

# INDIAN BUREAU OF MINES

## --:-- Inspection Report --:--

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	38APR14036	Lease Area (Ha) :	354.236
Forest Area (Ha) :	N/A	Mine Code :	38APR14036
Registration Number :	IBM/1099/2011	Name of lessee :	PENNA CEMENT INDUSTRIES LIMITED
Address of lessee :	Adani Corporate House, Shantigram, ,Near Vaishno Devi Circle, S.G. Highway,, Khodiyar, Ahmedabad	Phone of lessee :	-
Email of lessee :	Veera.raghavulu@adani.com	Fax Number :	N/A
Village :	Ganeshpahad Thanda	Taluka / Mandal :	Dameracherla
District :	Nalgonda	Pincode :	382421
State :	Telangana	Post Office :	N/A
Nearest Police Station :	Wadapally	Nearest Railway Station :	Miryalaguda
Date of Grant of Mining Lease :	2018-08-27	Date of Mining Lease Execution :	2018-08-27
Date of opening in the mine :	Nilsss		

<b>Nominated Owner Details</b>			
Name of the Nominated Owner :	Mr RAMARAO SUKURU	Nominated Owner Address:	ADANI CORPORATE HOUSE, SHANTIGRAM, AHMEDABAD
Nominated Owner Mobile :	9898506081	Nominated Owner Email :	Ramarao.sukuru@adani.com
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2024-09-02
<b>Mining Engineer Details</b>			
Name of the Mining Engineer :	V.Lakshman Rao	Qualification of Mining Engineer :	B.E.Mining
Address of Mining Engineer :	M/s Penna Cement Industries Ltd.,Ganeshpahad (V), Wadapally (PO), Nalgonda (Dist), Telangana - 508355.	Phone of Mining Engineer :	9491890945
Email of Mining Engineer :	Varikooti.rao@adani.com	Fax Number of Mining Engineer :	8683229716
Date of Mining Engineer Appointment :	2015-12-25		
<b>Geologist Details</b>			
Name of the Geologist :	T. Dilip	Qualification of Geologist :	Msc. Applied Geology
Address of Geologist :	M/s Penna Cement Industries Ltd.,Ganeshpahad (V), Wadapally (PO), Nalgonda (Dist), Telangana - 508355.	Phone of Geologist :	9490026305
Email of Geologist :	Dileep.tumpati@adani.com	Fax Number of Geologist :	8683229716
Date of Geologist Appointment :	2025-07-30		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	E. Venkata Ramana	Qualification of Mine Manager :	Dip.Mining With First Class Certificate.

Address of Mine Manger :	M/s Penna Cement Industries Ltd., Ganeshpahad (V), Wadapally (PO), Nalgonda (Dist), Telangana - 508355.	Phone of Mine Manger :	8096900267
Email of Mine Manger :	Ettigowni.ramana@adani.com	Fax Number of Mine Manger :	8683229716
Date of Mine Manger Appointment :	2025-06-02		
Mineral(s) granted in lease and proved for mining :	LIMESTONE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2025-11-13 (2026 - 2030)
Method of mining :	Open Cast	Category :	MECHANISED
Nature of Use :	Captive		

## Part-II : Other Information

### 2.1.1 : Inspection Details

Inspecting Officer :	MK KALMATA
Designation :	Inspection Officer
Name of the Accompanying Official from Mine :	Virtual Inspection
Designation of the Accompanying Official :	Not applicable
Type of Inspection :	MCDR
Date of Inspection :	12/02/2026
Review year considered for MCDR Inspection :	2024-2025

**Final Submitted**

**2.2.1 : Exploration Details**

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of Core Boreholes	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: As of now, a total of 106 core holes have been drilled in the lease area, reaching a cumulative depth of 2,360 meters. Remark File: NIL					
2	Number of DTH Boreholes	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: So far 70 DTH holes were drilled in the lease area. Reaching a depth of 1625 mtrs. Remark File: NIL					
3	Number of exploratory pits / trial pits	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: No exploratory pits or trial pits have been made so far Remark File: NIL					
4	Number of exploratory Trenches	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: No exploratory trenches have been made so far Remark File: NIL					
5	Lateral exploration status for the lease area - G1	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: The total lease area is 354.236 hectares, and the entire lease area has been explored at the G-1 level through drilling 106 core holes to a total depth of 2,360 meters and 70 DTH holes to a total depth of 1,625 meters					

Remark File: NIL					
6	Lateral exploration status for the lease area-G2	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: Entire Mineralized area is already explored under G-1 level. Remark File: NIL					
7	Lateral exploration status for the lease area-G3	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: Entire Mineralized area is already explored under G-1 level. Remark File: NIL					
8	Lateral exploration status for the lease area-G4	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: Entire Mineralized area is already explored under G-1 level. Remark File: NIL					
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROM  Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)	As per the Geological report submitted by the Lessee reserves/resources as on 01-04-2022 are as follows. (In Million tons) Total Reserves : 79.14 Total Resources:- 63.75 Grand Total:- 142.89	As on 01-04-2025 (In Million tonnes) Total Reserves:- 76.56 Remaining Resources:- 63.75 Grand Total:- 140.31	Not applicable.	No Violation
Remark: Reserves and resources have been updated by depleting 2.58 million tonnes of production (ROM) achieved during the Financial years 2022_23 to 2024_25. Remark File: NIL					

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### 2.3.1 : Development - Opencast Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Location of development w.r.t. lease area	In the year 2024-25, there was a proposal for work to be carried out between the coordinates N 1848717 to 1849244 and E 359857 to 360117.	In the year 2024-25, the actual work was carried out between the coordinates N 1848760 to 1849200 and E 359835 to 360010.	The working has been carried out within the proposed area, but not as per the proposal.	No Violation
<p>Remark: The previous inspecting officer had pointed out a violation under Rule 11(1) of MCDR, 2017 for the same. The lessee has updated the actual workings in the recently approved RMP dated 13.11.2025 for the period 2026_27 to 2030_31. So no fresh violation is pointed out based on current virtual inspection.</p> <p>Remark File: NIL</p>					
2	Quantity of overburden generation in m3	9141 in the year 2024-25.	5408 in the year 2024-25.	Minus 3733.	No Violation
<p>Remark: Due to lower production during the year, mining operations were confined to already broken-up areas; consequently, overburden/waste removal has not been carried out as per the approved proposals. Further, the lessee has updated the actual workings in the recently approved RMP dated 13.11.2025 for the period 2026_27 to 2030_31. So no fresh violation is pointed out based on current virtual inspection.</p> <p>Remark File: NIL</p>					
3	Quantity of topsoil generation in m3	6720 in the year 2024-25.(Proposal given at Page no-59 of approved document dated 12-07-2021)	1969 in the year 2024-25.	Minus 4751	No Violation
<p>Remark: Due to less production, work has been carried out in areas that were already broken up. As a result, topsoil has not been removed as per the proposal.</p> <p>Remark File: NIL</p>					
4	Stripping ratio : ore to OB ratio	1:0.012	1:0.015	0.003 & Deviation is very negligible	No Violation
<p>Remark: None.</p> <p>Remark File: NIL</p>					

#### 2.4.1 Exploitation - Opencast Mine Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of pits / Blocks proposed for production	One pit in the year 2024-25.	Work has been carried out in only one pit.	None.	No Violation
<p>Remark: Two working pits exist within the lease area. Dimension of the pits are as follows Pit No1:- 832m (L) x 226m (W) x 16m (D). Pit No.2:- 785m(L) x 675m(W) x 27m(D) Remark File: NIL</p>					
2	Quantity of ROM mineral production proposed (in T)	2233555 tonnes , in the year 2024-25.(including handling of limestone boulders)	1245000 Tonnes	Minus 9,88,555 tonnes (55.74% of the proposed ROM production achieved during the year 2024-25). In the Annual Return submitted for the year 202425, the lessee has shown only the dispatched quantity under ROM. The quantity of 3,22,650 tonnes shown under subgrade/mineral reject has not been included under ROM. The lessee is therefore advised to correct the same in the Annual Return.	No Violation
<p>Remark: The previous inspecting officer had pointed out a violation under Rule 11(1) of MCDR, 2017 for the same. The lessee has updated the actual workings in the recently approved RMP dated 13.11.2025 for the period 2026&amp;ndash;27 to 2030&amp;ndash;31. So no fresh violation is pointed out based on current virtual inspection. Remark File: NIL</p>					
3	Recovery of salable/usable mineral quantity from ROM production in T)	1800075 tonnes , in the year 2024-25.(Limestone production including production of limestone boulders)	922350 Tonnes	Minus 877725 tonnes (Achieved 51.24% of production in the year 2024-25)	No Violation
<p>Remark: The lessee has updated the actual workings in the recently approved RMP dated 13.11.2025 for the period 2026&amp;ndash;27 to 2030&amp;ndash;31. So no fresh violation is pointed out based on current virtual inspection. Remark File: NIL</p>					
4	Quantity of mineral reject/Sub-grade generation	433480 tonnes in the year 2024-25.	322650 tonnes	Minus 1,10,830 tonnes.	No Violation
<p>Remark: Generation of mineral reject/subgrade has reduced due to lower ROM production. The lessee has updated the actual workings in the recently approved RMP dated 13.11.2025 for the period 2026&amp;ndash;27 to 2030&amp;ndash;31. So no fresh violation is pointed out based on current virtual inspection.</p>					

Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	+34 to below 40% Cao.	+34 to below 40% Cao.	None.	No Violation
Remark: The sub-grade/Mineral reject generated is stacked separately for future use. Remark File: NIL					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	None.	None.	None.	No Violation
Remark: Lessee is only doing crushing process to reduce the size of the mined material, which is then fed directly to the attached captive cement plant. Remark File: NIL					
7	Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining plan	An 8.00-meter bench height in minerals was proposed, and no OB/topsoil bench formation was proposed.	Bench heights are maintained within the range of 5.00 to 8.5 meters.	Minor deviations have been observed at certain locations.	No Violation
Remark: Minor deviations in bench height were observed in some places. The lessee has updated the actual workings in the recently approved RMP dated 13.11.2025 for the period 2026_27 to 2030_31. So no fresh violation is pointed out based on current virtual inspection. Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					

#### 2.4.3 : Exploitation - Dump Working Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of dumps proposed for production	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					
2	Quantity of dump material handling Proposed (in Tonne)	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					
3	Recovery of salable/usable mineral from dump production (in Tonne)	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					
4	Production from dump(s) during the year	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					
5	Quantity of mineral reject generation	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					
6	Grade of mineral reject generation and threshold value declared	None.	None.	None.	No Violation

Remark: None. Remark File: NIL					
7	Any analysis or beneficiation study proposed & carried out for mineral reject	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					
8	Manual / Mechanized method adopted for dump working	None.	None.	None.	No Violation
Remark: None. Remark File: NIL					

### 2.5.1 : OB/Waste Dumps Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Only mineral reject/sub-grade dumping was proposed for the year 2024-25.	Mineral reject/sub-grade mineral generated is dumped in the earmarked area.	None.	No Violation
Remark: None. Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	For the year 2024-25, the mineral reject dump was proposed within the coordinates N 1849270 to 1849430 and E 359710 to 359840. Additionally, There was a proposal to spread the waste rock generated during the year 2024-25 in the 7.5-meter safety zone.	In the year In 2024-25, mineral reject was dumped between the coordinates N 1849320 to 1849390 and E 359690 to 359845. Further, Most of the waste rock generated was used for spreading in the 7.5-meter safety zone for plantation purposes, while a small quantity was dumped on the existing waste dump within Pit No-2.	None.	No Violation

Remark: Additionally, three waste dumps exist within the lease area. One active waste dump is located in Pit No. 2, while two inactive waste dumps are situated in the southwestern and southeastern parts of the lease area.

Remark File: NIL

3	Number of active & Inative dumps	Proposed one mineral dump in the year 2024-25.	One active mineral dump is made in the year 2024-25. And one active waste dump is also present in Pit No. 2.	None	No Violation
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Remark: Two old inactive waste dumps exist within the lease area, one in the southwestern part and the other in the southeastern part of the lease area.

Remark File: NIL

4	Number of dead dumps	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
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Remark: Two old inactive dumps exist within the lease area.

Remark File: NIL

5	Number of dumps proposed for stabilished	None in the year 2024-25	None in the year 2024-25	None.	No Violation
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Remark: None.

Remark File: NIL

6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	None in the year 2024-25	None in the year 2024-25	None.	No Violation
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Remark: None.

Remark File: NIL

### 2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
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1	Status on part or full extraction of mineral from mined out area before starting backfilling	No activity is proposed during the current five year bloc period 2021-22 to 2025-26.	None.	None.	No Violation
<p>Remark: The mineral has not been extracted up to the proved level, and no backfilling has been proposed or carried out during the current five-year block period. However, approximately 0.85 ha of Pit No.-1 on the western side was previously backfilled. Remark File: NIL</p>					
2	Year-wise area under backfilling of mined out area	None in the present block period of 2021-22 to 2025-26.	None.	None.	No Violation
<p>Remark: The mineral has not been extracted up to the proved level, and no backfilling has been proposed or carried out during the current five-year block period. However, approximately 0.85 ha of Pit No.-1 on the western side was previously backfilled. Remark File: NIL</p>					
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	6,720 CUM are proposed for utilization in the year 2024-25.	Only 1969 cum of topsoil was generated in the year 2024-25, and the entire quantity was utilized for plantation within the lease area.	Minus 4751 cum.	No Violation
<p>Remark: Since the operations were confined to already broken-up areas, the generation of topsoil has been minimal. Remark File: NIL</p>					
4	Total area fully reclaimed & rehabilitated	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
<p>Remark: An area of 0.85 ha was previously fully reclaimed and rehabilitated. Remark File: NIL</p>					
5	Locations of proposed reclamation & rehabilitated	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
<p>Remark: Previously, approximately 0.85 ha of Pit No. 1 on the western side was backfilled. Remark File: NIL</p>					

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### 2.7.1 : Progressive Mine Closure Plan (PMCP) Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Compliance on reclamation and rehabilitation by backfilling/Other means  Total area and numbers of plantation proposed.	None in the year 2024-25	None in the year 2024-25	None.	No Violation
Remark: An area of 0.85 ha was previously backfilled, and around 1,200 saplings were planted over it as part of the reclamation efforts. Remark File: NIL					
2	Rehabilitation by making water reservoir	None in the year 2024-25	None in the year 2024-25	None.	No Violation
Remark: None. Remark File: NIL					
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	In the year 2024-25, 1.00 ha within the safety zone was proposed for plantation.	In the year 2024-25, plantation was carried out over an area of 1.01 ha within the safety zone.	None.	No Violation
Remark: The total area covered by plantation is 19.8 ha, with a total of 31,730 saplings planted. Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Yes, Air, Water and Noise monitoring was proposed in Core and Buffer zone.	Environmental monitoring in the core and buffer zone is carried out as per the proposal and result are within permissible limits.	None.	No Violation
Remark: Environmental monitoring is carried out by B.S.Envi-tech Pvt.Ltd. Hyderabad Remark File: NIL					

### 2.8.1 : Mineral Conservation Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed dispatch of Cement grade ROM to Captive Cement Plant.	Dispatching Cement Grade limestone to the Captive plant attached to the lease	None.	No Violation
Remark: None. Remark File: NIL					
2	Different grade of mineral sorted out at mines	Cement Grade and sub grade	Cement Grade (Cao + 40%) and subgrade/mineral reject +34 to below 40% Cao.	None.	No Violation
Remark: None. Remark File: NIL					
3	Any beneficiation process at mines	None.	None.	None.	No Violation
Remark: The lessee is transporting ROM to the crushing plant situated near the Cement plant, where it is crushed before being fed to plant. For size reduction. Remark File: NIL					
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	None.	None.	None. The lessee is using mineral having +40% CaO by blending it with high-grade ore under cement grade, as per the requirement of the plant. The mineral containing +34% to below 40% CaO is being stacked separately for future use.	No Violation
Remark: NIL Remark File: NIL					

### 2.9.1 : Environment Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate removal and utilization of topsoil	Yes, proposed.	Topsoil is removed separately and utilized for plantation purposes.	None.	No Violation
Remark: Topsoil generated so far has been utilized for plantation within the lease area. Remark File: NIL					
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None in the year 2024-25.	Most of the waste rock generated was used for spreading in the 7.5-meter safety zone for plantation purposes.	None.	No Violation
Remark: None. Remark File: NIL					
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None in the year 2024-25.	None in the year 2024-25.	None.	No Violation
Remark: Approximately 0.85 ha of Pit No.-1 on the western side was previously backfilled. Remark File: NIL					
4	Plantation & Survival rate	Proposed 1,450 saplings for the year 2024-25.	1,460 saplings were planted in the year 2024-25, with a survival rate of 75 to 80%.	None.	No Violation
Remark: A total of 31,680 saplings have been planted so far, with a survival rate of 70 to 75% Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Yes proposed.	To control airborne dust, the lessee is regularly spraying water on haul roads and within mining areas.	None.	No Violation

Remark: Dust suppression is being carried out using a 15,000-litre capacity water tanker.  
Remark File: NIL

### 2.10 : Annual Return Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Submission of Online Monthly and Annual returns in prescribed period or not	A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year.	Submitting Monthly and Annual returns within the time limit.	None.	No Violation

Remark: Submitted Annual returns for the year 2024-25 on 29-06-2025 and Submitted Monthly returns up to January 2026.  
Remark File: NIL

2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	As per Annual returns submitted to this office for the year 2024-25, the details of Mining Engineer and Geologist are as follows. Mining Engineer: V.Lakshman Rao and Geologist:- D.Sambaiah	The information furnished for the Mining Engineer and Geologist is found to be correct. However, the lessee has appointed T. Dilip as Geologist in place of D. Sambaiah (after submission of the Annual Return for 2024-25). The same will be updated in the Annual Return for the year 2025-26.	None.	No Violation
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Remark: Lessee has submitted notice of appoint of Mining Engineer and Geologist to this office.  
Remark File: NIL

3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Lessee has to submit all the information correctly in the Returns.	The lessee has shown only the dispatched quantity under ROM production and has not included mineral reject. Reserves/resources have been updated by depleting only the dispatched quantity. The lessee is advised to include mineral reject in ROM production and to update reserves/resources by depleting the total ROM production (including mineral reject and grade-wise production).	There is a minor deviation in the exploration details. The lessee is advised to update the exploration details based on the data furnished in the recently approved RMP dated 13.11.2025.	No Violation
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Remark: Advised lessee to update the correct information in the Annual returns.

Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	Not applicable.	Not applicable.	Not applicable.	No Violation
Remark: The lease is valid for more than two years and submission of Final Mine closure Plan is not Applicable. Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	Notice of appointment of Geologist.	The lessee has submitted the notice of appointment in Form H for appointing Shri T. Dilip as Geologist.	None.	No Violation
Remark: The lessee has submitted all applicable notices and returns to this office. Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale vale, cost of of production and ex-mine price is shown as Rs 225.75/T	The information furnished in the annual returns is found correct.	None.	No Violation
Remark: None. Remark File: NIL					

### 2.11 : SDF Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Start Ratings accorded for mine during last 3 years	The applicant submitted a self-assessed 3-star rating for the year 2022-23 to 2023-24. And for the year 2024-25 submitted 4 star (self assessed)	After validation, the reporting mine has remained a 3-star rated mine from 2022-23 to 2023-24, and validation for the year 2024-25 is yet to be done.	None.	No Violation
Remark: The lessee has been maintaining a minimum three star rating as required under Rule 35(4A) of the Mineral Conservation and Development Rules (MCDR) 2017. Remark File: NIL					

### Part-III : Other Reports

#### 3.1.1 : Upload Other Reports

S.N.	Reports File	Remark   File Description
1	NIL	NIL

### Part-IV : Summary Details

#### 4.1 : Summary of Violations

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
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Final Submitted

Esigned by: MK KALMATA  
Date: 25/02/2026 12:19:59 PM