

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-182/HYD

Mine code : 38APR11133

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri S.Mahanandi Reddy, Lessee and Shri PV Narayana,
Official with
Designation
- (iv) Date of Inspection : 01/02/2024
- (v) Prev.inspection date : 24/01/2021

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KAMALAPURAM (4.213 HA)**
- (b) **Registration NO.** : **IBM/23043/2020**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : KURNOOL
Village : KOTHAPETA
Taluka : DHONE
Post office : DHONE
Pin Code : 518222
FAX No. :
E-mail : subose.srungarapu@gmail.com
Phone : 9866848555
- (f) Police Station : DHONE
- (g) First opening date : 10/10/2008
- (h) Weekly day of rest : SUN
2. Address for : S.SUBOSE,
correspondance : MINE OWNER, DHONE (PO)
KURNOOL DISTRICT.
3. (a) Lease Number : APR2734
- (b) Lease area : 4.21
- (c) Period of lease : 50
- (d) Date of Expiry : 26/09/2058
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : S.SUBOSE
9-19-5-6 &7 KOTHAPETA DHONE
KURNOOL ANDHRA PRADESH
Phone:08516-221245, 9440256199
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 19/11/2007
Plan/Scheme of Mining MP modif under 17(3) MCR 2016 22/02/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	07 core boreholes in the year 2022-23	07 core boreholes were drilled during the year 2022-23.	Nil
1b	Exploration over lease area for geological axis 1 or 2	Exploration was proposed to know the depth continuity of ore body.	exploration was carried out by the lessee.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	As informed by the lessee exploration carried out by with the geologist.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was proposed to know the depth continuity of ore body.	Laterally entire area is explored under G-1 level.exploration was carried out to know the depth continuity of ore body,	Nil
1e	Balance reserve as on 01/04/20		374731 t	Lessee has submitted draft Modified mining plan to this office the same is under process.

1f	General remarks of inspecting officers on geology, exploration etc	The area is formed by the sedimentary deposit of vempalli formation and consisting of limestone and dolomite. The general strike of the formatio is East-West and dip varies from 30 to 35 degree towards South. Entire mineralized area is laterally explored under G-1 level by 9 DTH holes. However to know the depth continuity. lessee has drilled 7 numbers of boreholes
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	co-ordinates N 1699870 to 1699960 and Easting - 814930 to 815080 and N 1699750 to 1699805 and E 814960 to 815000.	Being developed as propsed.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed benches in ore only.	Benches were formed in ore only.	Nil

2c	Stripping ratio or ore to OB ratio	1:0.03	1:0.03	Nil
2d	Quantity of topsoil generation in m3	1064 cu.m	925 cu.m	The topsoil removed was utilized for making plantaion in the 7.5 mtr safety zone.
2e	Quantity of overburden generation in m3	9859 cu.m	925 cu.m	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is carried out by open cast mining method as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	Nil
3b	Quantity of ROM mineral production proposed	50000 t	52519 t	Nil
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	None	None	Entire ROM is utilized by blending.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Nil	Nil

3g	Grade of sub grade mineral generation	No proposal	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Yes proposed.	As per the proposal	Nil
3k	Provision of mining machineries in mineral benches	Yes proposed.	Using hired excavator for mining and loading activity.	Using hired excavator for mining and loading activity.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 6.00 mtr bench height	Maintained 4.00 to 5.00 mtr bench height.	The benches are suitable to the method of mining adopted.
3m	Total area covered under excavation/pits	1.396 ha.	1.40 ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.3	1:0.3	Nil
3o	Total area put in use under different heads at the end of year	Area under mining - 1.39Ha, Topsoil storage- 0.244Ha OB, dump-0.084Ha.	Area under mining =1.396 ha, waste disposal =0.084 ha, area occupied by roads 0.165 ha.	Nil

3p	Production of ROM mineral during the last five year period as applicable	2022-23=50000 t, 2021-22 80000T(50000T Limestone+ 30000T dolomite) 2020-21 13333 Tonnes(8333T limestone+5000 T dolomite) 2019-20 and 2017-18 Nil proposal	2022-23=52519 t, 2021-22 56500 T(limestone) 2020-21 to 2017-18 Nil production.	No mining operation is carried out up to 2020-21 due to financial problem and market issues.
3q	General remarks of inspecting officers on method of mining etc.			The working has been carried out along the strike of the formation. Total three pits were developed within the mining lease. Bench height was maintained within the proposed limit. Production is carried out from three pits by opencaste mining method. as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes proposed separate dumps for topsoil ,OB	Yes topsoil and OB is dumped separately.	Nil

4b	Location of topsoil, OB and mineral reject dumps	Temporary Waste dump was proposed between the co-ordinates- N1699940 to 1699945 and E 814975 to 815015, Topsoil storage was proposed near BP-09 in the 7.5 mtr safety zone. Mineral storage N1699840 to 1699855 and E 814875 to 814890.	As propped. Further, lessee submitted draft modified mining plan the same is under process.	As propped. Further, lessee submitted draft modified mining plan the same is under process.
4c	Number of dumps within lease area and outside of lease area	Three	Three	One mineral dump, one waste dump and one topsoil dump.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside the UPL.	Inside the UPL.	The lease area is very small so dumping was proposed and made within the UPL.
4e	Number of active and alive dumps.	three	Three	Topsoil and mineral dumps are temporary dumps
4f	Number of dead dumps.	None	None	Nil
4g	Number of dumps established.	None	None	Nil

4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed Reating wall and garlan drains around the waste dump.	None	The height of the dump was very leseee, so lessee has not constructed reataing wall and garland drains aound the waste dump. However, lessee has advised to construct reataing wall once dump height is increased to avoid wash off.
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4i	Length of Retaining wall or garland drain all along dumps	80m x 1.0m x1.0m	Nil	<p>The height of the dump was very lesee, so lessee has not constructed retaining wall and garland drains around the waste dump. However, lessee has advised to construct retaining wall once dump height is increased to avoid wash off.</p> <p>4i 4j 4k Status of part or full extraction of mineral from mined out area before starting backfilling. Area under backfilling of mined out area Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) Total area fully reclaimed and rehabilit</p>
4j	Number of settling ponds	None	None	Nil

4k	Specific comments of inspecting officer on waste dump management	The height of the dump was very lesee, so lessee has not constructed retaining wall and garland drains around the waste dump. However, lessee has advised to construct retaining wall once dump height is increased to avoid wash off.
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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.	No backfilling is proposed in the present plan period.	No backfilling is made in the present plan period.	Mineral is not extracted up to the proved depth, so, no backfilling was proposed and made in the present plan period.
5b	Area under backfilling of mined out area	None	None	No area is matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	Nil
5d	Total area fully reclaimed and rehabilitated	None	None	Nil

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mineral is not extracted upto the proved depth and no area is matured for backfilling, so no backfilling was proposed and made in the present plan period.
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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).	Before 1st july of every year.	Submitted.	Nil
6b	Area available for rehabilitation (ha) .	None	None	Nil
6c	afforestation done (ha).	0.053 ha.	0.052 ha.	Survival rate is very less and lessee has advised to take care of the plantation.
6d	No. of saplings planted during the year	100	100	Survival rate is very less and lessee has advised to take care of the plantation.
6e	Cumulative no .of plants	300 in the present plan period up to 2022-23	380 up to 2022-23	Suvival rate is very less and lessee has advised to take care of the plantation.
6f	Any other method of rehabilitation	None	None	Nil
6g	Cost incurred on watch and care during the year	None	None	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	None	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed environmental monitoring in core and buffer zone	Not carryied out environmental monitoring during the year 2022-23.	Lessee has advised to carryout environmental monitoring and submitt the report to this office.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Only plantation was made in the year 2022-23 and during inspection it was observed that survival rate was very less. Lessee has advised to take care of the plantation by proper monitoring.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	None	Dispatching cement grade limestone.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	Nil
7c	Different grade of mineral sorted out at mines.	Cement grade limestone and dolomite.	Dispatched cement grade limestone	Nil
7d	Any beneficiation process at mines	None	None	Nil

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Lessee is using entire ROM by blending as per the requirement of the buyer.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes proposed.	Topsoil removed separately as per the proposal and utilized for plantation work.	Nil
8b	Concurrent use or storage of topsoil	Storage spreading in the 7.5 mtr safety zone	Both concurrent use and storage	utilized for spreading in the 7.5 mtrs safety zone during plantation work.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes proposed	OB dump and mineral dumps were made separately.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	Nil

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Yes provided. Additionally lessee has made 380 plantation in the present plan period.	Survival rate is very less and lessee has advised to take care of the plantation.
8g	Survival rate	None	Less than 40%.	Survival rate is very less and lessee has advised to take care of the plantation.
8h	Water sprinkling on roads to control airborne dust	Yes proposed.	Lessee is using hired water tanker for dust suppression.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing the measures related to maintaining environmental balance. Further, during inspection it was observed that survival rate was very less. Lessee has advised to take care of the plantation by proper monitoring	During inspection it was observed that survival rate was very less. Lessee has advised to take care of the plantation by proper monitoring.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A monthly returns shall be submitted before 10 th day of every month in respect of preceding Month and an annual returns shall be submitted before 1st day of july of each year for the preceding financial year.	Submitted Annual return for the year 2022-23 and not submitted Monthly returns in time for the period April 2022 to March 2023. In this regard, Showcause notice is already issued for the same under Rule 45(7) of MCDR 2017.	Submitted Annual return for the year 2022-23 and not submitted Monthly returns in time for the period April 2022 to March 2023. In this regard, Showcause notice is already issued for the same under Rule 45(7) of MCDR 2017.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not mentioned Name of the Mining Engineer and Geologist.	Not appointed Mining Engineer and Geologist.	Violation is already pointed out for the same under Rule 55(3)(ii) of MCDR 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per annual returns submitted for the yera 2022-23, Area under current working 1.396 ha., area used for waste disposa 0.084, area occupied by roads etc=0.165 ha., area occupied by storage topo soil, mineral storage etc =0.280	Same was noticed duirng the inspection.	Nil
9d	Scrutiny of Annual return on afforestation	100 plantation with survival rate 40%.	Plantation was observed very less and lessee has advised to take care of the plantation by regular monitoring	Plantation was observed very less and lessee has advised to take care of the plantation by regular monitoring
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None.	Temporary ore/mineral stock was observed in theEastern part of the lease area	Lessee has mentioned that the ire removed from the pit temporarily stocked during unavailability of transport vehicals.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening stock: 8220, production =52519 t,	Same was cofirmed duirng the inspection.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price =Rs 402, cost of production =Rs.244 /-	Same was confirmed duirng the inspection.	Nil

9h	Scrutiny of Annual return on fixed assets	Zero	Value of fixed assets is shown as zero.	
9k	Scrutiny of Annual return on mining machineries	Only air compressor was shown	Lessee is using hired excavator for mining and loading activity.	Since the machine is hired one , details were not shown in the AR submitted for the year 2022-23. However, lessee has advised to show the details of machinery using in the mining opertaion.

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 :

(D.P.Ravi kumar)

Indian Bureau of Mines