

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** AP/ADB/LST-44/HYD

**Mine code :** 38APR01037

- (i) Name of the Inspecting : C\$10 ) Ch.Suseela  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. Md. Sardar Khan, Nominated Owner, Sri. K.Govinda  
Official with  
Designation
- (iv) Date of Inspection : 05-JUL-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : NAGARAM (7.28 HA)
- (b) **Registration NO.** : IBM/12210/2012
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : ADILABAD
- Village : NAGARAM
- Taluka :
- Post office :
- Pin Code :
- FAX No. : 08736252147
- E-mail : mancherialminerals.2m@gma:
- Phone : 08736252147
- (f) **Police Station** : MANCHERIYAL
- (g) **First opening date** : 07-MAR-93
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : 24-135, ASHOK ROAD,  
NEAR VASANT TALKIES, MANCHERIAL  
ADILABAD DIST.
3. (a) **Lease Number** : APR0331
- (b) **Lease area** : 7.28
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 02-MAR-43
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : MANCHERIAL MINERALS  
H.NO.24-135, ASHOK ROAD,  
NEAR VASANTH TALKIES,  
MANCHERIAL ADILABAD  
ADILABAD TELANGANA  
Phone:  
FAX :

Owner : MANCHERIAL MINERALS  
24-135, ASHOK ROAD,  
MANCHERIAL ADILABAD  
ADILABAD TELANGANA  
Phone:  
FAX :

6. Date of approval of Mining : Renewal under rule 24 MCR1960 20-NOV-07  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 17-NOV-16

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	8 Core Bore holes	There is a proposal of 4 core bores in the year 2016-17 and 4 core bores in the year 2017-18 and the same was not achieved in 2016-17 and 2017-18. However, 8 core bore holes were drilled during the year 2021-22.
1b	Exploration over lease area for geological axis 1 or 2	NIL	Explored 4.43 Ha in G1 scale	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	Rs.25,00,000/- (For exploration and sample analysis)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2.85 ha	2.85 ha	8 core bore holes were proposed to be drilled during the first year of the plan period i.e., 2021-22 on the periphery of the 7.5m safety zone so that the total mineralised area will come under G1 category .
1e	Balance reserve as on 01/04/20	_____	Proved Reserves (111) - 4,77,944 tonnes probable reserve(122) - 313226 tonnes	

1f	General remarks of inspecting officers on geology, exploration etc		The ML area forms part of penganga series equivalent to Kurnool series. The general trend of the deposit is NW-SE with a dip ranges from 15-20 Deg. 8 core bore holes were proposed to be drilled during the first year of the plan period i.e., 2021-22 on the periphery of the 7.5 m safety zone so that the total mineralised area will come under G1 category to satisfy the provision of Rule 12(4) of MCDR, 2017.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between Sections B-B' and E-E' RL-161 to 158 m	Development work was less than the approved proposals, as there is only 51,710 tonnes of production against the proposed production of 2,64,600 tonnes during the last 5 year period.	due to no demand
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil, only mineral benches	No top soil, only mineral benches	
2c	Stripping ratio or ore to OB ratio	NIL	0.020	
2d	Quantity of topsoil generation in m3	NIL	NIL	Thin patches of soil/morrum/soil mixed limestone rubble occurs at places and the quantum of the same is negligible.

2e	Quantity of overburden generation in m3	NIL	No overburden. Only about 2 % interburden is encountered during actual mining.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work was less than the approved proposals, as there is only 51,710 tonnes of production against the proposed production of 2,64,600 tonnes during the last 5 year period.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 pits	3 pits	
3b	Quantity of ROM mineral production proposed	59949 MT	51510 MT	
3c	Recovery of sailable/usable mineral from ROM production	98%	98%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Yes, jack hammer with compressor of 6.5 cu.m are proposed to drill blast holes. Spacing-1.5 m, Burden-1 m, Depth-3.3 m	Carried out as per the approved proposals.	
3k	Provision of mining machineries in mineral benches	Yes, Jack hammer with compressor	Yes, Jack hammer with compressor	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 3 m bench ht	Yes, 3 m bench ht	
3m	Total area covered under excavation/pits	3.7169 ha	3.28 ha	
3n	Ore to OB ratio for the pit/mine during the year.	NIL	0.020	
3o	Total area put in use under different heads at the end of year	5.2066 ha	3.58 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17--- 40,183 t, 2017-18--- 47960 t, 2018- 19---56478 t, 2019-20--- 60,030 t, 2020-21---59, 949 t	2016-17---NIL, 2017-18-- -NIL, 2018-19---NIL, 2019-20---200 t, 2020- 21---51,150 t	
3q	General remarks of inspecting officers on method of mining etc.	_____		The excavation and loading operations are carried out manually.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, for morrum admixed with Limestone rubbles	The waste generated was negligible. Hence total ROM was dispatched.	
4b	Location of topsoil, OB and mineral reject dumps	SE side of ML area	NIL	
4c	Number of dumps within lease area and outside of lease area	One	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	NIL	
4e	Number of active and alive dumps.	One	NIL	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	The anticipated waste was not generated , hence no waste dump was required.

## 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.	NIL	NIL	Not matured for back filling.

5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The area is not matured for reclamation.

#### 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).	To be submitted	NIL	Violation of Rule 26(2), 40,41 and 42 were pointed out to the lessee.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	0.003	
6d	No. of saplings planted during the year	30 plants	30 plants	
6e	Cumulative no .of plants	150 plants	130 plants	
6f	Any other method of rehabilitation	NIL	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	No proposal	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	NIL
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	30	30
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)	No proposal	NIL	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	_____

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	98 % of ROM is to be dispatched	Total ROM is being dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	
7c	Different grade of mineral sorted out at mines.	No proposal	Not Applicable	
7d	Any beneficiation process at mines	No proposal	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Mineral beneficiation is not required as total ROM is of saleable grade.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not Applicable	

8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, waste dump	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	30 plants	30 plants	
8g	Survival rate	No proposal	100	
8h	Water sprinkling on roads to control airborne dust	Yes, water sprinkling is to be carried out on haul roads	water sprinkling is being carried out on haul roads	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	The South side of ML area is Forest Land. The surrounding area of ML is afforested with Plantation.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Online monthly and Annual Returns are to be submitted regularly within stipulated time	Online monthly and Annual Returns are being submitted within stipulated time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining engineer and Geologist were appointed. Manager- Shri javid Khan	No Mining engineer and Geologist were appointed. Hence Violation of Rule 55(1)(C) (i) was pointed out to the lessee.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under pits- 3.28 ha, Dump- 0 ha, Reclaimed area-NIL	Area covered under pits- more or less equal , Dump- 0 , Reclaimed area-NIL	
9d	Scrutiny of Annual return on afforestation	1000 plants	30 plants	Mining lease area is surrounded by Forest area. Due to non operation of the mine during the first four years of the 5 year block period, the proposal could not be achieved.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	51,150 tonnes	51,150 tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs. 500/-, Ex. Mine Price- Rs.428/-, Cost of Production- 428/-	Found correct.	
9h	Scrutiny of Annual return on fixed assets	Rs. 35,000/-	Rs.35,000/-	
9k	Scrutiny of Annual return on mining machineries	Air Compressor	Air Compressor	

**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 35(2)	05-AUG-21			
MCDR17	Rule 55(1) (3)	05-AUG-21			
MCDR17	Rule 26(2)	05-AUG-21			
MCDR17	Rule 40	05-AUG-21			
MCDR17	Rule 41(1)	05-AUG-21			
MCDR17	Rule 42	05-AUG-21			

**Date :**

**(Ch.Suseela)**

Indian Bureau of Mines