

**MCDR INSPECTION REPORT****1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	Shri Ejaj Ahmad Khan, Assistant Mining Geologist, Indian Bureau of Mines, Hyderabad
2	Accompanying Mine Official with Designation	Shri K. U. JENEKAR, Mining Engineer
3	Date of inspection	12-12-2024
4	Name of the Mine	Pimperkunta Guda
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	89.00 ha
6	Mine Code	40APR01009
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/1041/2011
8	Name of the lessee, Address, phone, email and fax number	M/s. Aditya Minerals Pvt Limited, H No. 1-1-45/C/161, AP Housing Board Colony, Adilabad, Telangana-504001
9	Village	Pimperkunta & Guda
10	Taluka / Mandal / District	Tamsi & Jainath, Dist-Adilabad
11	State	Telangana
12	Post office & PIN	Pimperkunta -504001
13	Nearest police station	Jainath
14	Nearest Railway station	Adilabad
15	Date of Grant of Mining Lease	06-07-1965
16	Date of Execution	28-12-1965
17	Date of opening of Mine	January 1966
18	Date of first Renewal, if applicable and its period & expiry	06-02-2001, 29-12-1985 to 28-12-2005
19	Date of second Renewal, if applicable and its period & expiry	13-07-2009, 28-12-2005 to 27-12-2025
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Vishwakrit Choradia D-29, houzkhas, New Delhi Mobile No. 9868230383 E-mail- rajasthanfast@gmail.com  Date of Appointment : 07-12-2023
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Anand Tripathi 104, G.S. Apartment, G. S. Estate Near Ganesh Temple, Adilabad Cell- 09666915786 <u>Email-</u> anandkiran12001@gmail.com Date of Appointment: 17-06-2024
23	Name of the Mines Manager with Address, phone, email, fax	Nil

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	number and date of appointment in mines	
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri K. U. Jenekar, B.E.(mining) H. No. 9-229/1, Teachers Colony, Adilabad (Telangana).  Date of Appointment- 09-01-2016
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes, Appointed.
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan approved on 14-03-2022 2021-22 to 2025-26 (upto 27-12-2025)
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
28	Mineral(s) granted in lease and proved for mining	Manganese
29	Method of Mining(Opencast, Underground)	Opencast
30	Category (Fully Mechanised, Others or Manual)	A-Mechanised
31	Captive/Non Captive	Non Captive
32	Existing EC Limit and validity	10000 tonnes upto life of mine
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Financial assurance of Rs 92,25,000/- is submitted which is valid up to 27/12/2025

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

**1.0 Exploration**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
1a	Backlog of previous year	Nil	Nil	The entire potentially mineralized zone has been explored under G1 level of exploration.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil		

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1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	50.52 Ha. area has been explored during F.Y 2021-22	Area covered under exploration: G1 Level: 38.57 Ha. Non-mineralized: 50.43 Ha.
1e	Balance reserves as on 01.04.2024 (in Tonnes)	As per approved MMP documents dated 14.03.2022, Resource and reserve estimation as on 05.01.2022 Under (111): 0 Tonnes Under (121): <b>64673</b> Tonnes Under (122): 0 Tonnes Under (211): 0 Tonnes Under (221): <b>2320</b> Tonnes	Under (111): 0. Tonnes Under (121): <b>52856</b> Tonnes Under (122): 0 Tonnes Under (211): 0 Tonnes Under (221): <b>2320</b> Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Geology of the lease area are belonging to of thin bands of shaly/silicious limestone of Penganga Formation which consists of shaly/silicious limestone, irregular bands of manganese with dip 1 to 5degree towards NE direction. Manganese ore occurs as thin bands with more or less regular manner below siliceous limestone.		

**2.0 Development**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	In pit-1 and Pit-2 E 237391-237513 N 2186510-2186750	As proposed UTM co-ordinate	No deviation noticed.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Proposal given in approved document. OB Bench-2 Top soil Bench-1 Mineral Bench-1	Separate benches for OB & mineral has been developed	
2c	Stripping ratio or ore to OB ratio	1: 3.91 tonne/m <sup>3</sup>	1:3.46 tonne/m <sup>3</sup>	
2d	Quantity of topsoil generation in m <sup>3</sup>	4487 m <sup>3</sup>	1890 m <sup>3</sup>	Due to less production in F.Y-

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				2023-24.
2e	Quantity of overburden generation in m <sup>3</sup>	34539 m <sup>3</sup>	13780 m <sup>3</sup>	-do-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development and production has done through mechanized means.		

**3.0 Exploitation**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
3a	Number of pits proposed for production	Two (Pit-1 and Pit-2)	Only in Pit -1	
3b	Quantity of ROM mineral production proposed	9989 tonnes	3976 tonnes	50% of production has not achieved. Violation issued.
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	No mineral reject has generated
3e	Grade of mineral reject generation and threshold value declared	NA	NA	-do-
3f	Quantity of sub-grade mineral generation	Nil	Nil	No sub-grade has generated.
3g	Grade of sub-grade mineral generation	NA	NA	-do-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	
3j	Provision of drilling & blasting in mineral benches	Jackhammer drilling machine of 33 mm diameter proposed to be used & blasting is being carried out using ANFO with detonators	Drilling & blasting operations are been carried out as per proposals	
3k	Provision of mining machineries in mineral benches	Yes, proposed.	Using Combination of excavators and tippers for production and development.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: 0.50 m OB: 4.0 m to 5.0 m Mineral: 0.60 m	Up to 3.0 meter benches in OB was developed	

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3m	Total area covered under excavation/pits	0.63 ha	0.25 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:3.91 tonne/m <sup>3</sup>	1:3.46 tonne/m <sup>3</sup>	
3o	Total area put in use under different heads at the end of year	Area under Pit- 14.77 ha Road 1.07 ha Waste 0.84 ha Top soil 0.19 ha & Mineral storage 0.13 ha	Area under pit 10.20 ha Road 0.93 ha Waste 0.62 ha Top soil 0.19 ha & Mineral storage 0.13 ha	
3p	Production of ROM mineral during last five-year period, as applicable (in Tonnes)	F.Y-2019-20: 6154 Tonnes F.Y-2020-21: 8352 Tonnes F.Y-2021-22: 9315 Tonnes F.Y-2022-23: 9860 Tonne F.Y-2023-24: 9989 Tonnes	F.Y- 2019-20: 6154 Tonnes F.Y- 2020-21: 8344 Tonnes F.Y- 2021-22: 7423 Tonnes F.Y-2022-23: 7841 Tonne F.Y- 2023-24: 3976 Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Open cast mining method with Mechanised equipment like Excavator, Jackhammer drill has been employed.		

**4.0 Solid Waste Management-Dumping**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Yes	Separate stacking of mineral and topsoil have been done	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Topsoil: N2186506 to N2186552 to E237285 to E237325  Mineral/Ore: N2186445 to N2186480 and E237313 to E237348. Dump stack-1 N2186453-N2186634 E237390-E237508 Dum stack-2	Same was observed during inspection.	

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		N2186700-N2186762 E237349-E237392		
4c	Number of dumps within lease area and outside lease area	2 nos.	Dumps observed around working pits.	Temporary waste dumps will be used as backfilled material immediately after extraction of ore.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed within ultimate pit limit.	Situated within the ultimate pit limit.	
4e	Number of active & alive dumps	2 nos.	2 nos.	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilised	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	waste and the topsoil have been utilized for backfilling and topsoil spread over backfilled pit for cultivation.		

**5.0 Solid Waste Management-Backfilling**

SN	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	Concurrent backfilling has been proposed	Same was observed during inspection	
5b	Area under backfilling of mined out area	0.64 ha	0.63 ha area	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Yes, top soil is to be spread in a proper manner over backfilled area so that the land is restored to its near to the original condition	Top soil generated during the year is 1890 m <sup>3</sup> , during the year reclamation of 0.63 ha has been carried out	
5d	Total area fully reclaimed & rehabilitated	--	25.72 ha	

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5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil.
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**6.0 Progressive Mine Closure Plan**

SN	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 23. 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	Submitted with Annual Return On dated 30-06-2024	
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 proposed for rehabilitation – 0.64 ha ii) Afforestation proposed- 0.60 ha iii) No of sapling Proposed – 240 iv) Cumulative No of Plants – 1100 v) Estimated Cost – Rs 96000	i) Rehabilitation done- 4.00 ha ii) Afforestation done- 0.60 ha iii) No of sapling done – 240 vi) Cumulative No of Plants – 1100 v) Cost incurred on watch & care – Rs 96000	
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	i) Voids available for backfilling (L X B X D) 0.64 ha ii) Void filled by waste/tailings -0.64 ha iii) Afforestation on the backfilled area - 0 iv) Rehabilitation by making water reservoir -0 v) Any other specific means – Reclamation & rehabilitation of land by levelling with top soil & make it suitable for cultivation- 0.64 ha	i) Voids available for backfilling (L X B X D) 0.63 ha ii) Void filled by waste/tailings -0.63 ha iii) Afforestation on the backfilled area - 0 iv) Rehabilitation by making water reservoir -0 v) Any other specific means – Reclamation & rehabilitation of land by levelling with top soil & make it suitable for cultivation- 0.63 ha	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring is to be done	Monitoring is being carried out	

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6f	General remarks of inspecting officer on PMCP compliance & progressive	Plantation is being carried out to improve aesthetic beauty.
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**7.0 Mineral Conservation**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM generated is to be sorted and sized manually & dispatched	Sizing, sorting & grading work is being carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Grade wise sorting and sizing is to be carried out manually to obtain required grade	Sorting & sizing carried out manually	
7d	Any beneficiation process at mines	No proposed	nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM generated is subject to sorting & sizing manually. Entire ROM generated is reported to have been dispatched.		

**8.0 Environment**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Top soil proposed to be removed and stack it separately for utilisation.	Top soil is being utilized for restoration of land	
8b	Concurrent use or storage of topsoil	Proposal to restore the top soil temporarily and to be utilized for spreading over backfilled area	Top soil is being stacked separately and utilized over backfilled area	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Yes	Separate dumping of waste and stacking of mineral and topsoil have been carried out.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its	34539 m <sup>3</sup> of waste generated was proposed to backfill for restoring	13780 m <sup>3</sup> of waste generated was	

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	original use	the land to its original use.	backfilled	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Mined out area is being backfilled by waste and levelled. The top soil to be spread on top layer and restore to ground level bring utilized.	Reclamation is being carried out as per approved proposal	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Additional plantation of 240 saplings to be planted.	240 saplings were planted to cover the present proposal	
8g	Survival rate	40%	40%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangement to be done to suppress the dust generation	Water sprinkling arrangement are observed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mined out area is being backfilled, levelled and make it suitable for agriculture to improve the aesthetic beauty.		

**9.0 Compliance of Rule 45**

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – Nov 2024 A.R. submitted upto- Year 2023-24	Return are submitted in time

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	Mining Engineer – K. U. Jenekar Geologist- Ajay Jagtap	Mining Engineer & Geologist were present during inspection	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit 10.20 ha Reclaimed 25.72 ha Road 0.93 ha Top soil & Mineral storage 0.32 ha	Same was observed during inspection	
9d	Scrutiny of Annual return on Afforestation	240 plants	Near about 100 plants were observed.	

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9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral reject – nil	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Below 25% Mn 0.09 tonnes Between 25 to 35% Mn 1092.460 tonnes	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	EMP Below 25 % Mn - Rs 0 Between 25 to 35% Mn -Rs 6586.34 Production cost- Rs 5405	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9i	Scrutiny of Annual return on fixed assets	Value of fixed asset mentioned as Rs 2089944/.year of 2023-24	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9k	Scrutiny of Annual return on mining machineries	Air Compressor (25cum/min)-1, Back hoe – 0.9 capacity & Tractor- 3 tonnes	Air Compressor (25cum/min)-1, Back hoe – 0.9 capacity & Tractor- 3 tonnes	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - **Rule 11(1), 31(4), 34A (1) of MCDR 2017.**

**Ejaj Ahmad Khan**  
**(Assistant Mining Geologist)**