

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

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR11133

- (i) Name of the Inspecting : 160) kalmata.M.K
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri SVVS Ramakrishna Rao, QP.
Official with
Designation
- (iv) Date of Inspection : 06-FEB-23
- (v) Prev.inspection date : 22-OCT-21

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.srunjarapu@gmail.com
- Phone : 9866848555
- (f) **Police Station** : DHONE
- (g) **First opening date** : 10-OCT-08
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : S.SUBOSE,
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-SEP-58
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-NOV-07
Plan/Scheme of Mining MP modif under 17(3) MCR 2016 22-FEB-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There was a proposal to drill 07 cor boreholes in the year 2021-22.	No such exploration was carried out by the lessee.	Violation is pointed out for the same under Rule 11(1) of MCDR 2017.
1b	Exploration over lease area for geological axis 1 or 2	Exploration was proposed to know the depth continuity of ore body.	No exploration was carried out by the lessee.	Violation is pointed out for the same under Rule 11(1) of MCDR 2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed.	None.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was proposed to known the depth continuity of ore body.	Laterally entire area is explored under G-1 level. However, in the present plan period exploration was proposed to know the depth continuity of ore body, but no such exploration was carried out by the lessee.	Violation is pointed out for the same under Rule 11(1) of MCDR 2017.
1e	Balance reserve as on 01/04/20	Reserves /resources of limestone as per the approved document dated 22.02.2021 is as follows. (In Million tonnes) Mineable reserves - 0.511 Remaining Resources - 0.107 Total: 0.618	Reserves/resources as on 01.04.2022 is as follows. (In Million tonnes) Mineable reserves - 0.454 Remaining Resources - 0.107 Total: 0.561	

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 proposed 7 boreholes in the presnt plan period and the said exploration was not carried out, so violation is pointed out for the same under Rule 11(1) of MCDR 2017.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the year 2022-23 there was proposal to work between the co-ordinates N 1699870 to 1699960 and Easting - 814930 to 815080 and N 1699750 to 1699805 and E 814960 to 815000.	It was observed that working was not carried out as per the proposal and in the Northern part of the lease area working has been extended beyond 7.5mtr safety zone.	Violation is pointed out for the same under Rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed benches in ore only.	Benches were formed in ore only.	
2c	Stripping ratio or ore to OB ratio	1:0.03 in the year 2021-22.	1:0.04 in the year 2021-22.	
2d	Quantity of topsoil generation in m3	2988 cum in the year 2021-22	600 cum in the year 2021-22.	The topsoil removed was utilized for making plantaion in the 7.5 mtr safety zone.

2e	Quantity of overburden generation in m3	9859	2276	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Lessee has opened two pits one for limestone and one for dolomite. In the limestone pit working has been extended beyond the 7.5 mtr safety zone in the Northern side of the lease area and violation is pointed out for the same under Rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits were proposed in the year 2022-23.	Two pits wer made in the year 2022-23.	Dimension of the pits is as follows: Pit no1- 239m (l) x 57m(w) x(3 to 4mtr (h), Pit No-2, 49m (l) x12m (w)x 3m(h)
3b	Quantity of ROM mineral production proposed	80000 tonnes in the year 2021-22. (50000T Limestone+ 300000T Dolomite)	56,500 tonnes	Lessee has shown entire production as limestone only.
3c	Recovery of sailable/usable mineral from ROM production	100	100	
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.	
3f	Quantity of sub grade mineral generation.	None.	None.	
3g	Grade of sub grade mineral generation	Not applicable.	Not applicable.	

3h	Manual / Mechanised method adopted for segregating from ROM	None.	None.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None.	None.	
3j	Provision of drilling and blasting in mineral benches	Yes proposed.	As per the proposal.	
3k	Provision of mining machineries in mineral benches	Yes proposed.	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	1.396Ha in the present plan period.	1.42Ha in the present plan period.	Working has been not carried out as per the proposal and violation is pointed out for the same under Rule 11(1) of MCDR 2017.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.3	1:0.04	
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- 1.42Ha, Topsoil- 0.07Ha, waste dump- 0.23Ha	

3p	Production of ROM mineral during the last five year period as applicable	2021-22 80000T(50000T Limestone+ 30000T dolomite) 2020-21 13333 Tonnes(8333T limestone+5000 T dolomite) 2019-20 and 2017-18 Nil proposal	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 two pits were developed within the mining lease one is for limestone and another for dolomite. Bench height was maintained within the proposed limit. However, in the Northern part working has been extended beyond the 7.5 mtr safety zone and violation is pointed out for the same under Rule 11(1) of MCDR 2017.		

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.	

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.	Waste dump was made between the co-ordinates:- N1699750 to 1699835 and E 814950 to 814990, Topsoil -dumped near pillar no BP-08, Mineral :- N1699840 to 1699890 and E815000 to 815050.	The dumping was not made as per the proposal, since the lessee was submitted draft Review of Mining plan for approval and actual positions were mentioned in the draft violation for the same was not pointed out as per the direction of RCOM.
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.	
4g	Number of dumps established.	None.	None.	
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 lesee, so lessee has not constructed reating wall and garland drains aound the waste dump. However, lessee has advised to construct reating wall once dump height is increased to avoid wash off.

4i	Length of Retaining wall or garland drain all along dumps	80m x 1.0m x1.0m	Nil.	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.
4j	Number of settling ponds	None.	None.	
4k	Specific comments of inspecting officer on waste dump management		The dumping was not made as per the proposal, since the lessee was submitted draft Review of Mining plan for approval and actual positions were mentioned in the draft violation for the same was not pointed out as per the direction of RCOM.	

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.	
5d	Total area fully reclaimed and rehabilitated	None.	None.	

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 Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Before 1st July of every year.	Not submitted yearly report on PMCP for the year 2021-22.	Violation is pointed out for the same under Rule 11(1) of MCDR 2017.
6c	afforestation done (ha).	0.149Ha in the year 2021-22.	0.15Ha in the year 2021-22.	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	200 in the present plan period up to 2021-22	280 up to 2021-22.	Survival rate is very less and lessee has advised to take care of the plantation.
6f	Any other method of rehabilitation	None.	None.	
6g	Cost incurred on watch and care during the year	None.	None.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None.	None.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None.	None.	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None.	None.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None.	None.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None.	None.	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None.	None.	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None.	None.	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None.	None.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed environmental monitoring in core and buffer zone.	Not carried out environmental monitoring during the year 2021-22.	Lessee has advised to carryout environmental monitoring and submit 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 2021-22 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.	Lessee is dispatching ore to the persons who are not registered with IBM. Showcause notice is issued for the same under Rule 45(7) of MCDR 2017.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None.	None.	
7c	Different grade of mineral sorted out at mines.	Cement grade limestone and dolomite.	Dispatched cement grade limestone in the year 2021-22.	
7d	Any beneficiation process at mines .	None.	None.	
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.	

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.	
8b	Concurrent use or storage of topsoil	Storage (spreading in the 7.5 mtr safety zone)	Both concurrent use and storage.	About 600 cum topsoil was generated in the year 2021-22, out of which about 500 tonnes temporarily stored in the western part of the lease area and same will be 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.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None.	None.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None.	None.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Yes provided. Additionally lessee has made 280 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.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Most of the area is degraded by mining and mining was extended beyond the 7.5 mtr safety zone also. Violation is pointed out for the same. Survival rate of the plantation is very less and lessee has advised to take care of the plantation.	

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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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 returns for the year 2021-22 and not submitted Monthly returns for the period April 2022 onwards.	Showcause notice is 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 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 2021-22, area already exploited & abonded by opencast working- 4.23Ha, Area under current working- 4.00Ha, waste disposal- 0.23Ha.	During field visit it was observed that no area is fully exploited and abonded by opencast mining. Further, the land use details provided in the AR are not matching with field observations.	Showcause notice is issued for the same under Rule 45(7) of MCDR 2017.
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.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None.	Temporary ore/mineral stock was observed in the Eastern part of the lease area.	Lessee has mentioned that the ore 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 and closing stoc:- Nil, production- 56,500 Tonnes. Graded ore (Cement Grade) - Opening and closing stock:- Opening stock: Nil, Production:- 56500T , Dispatch- 48280T and closing stock:-8220T.	As per the details given at point no.5 of part VI, total quantity dispatched is 47491tonnes only, but at point no.2 of part VI, Quantity dispatched from mine head is mentioned as 48280 tonnes.	Showcause notice is issued for the same under Rule 45(7) of MCDR 2017.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value is shown Rs 266 to 400/T, Exmine price- Rs 292/T and cost of production Rs 234/T	The exmine price mentioned is not matching with the average sale value and deductions used for computation of ex-mine price.	Showcause notice is issued for the same under Rule 45(7) of MCDR 2017.
9h	Scrutiny of Annual return on fixed assets	Zero	Value of fixed assets is shown as zero.	Violation is pointed out for the same under Rule 45(7) of MCDR 2017.
9k	Scrutiny of Annual return on mining machineries	Only air compressor was shown.	Lessee is using hired excavtor for mining and loading activity.	Since the machine is hired one , details were not shown in the AR submitted for the year 2021-22. 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
MCDR17	Rule 11(1)	03-MAR-23			
MCDR17	Rule 26(2)	03-MAR-23			
MCDR17	Rule 27(1)	03-MAR-23			
MCDR17	Rule 55(1)(3)	03-MAR-23			

Date :

(kalmata.M.K)

Indian Bureau of Mines