

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/CDP/FE-10/HYD

Mine code : 30APR04006

- (i) Name of the Inspecting Officer and ID No. : **K007**) **SHAIVAL KARTIKEYA**
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine Official with Designation : Sri. Ramakrishnaiah, Director, Sri. Naryana Rao, QP
- (iv) Date of Inspection : 15-JUL-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ANJANI IRON ORE MINE**
- (b) **Registration NO.** : **IBM/5627/2011**
- (c) **Category** : **A Manual**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **CUDDAPAH**
- Village : **CHABALI**
- Taluka : **KADAPA**
- Post office : **PENDLIMARRI**
- Pin Code : **516216**
- FAX No. : **-**
- E-mail : **srianjaniminesandminerals@**
- Phone : **08562-233489,CELLNO=944125**
- (f) **Police Station** : **PENDLIMARRI**
- (g) **First opening date** : **01-APR-05**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/s ANJANI MINES & MINERALS
YELLATUR (V&PO), D.NO: 2/56
PENDLIMARRI(M) KADAPA DT.**
3. (a) **Lease Number** : **APR2478**
- (b) **Lease area** : **208.3**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **26-NOV-24**
4. **Mineral worked** : **IRON ORE** Main
- LATERITE** Associated

5. Name and Address of the

Lessee : M/S ANJANI MINES & MINERALS
 YELLATUR (V&PO)
 PENDLIMARRI(M) KADAPA DT.
 CUDDAPAH ANDHRA PRADESH
 Phone:
 FAX :

Owner : G.NARASIMHAREDDY.M.P,SRI ANJANIMINES&MINERALS
 D.NO.2/56,VELLATUR(V)PENDLI
 MARRI(M) KADAPA.DIST
 ,ANDHRAPRADESH CUDDAPAH
 ANDHRA PRADESH
 Phone: (08562)233489,C
 FAX : -

Agent : M.NAGAMALLARTEDDY
 M/S.ANJANI MINES &MINERALS
 D.NO.2/56,VELLTUR(PO)&(V)
 PENDLIMARRI(M) CUDDAPAH
 ANDHRA PRADESH
 Phone:
 FAX :

Manager
 Name : JANARDANAMBHAVANASI
 Qualification : B.Tec.MINING
 Appointment/ : 20-JAN-14
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	05-JAN-07
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	23-AUG-10

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No previous approved proposal, as the mine does not have valid approved document after 2013-14.	F.Y. 2019-20: 57 nos. of DTH boreholes with the cumulative depth of 1796.0 meters and 12 nos. of core boreholes with the cumulative depth of 384.0 meters have been drilled.	NIL
1b	Exploration over lease area for geological axis 1 or 2	-do-	Without approved document and the updates plan and sections, exploration over lease area for geological axis 1 or 2 could not be ascertained.	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	NIL	NIL
1e	Balance reserve as on 01/04/20	-do-	As on 01/04/2021 Under (111) : 1658179.00 Metric Tonnes	NIL

1f	General remarks of inspecting officers on geology, exploration etc	The topography of the area is plain and undulating. Mining lease is situated on a small mound. The mining lease area belongs to the Cuddapah Basin. The lithounits belong to the penninsula gneissic complex of Archean to Paleo-Proterozic age.	The lithounits occurring in the area are mainly Quartzites, Ferreginous Quartzites, Iron Ore Pebbles, Lateritic Iron Ores, Ferruginous Shales, Cherts and Dolomite. The iron ore is occurring as pocket type deposits in Vempalli Dolomites and Cherts at the bottom and Pulivendula Quartzites of Chitravathi Group at the top.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No previous approved proposal, as the mine does not have valid approved document after 2013-14.	NIL	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-do-	Topsoil: 01 no. Overburnden: 01 no. Mineral/Ore: 01 no.	-do-
2c	Stripping ratio or ore to OB ratio	-do-	Not applicable as NIL production has been reported for F.Y. 2020-21	-do-
2d	Quantity of topsoil generation in m3	-do-	NIL	-do-
2e	Quantity of overburden generation in m3	-do-	NIL	-do-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No previous approved proposal, as the mine does not have valid approved document after 2013-14.	NIL	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
3b	Quantity of ROM mineral production proposed	-do-	NIL	-do-
3c	Recovery of sailable/usable mineral from ROM production	-do-	NIL	-do-
3d	Quantity of mineral reject generation	-do-	NIL	-do-
3e	Grade of mineral rejects generation and threshold value declared.	-do-	NIL	-do-
3f	Quantity of sub grade mineral generation.	-do-	NIL	-do-
3g	Grade of sub grade mineral generation	-do-	NIL	-do-
3h	Manual / Mechanised method adopted for segregating from ROM	-do-	NIL	-do-

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-do-	No beneficiation study has been done during F.Y. 2020-21.	-do-
3j	Provision of drilling and blasting in mineral benches	-do-	NIL	-do-
3k	Provision of mining machineries in mineral benches	-do-	NIL	-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-do-	Could not be ascertained as no updated surface plan has been maintained.	-do-
3m	Total area covered under excavation/pits	-do-	Already exploited & abandoned by opencast (O/C) mining : 208.300 Ha. Incorrect area has been mentioned.	-do-
3n	Ore to OB ratio for the pit/mine during the year.	-do-	NIL	-do-
3o	Total area put in use under different heads at the end of year	-do-	Already exploited & abandoned by opencast (O/C) mining : 208.300 Ha. Incorrect area has been mentioned.	-do-
3p	Production of ROM mineral during the last five year period as applicable	-do-	Yr- 2016-17: NIL Yr- 2017-18: NIL Yr- 2018-19: NIL Yr- 2019-20: NIL Yr- 2020-21: NIL	NIL
3q	General remarks of inspecting officers on method of mining etc.			Mining Operation are suspended vide Order of Suspension dated 26/11/2014.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No previous approved proposal, as the mine does not have valid approved document after 2013-14.	NIL	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
4b	Location of topsoil, OB and mineral reject dumps	-do-	10 nos. of dumps are present within the lease area.	-do-
4c	Number of dumps within lease area and outside of lease area	-do-	-do-	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-	All the existing dumps are situated within the ultimate pit limit.	-do-
4e	Number of active and alive dumps.	-do-	NIL	-do-
4f	Number of dead dumps.	-do-	NIL	-do-
4g	Number of dumps established.	-do-	NIL	-do-
4h	Whether Retaining wall or garland drain all along dumps are there.	-do-	No retaining wall and garland drain have been constructed along the waste dump.	-do-
4i	Length of Retaining wall or garland drain all along dumps	-do-	-do-	-do-
4j	Number of settling ponds	-do-	No settling ponds have been constructed.	-do-
4k	Specific comments of inspecting officer on waste dump management			Mining Operation are suspended vide Order of Suspension dated 26/11/2014.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No previous approved proposal, as the mine does not have valid approved document after 2013-14.	Area not matured for reclamation and rehabilitation.	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
5b	Area under backfilling of mined out area	-do-	-do-	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-do-	NIL	-do-
5d	Total area fully reclaimed and rehabilitated	-do-	Area not matured for reclamation and rehabilitation.	-do-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mining Operation are suspended vide Order of Suspension dated 26/11/2014.

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).	Not submitted.	No PMCP work has been done during F.Y. 2020-21	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
6b	Area available for rehabilitation (ha) .	-do-	Area not matured for reclamation and rehabilitation over the worked/mined out benches.	-do-
6c	afforestation done (ha).	-do-	-do-	-do-
6d	No. of saplings planted during the year	-do-	-do-	-do-

6e	Cumulative no .of plants	-do-	NIL Plantations have been done.	-do-
6f	Any other method of rehabilitation	-do-	Not found	-do-
6g	Cost incurred on watch and care during the year	-do-	Not applicable, as no plantation has been done during F.Y. 2020-21	-do-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	-do-	Not applicable, as no backfilling has been done during F.Y. 2020- 21.	-do-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-do-	-do-	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	-do-	-do-	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-do-	-do-	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	-do-	Area not matured for reclamation and rehabilitation.	-do-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	-do-	NIL plantations have been done.	-do-

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	-do-	-do-	-do-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	-do-	-do-	-do-
6p	Compliance of environmental monitoring (core zone and buffer zone)	-do-	No environmental monitoring has been done during last five years.	-do-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mining Operation are suspended vide Order of Suspension dated 26/11/2014.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No previous approved proposal, as the mine does not have valid approved document after 2013-14.	NIL	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-do-	NIL	-do-
7c	Different grade of mineral sorted out at mines.	-do-	NIL	-do-

7d	Any beneficiation process at mines .	-do-	No beneficiation study has been done from last five years.	-do-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mining Operation are suspended vide Order of Suspension dated 26/11/2014.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No previous approved proposal, as the mine does not have valid approved document after 2013-14.	NIL	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
8b	Concurrent use or storage of topsoil	-do-	NIL	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	NIL	-do-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	NIL	-do-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	NIL	-do-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-do-	NIL plantations have been done from last five years.	-do-
8g	Survival rate	-do-	NIL	-do-
8h	Water sprinkling on roads to control airborne dust	-do-	NIL	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Mining Operation are suspended vide Order of Suspension dated 26/11/2014.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns: July 2021 Annual Returns: F.Y. 2020-21	Monthly Returns: July 2021 Annual Returns: F.Y. 2020-21	Mining Operation are suspended vide Order of Suspension dated 26/11/2014.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Not Appointed Geologist: Not Appointed Manager: Not Appointed	Mining Engineer: Not Appointed Geologist: Not Appointed Manager: Not Appointed	-do-

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited & abandoned by Opencast (O/C) mining: 208.300 Ha.	Incorrect land use pattern has been submitted.	Since the mining operations are suspended, hence, a suggestion letter regarding the deficiencies found in the returns will be communicated to the lessee.
9d	Scrutiny of Annual return on afforestation	NIL Planted	NIL Planted	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject: NIL Grade: NIL	Mineral Reject: NIL Grade: NIL	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: ROM: NIL Graded Ore: NIL	Closing Stock: ROM: NIL Graded Ore: NIL	-do-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: NIL Ex Mine Price: NIL Cost of Production: NIL	Sale Value: NIL Ex Mine Price: NIL Cost of Production: NIL	-do-
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets: NIL	Value of Fixed Assets: NIL	-do-
9k	Scrutiny of Annual return on mining machineries	NIL information has been given.	NIL	-do-

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

Date :**(SHAIVAL KARTIKEYA)**

Indian Bureau of Mines