

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/ADB/Mn-3/HYD

Mine code : 40APR01009

- (i) Name of the Inspecting : **K007**) **SHAIVAL KARTIKEYA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri K. U. Jenekar, Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 21/02/2023
- (v) Prev.inspection date : 02/01/2021

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PIMPERKUNTA-GUDA**
- (b) **Registration NO.** : **IBM/1041/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **ADILABAD**
Village : **PIMPERKUNTA GUDA**
Taluka : **ADILABAD**
Post office : **PIMPERKUNTA**
Pin Code : **504001**
FAX No. : **08732-232463**
E-mail : **AMAURFPL@GMAIL.COM**
Phone : **08732-232463**
- (f) Police Station : **TAMSI**
- (g) First opening date : **29/12/1985**
- (h) Weekly day of rest : **SUN**
2. Address for : **1-1-45/C/161, A P HOUSING COLONY**
correspondance : **ADILABAD**
: **TELANGANA**
3. (a) Lease Number : **APR0532**
- (b) Lease area : **89.03**
- (c) Period of lease : **20**
- (d) Date of Expiry : **28/12/2025**
4. Mineral worked : **MANGANESE ORE** Main

5. Name and Address of the

Lessee : M/S ADITYA MINERALS (P)LTD
 6-5-651, HAMEEDPURA,
 ADILABAD TELANGANA
 Phone: 08732 232463
 FAX :

Owner : BINOD KUMAR JAIN
 D-29, II FLOOR HAUZ KHAS,
 NEW DELHI DELHI DELHI
 Phone:
 FAX :

Agent : MUKESHKUMAR LODHA
 H.NO. 304, G S APARTMENT,
 ADILABAD TELANGANA ADILABAD
 TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : K.U.JENEKAR, Full Time
 Qualification : B.E.(MINING)
 Appointment/ : 01/07/2009
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	02/12/2005
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	23/08/2010
		Mining Scheme rule 12 MCDR1988	16/09/2015
		MP modif under 17(3) MCR 2016	31/03/2020
		MP modif under 17(3) MCR 2016	17/07/2020
		MP modif under 17(3) MCR 2016	14/03/2022

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	F.Y. 2021-22: 57 nos. of DTH Boreholes with cumulative depth of 855.0 meters.	F.Y. 2021-22: (i) 57 nos. of DTH boreholes with cumulative depth of 807.20 meters. (ii) 13 nos. of Core boreholes with cumulative depth of 89.0 meters.	The entire potentially mineralized zone has been explored under G1 level of exploration. Area covered under exploration: G1 Level: 38.57 Ha. Non-mineralized: 50.43 Ha.
1b	Exploration over lease area for geological axis 1 or 2	50.52 Ha. un-explored area	50.52 Ha. area has been explored.	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the approved document.	M/s Aditya Minerals Private Limited. Expenditure: Rs. 5,85,740/-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	50.52 Ha. un-explored area	50.52 Ha. area has been explored.	-
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2023 Under (121): 0.054813 Million Tonnes Under (221): 0.002320 Million Tonnes	Balance reserves as on 01.04.2023 Under (121): 0.056831 Million Tonnes Under (221): 0.002320 Million Tonnes	Updated reserves and resources have been obtained from the approved Modified Mining Plan dated 14/03/2022.

1f	General remarks of inspecting officers on geology, exploration etc	The mining lease area and its surroundings are formed by sedimentary formation consisting of thin bands of shaly/silicious limestone of Penganga formation. Soil, Silicious Limestone and Manganese Ore are the only geological formation encountered in the area. The manganese ore occurs below the upper limestone beds and more or less in horizontal stratiform layer of thickness 0.50 meter with clear litho-startigraphic controls.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	F.Y. 2021-22: In Pit No. 2 and 3, in between UTN co-ordinates N2186748 to N2186854 and E237278 to E237394	F.Y. 2021-22: In Pit No. 2 and 3, in between UTN co-ordinates N2186748 to N2186854 and E237278 to E237394	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposal has been given in the approved document for separate benching of Topsoil, Overburden and Mineral/Ore. Topsoil: 01 no. Overburden: 01 no. Mineral/Ore: 01 no.	Separate benching has been maintained. Topsoil: 01 no. Overburden: 01 no. Mineral/Ore: 01 no.	-
2c	Stripping ratio or ore to OB ratio	1 : 1.51	1 : 1.67	-
2d	Quantity of topsoil generation in m3	2486.00 CuM	2400.00 CuM	-
2e	Quantity of overburden generation in m3	14960.00 CuM	12403.00 CuM	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development and production is being done through mechanized means.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 nos. (Pit no. 2 and 3)	02 nos. (Pit no. 2 and 3)	-
3b	Quantity of ROM mineral production proposed	9315.00 Metric Tonnes	7423.00 Metric Tonnes.	-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal.	Nil.	No mineral reject was generated during F.Y. 2021-22.

3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil.	-do-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil.	No mineral sub-grade was generated during F.Y. 2021-22.
3g	Grade of sub grade mineral generation	No proposal.	Nil.	-do-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sizing and sorting has been proposed in the approved document.	Manual sizing and sorting is being done.	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil.	-
3j	Provision of drilling and blasting in mineral benches	Drilling Machine: Jack Hammer, Diameter: 33.0 mm Depth: 0.60 m to 1.50 m Spacing: 0.90 m Burden: 0.70 m Explosive: Gelatin & Detonator	Drilling Machine: Jack Hammer, Diameter: 33.0 mm Depth: 0.60 m to 1.50 m Spacing: 0.90 m Burden: 0.70 m Explosive: Gelatin & Detonator	-

3k	Provision of mining machineries in mineral benches	1. Excavator 01 no. with 0.90 CuM bucket capacity. 2. Tractors 04 nos. with 3.0 Tonnes carrying capacity. 3. Jackhammer Drill 01 no. with 33 mm diameter. 4. Water Tanker 01 no. with 5000 Liters capacity. 5. Dozer 01 no. with 0.50 CuM bucket capacity	1. Air compressor 01 no. with 25.00 CuM/Mn capacity 2. Cack Hoe 01 no. with 0.90 CuM bucket capacity 3. Tractor 04 nos. with 40.0 H.P. capacity	-
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: 0.50 m	Topsoil: 0.50 m OB: 4.0 m to 5.0 m Mineral: 0.50 m	-
3m	Total area covered under excavation/pits	13.610 Ha. up to end of F.Y. 2021-22	13.450 Ha. up to end of F.Y. 2021-22	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 1.51	1 : 1.67	-
3o	Total area put in use under different heads at the end of year	Pit: 13.61 Ha. Waste/reject- 0.84 Ha. Others- 1.40 Ha. Up to end of F.Y. 2021-22	Pit: 13.45 Ha. Waste/reject- 0.84 Ha. Others- 20.43 Ha. Up to end of F.Y. 2021-22	Out of 20.43 Ha., 19.18 Ha. has been reclaimed and rehabilitated.

3p	Production of ROM mineral during the last five year period as applicable	Yr. 2017-18: 5826.00 Metric Tonnes	Yr. 2017-18: 6477.00 Metric Tonnes	-
		Yr. 2018-19: 6154.00 Metric Tonnes	Yr. 2018-19: 6154.00 Metric Tonnes	
		Yr. 2019-20: 6154.00 Metric Tonnes	Yr. 2019-20: 6154.00 Metric Tonnes	
		Yr. 2020-21: 6154.00 Metric Tonnes	Yr. 2020-21: 8344.00 Metric Tonnes	
		Yr. 2021-22: 9315.00 Metric Tonnes	Yr. 2021-22: 7423.00 Metric Tonnes	

3q	General remarks of inspecting officers on method of mining etc.	Mining has been carried out through the opencast method with mechanized means using conventional drilling and blasting.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposal has been given in the approved document for separate dumping of waste and stacking of mineral and topsoil.	Separate dumping of waste and stacking of mineral and topsoil have been done in the earmarked locations within lease area.	Generated topsoil will be spreaded over the backfilled area for restoration of the ground.

4b	Location of topsoil, OB and mineral reject dumps	In-between UTM co-ordinates (i) Waste Dump 1: N2186453 to N2186634 and E237390 to E237508 (ii) Waste Dump 2: N2186700 to N2186762 and E237349 to E237392 (iii) Mineral/Ore: N2186445 to N2186480 and E237313 to E237348 (iv) Topsoil Stack 1: N2186485 to N2186507 to E (v) Topsoil Stack 2: N2186506 to N2186552 to E237285 to E237325	In-between UTM co-ordinates (i) Waste Dump 1: N2186453 to N2186634 and E237390 to E237508 (ii) Waste Dump 2: N2186700 to N2186762 and E237349 to E237392 (iii) Mineral/Ore: N2186445 to N2186480 and E237313 to E237348 (iv) Topsoil Stack 1: N2186485 to N2186507 to E (v) Topsoil Stack 2: N2186506 to N2186552 to E237285 to E237325	-
4c	Number of dumps within lease area and outside of lease area	02 nos. of waste dumps adjacent to the working pits.	02 nos. of waste dumps adjacent to the working pits.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within ultimate pit limit.	Situated within the ultimate pit limit.	-
4e	Number of active and alive dumps.	02 nos.	02 nos.	-
4f	Number of dead dumps.	No proposal.	Nil.	-
4g	Number of dumps established.	No proposal.	Nil.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal has been given in the approved document for construction of garland drain along waste dumps.	Garland drain has been constructed along waste dump.	-

4i	Length of Retaining wall or garland drain all along dumps	Garland drain: 220 meters.	Garland drain: 220 meters.	Constructed in between UTM co-ordinates N2186435 to N2186507 and E237303 to E237350
4j	Number of settling ponds	No proposal.	Nil.	-
4k	Specific comments of inspecting officer on waste dump management			Nil.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Concurrent backfilling has been proposed in the approved document over 2.13 Ha. mined out area in Pit No. 2 and 3	Concurrent backfilling is being done over the 2.04 Ha. mined out area in Pit no. 2 and 3.	-
5b	Area under backfilling of mined out area	Pit no. 2 and 3: 2.13 Ha. in between UTM co-ordinates N2186745 to N2186848 and E237278 and E237388	Pit no. 2 and 3: 2.04 Ha.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposal has been given in the approved document for concurrent use of topsoil for spreading over the backfilled area and ground restoration.	Being done as per proposal.	-
5d	Total area fully reclaimed and rehabilitated	0.81 Ha. area will be backfilled.	0.51 Ha. area has been backfilled.	-

5e General remarks of inspecting officers on backfilling and reclamation etc. Nil.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	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. 2021-22 is not submitted.	Violation has been pointed out.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil.	-
6d	No. of saplings planted during the year	No proposal.	Nil.	-
6e	Cumulative no .of plants	No proposal.	Nil.	-
6f	Any other method of rehabilitation	No proposal.	Nil.	-
6g	Cost incurred on watch and care during the year	No proposal.	Nil.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	29253.60 CuM	29160.00 CuM	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	14960.00 CuM	12403.00 CuM	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	60 nos. of saplings	Nil plantation has been done.	Violation has been pointed out for Nil plantation during F.Y. 2021-22.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil.	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil.	-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil.	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	Nil.	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	Nil.	-
6p	Compliance of environmental monitoring (core zone and 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.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Nil.

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual soring has been proposed for grade wise segregation of the mineral/ore.	Manual sorting is being done for below 25% Mn and 25% and below 35% Mn	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-do-	-do-	-
7c	Different grade of mineral sorted out at mines.	Proposal has been given in the approved document for grade wise sorting of mineral/ore.	-do-	-
7d	Any beneficiation process at mines	No proposal.	Nil.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Nil.

 Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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- 8a Separate removal and utilization of topsoil (Rule 32) Proposal has been given in the approved document for separate removal of 2486.00 CuM of topsoil and stacking in between UTM co-ordinates (i) Topsoil Stack 1: N2186485 to N2186507 to E (ii) Topsoil Stack 2: N2186506 to N2186552 to E237285 to E237325 also certain quantity has been utilized for ground restoration.
- 2400.00 CuM of generated topsoil has been stacked in between UTM co-ordinates (i) Topsoil Stack 1: N2186485 to N2186507 to E (ii) Topsoil Stack 2: N2186506 to N2186552 to E237285 to E237325 also certain quantity has been utilized for ground restoration.
- Also generated topsoil will be spreaded over the backfilled area for restoration of the ground.
- 8b Concurrent use or storage of topsoil Generated topsoil will be spreaded over the backfilled area for restoration of the ground. Certain quantity of topsoil has been utilized for ground restoration.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal has been given in the approved document for separate dumping of waste and stacking of mineral and topsoil.	Separate dumping of waste and stacking of mineral and topsoil have been done in the earmarked locations within lease area. In-between UTM co-ordinates (i) Waste Dump 1: N2186453 to N2186634 and E237390 to E237508 (ii) Waste Dump 2: N2186700 to N2186762 and E237349 to E237392 (iii) Mineral/Ore: N2186445 to N2186480 and E237313 to E237348 (iv) Topsoil Stack 1: N2186485 to N2186507 to E (v) Topsoil Stack 2: N2186506 to N2186552 to E237285 to E237325	-
		n-between UTM co-ordinates (i) Waste Dump 1: N2186453 to N2186634 and E237390 to E237508 (ii) Waste Dump 2: N2186700 to N2186762 and E237349 to E237392 (iii) Mineral/Ore: N2186445 to N2186480 and E237313 to E237348 (iv) Topsoil Stack 1: N2186485 to N2186507 to E (v) Topsoil Stack 2: N2186506 to N2186552 to E237285 to E237325		
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has been given in the approved document for backfilling of 0.81 Ha. area through waste rock in between UTM co-ordinates N2186454 to N2186700 and E237369 to E237498.	0.51 Ha. area has been backfilled through waste rock in between UTM co-ordinates N2186454 to N2186700 and E237369 to E237498.	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.81 Ha. will be backfilled with the waste rock and 60 nos. of sapling will be planted over 0.15 Ha. backfilled. Area.	0.51 Ha. has been backfilled. Nil plantation has been done.	Violation has been pointed out.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	60 nos. of saplings will be planted over 0.15 Ha. area.	Nil plantation has been done.	-do-
8g	Survival rate	Not mentioned in the approved document.	-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.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to March 2023. A.R. Submitted up to F.Y. 2021-22	M.R. Submitted up to March 2023. A.R. Submitted up to F.Y. 2021-22	Nil.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri Durgam Venkatesh Mining Engineer: Shri K. U. Jenekar Geologist: Shri Ajay Jagtap	Manager: Shri Durgam Venkatesh Mining Engineer: Shri K. U. Jenekar Geologist: Shri Ajay Jagtap	Nil.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 13.45 Ha. Waste/reject- 0.84 Ha. Others- 20.43 Ha.	Pit: 13.45 Ha. Waste/reject- 0.84 Ha. Others- 20.43 Ha.	Out of 20.43 Ha., 19.18 Ha. has been reclaimed and rehabilitated.
9d	Scrutiny of Annual return on afforestation	Within lease area: 60 nos. of saplings with 40% survival rate.	Nil plantation has been done.	Violation has been pointed out.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral-reject: NIL Grade: NIL	Mineral-reject: NIL Grade: NIL	Nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock ROM: NIL Graded Ore: (i) Below 25% Mn: 298.080 Metric Tonnes. (ii) 25% to below 35% Mn: 312.600 Metric Tonnes.	Closing Stock ROM: NIL Graded Ore: (i) Below 25% Mn: 298.080 Metric Tonnes. (ii) 25% to below 35% Mn: 312.600 Metric Tonnes.	Nil.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value: Rs. 41459719.32. Ex-mine Price: (i) Below 25% Mn: Rs. 4148.56 Per Metric Tonnes. (ii) 25% to below 35% Mn: Rs. 7379.04 Per Metric Tonnes. Cost of Production: Rs. 3856.00 Per Metric Tonne	Sale value: Rs. 41459719.32. Ex-mine Price: (i) Below 25% Mn: Rs. 4148.56 Per Metric Tonnes. (ii) 25% to below 35% Mn: Rs. 7379.04 Per Metric Tonnes. Cost of Production: Rs. 3856.00 Per Metric Tonne	Nil.
9h	Scrutiny of Annual return on fixed assets	Asset: Zero.	Asset: Zero.	Nil.
9k	Scrutiny of Annual return on mining machineries	1. Air compressor 01 no. with 25.00 CuM/Mn capacity 2. Cack Hoe 01 no. with 0.90 CuM bucket capacity 3. Tractor 04 nos. with 40.0 H.P. capacity	1. Air compressor 01 no. with 25.00 CuM/Mn capacity 2. Cack Hoe 01 no. with 0.90 CuM bucket capacity 3. Tractor 04 nos. with 40.0 H.P. capacity	Cross verified from the machinery logbooks.

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	31/03/2023			
MCDR17	Rule 26(2)	31/03/2023			
MCDR17	Rule 31(1)	31/03/2023			
MCDR17	Rule 33	31/03/2023			
MCDR17	Rule 46(c)	31/03/2023			

Date :

(SHAIVAL KARTIKEYA)

Indian Bureau of Mines