule 41)	will be planted over 0.347 Ha. area.	has been done during F.Y. 2023-24.	
8g	Survival rate	75%	-do-	-do-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads to control airborne dust through the water tanker.	Being done as per proposal.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil.		

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to December 2024 A.R. Submitted up to F.Y. 2023-24	Nil.

S.N.	Item	Details GIVEN in A.R. F.Y. 2023-24	Observation of I/Officer F.Y. 2023-24	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri Allanki Aneel Kumar. Mining Engineer: Shri T. Yaswanth. Geologist: Shri G. Manohar Reddy.	Manager: Shri Allanki Aneel Kumar. Mining Engineer: Shri T. Yaswanth. Geologist: Shri G. Manohar Reddy.	Nil.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 38.03 Ha. OB/Waste: Nil. Others: 15.08 Ha.	Pit: 38.03 Ha. OB/Waste: Nil. Others: 15.08 Ha.	Nil.
9d	Scrutiny of Annual return on afforestation	Within lease area: Nil Survival Rate: Nil. Outside lease area: Nil Survival rate: Nil.	Within lease area: Nil Survival Rate: Nil. Outside lease area: Nil Survival rate: Nil.	Nil.
9e	Scrutiny of Annual return on mineral reject	Mineral Reject: Nil.	Mineral Reject: Nil.	Nil.

	generation (Grade & quantity)	Grade: Nil.	Grade: Nil.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Closing Stock: Nil. Cement Grade Limestone Closing stock: 13150.00 Tonnes.	ROM Closing Stock: Nil. Cement Grade Limestone Closing stock: 13150.00 Tonnes.	Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value: Rs. 00.00 Ex-mine Price: Rs. 240.02 Per Metric Tonne Cost of Production: Rs. 240.02 Per Metric Tonne	Sale value: Rs. 00.00 Ex-mine Price: Rs. 240.02 Per Metric Tonne Cost of Production: Rs. 240.02 Per Metric Tonne	Nil.
9i	Scrutiny of Annual return on fixed assets	Rs. 531800000.00	Rs. 531800000.00	Nil.
9k	Scrutiny of Annual return on mining machineries	1. Back Hoe 04 nos. with 5.90 CuM (01 no.), 3.20 CuM (02 nos.) and 2.30 CuM (01 no.) bucket capacity. 2. Dumpers 05 nos. with 50.0 Tonnes carrying capacity. 3. Dozer 01 no. with 324.0 HP capacity. 4. Explosive Van 01 no. with 5.60 Tonnes carrying capacity. 5. Water Tanker 01 no. with 12000 Liters capacity. 6. Jeep/Tractor 03 nos. with 20.0 HP capacity.	1. Back Hoe 04 nos. with 5.90 CuM (01 no.), 3.20 CuM (02 nos.) and 2.30 CuM (01 no.) bucket capacity. 2. Dumpers 05 nos. with 50.0 Tonnes carrying capacity. 3. Dozer 01 no. with 324.0 HP capacity. 4. Explosive Van 01 no. with 5.60 Tonnes carrying capacity. 5. Water Tanker 01 no. with 12000 Liters capacity. 6. Jeep/Tractor 03 nos. with 20.0 HP capacity.	Machinery logbook has been cross verified.

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

Violation of Rule 11(1) of MCDR, 2017 has been pointed out.

No outstanding violations.

(Name of inspecting officer with designation and date)

Shaival Kartikeya
Senior Mining Geologist
Date of Inspection 23/09/2024