

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-142/HYD

Mine code : 38APR11037

- (i) Name of the Inspecting : DP09) D.P.Ravi kumar
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : S/Shri M.Sreenivasulu, Manager and Sridharbhat, QP
Official with
Designation
- (iv) Date of Inspection : 19/09/2024
- (v) Prev.inspection date : 17.03.2018

PART-I : GENERAL INFORMATION

1. (a) Mine Name : PALUKUR (S.NO.54)
- (b) Registration NO. :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : PALUKUR
- Taluka : BEGANAPALLY
- Post office : PALUKUR
- Pin Code : 518598
- FAX No. : 08516276242
- E-mail :
- Phone : 08516-273042
- (f) Police Station : NANDAVARAM
- (g) First opening date : 14/10/2001
- (h) Weekly day of rest : SUN
2. Address for : B.RAJENDRANATH, Mine owner
correspondance : D.N-10/161, At/po- Bethamcherla
Dist -Kurnool, A.P
3. (a) Lease Number : APR1272
- (b) Lease area : 4.05
- (c) Period of lease : 20
- (d) Date of Expiry : 09/04/2047
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : B. RAJENDRANATH
 B. RAJENDRANATH, H.NO:10/161
 BETHAMCHERLA, KURNOOL DT.
 KURNOOL ANDHRA PRADESH
 Phone:08516-273023
 FAX :

Owner : B. RAJENDRANATH
 MINE OWNER, H.NO:10/161
 BETHAMCHERLA KURNOOL, AP.
 KURNOOL ANDHRA PRADESH
 Phone: 08516-273042
 FAX :

Manager
 Name : B. BOREDDY
 Qualification : DIP IN MINING
 Appointment/ : 01/01/2006
 Termination date

6. Date of approval of Mining
Plan/Scheme of Mining

: Fresh under rule 22 MCR1960 → 16.11.2005
 Mining Scheme rule 12 MCDR1988 → 29.9.2016
 MP review under 17(1) MCR 2016 → 20.07.2000

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposed during the year 2023-24	None	Lessee has submitted a draft Review of Mining Plan to this office, the same is under process.
1b	Exploration over lease area for geological axis 1 or 2	None	None	Lessee has submitted a draft Review of Mining Plan to this office, the same is under process.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire mineralised area was explored under G1 level.	Entire mineralised area was explored under G1 level.	Entire mineralised area was explored under G1 level.
1e	Balance reserve as on 01/04/20		Reserves as on 01.04.2024= 79834 t (proved)	
1f	General remarks of inspecting officers on geology, exploration etc		The formation of the mineral is uniform bedded deposit with lithounits of topsoil, limestone. The entire area has been explored in G1 scale. Further lessee has submitted a draft Review of Mining Plan to this office, the same is under process.	The formation of the mineral is uniform bedded deposit with lithounits of topsoil, limestone. The entire area has been explored in G1 scale. Further lessee has submitted a draft Review of Mining Plan to this office, the same is under process.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	It was proposed to carry out between co ordinates N-1705802 to 1705865 & E205685 to 205521 excavation between	Same was observed during the inspection.	Lessee has submitted a draft Review of Mining Plan to this office, the same is under process.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in ore only.	Benches were made in ore only	Total three benches were observed having bench height is approximately 3 m.
2c	Stripping ratio or ore to OB ratio	1:0	1.0	Nil
2d	Quantity of topsoil generation in m3	None	None	Nil
2e	Quantity of overburden generation in m3	No proposals	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The entire area is mineralised & ore is fine to medium grined in nature.No OB is proposed and handed in the year 2023-24. Further, lessee has submitted a draft Review of Mining Plan to this office, the same is under process.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	No deviation.

3b	Quantity of ROM mineral production proposed	12000 T	3650 T	
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to sell to end users the entire ROM produced.	Same was confirmed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	Threshold value declared is Cao minimum 34%	No mineral reject was generated during the year 2023-24	No deviation. Further, lessee has submitted a draft Review of Mining Plan to this office, the same is under process.
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	Occasional drilling and muffle blasting will be carried out as and when required	Same is observed during the inspection.	None

3k	Provision of mining machineries in mineral benches	None	None	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Bench height of 3m and width more than bench height	Yes Bench height of 3m and width more than bench height	No comments to offer.
3m	Total area covered under excavation/pits	Area under mining 3.780 ha.	Area covered under pits is approximately 3.780 ha (Including backfilled area)	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	Nil
3o	Total area put in use under different heads at the end of year	Area under mining =3.780 ha., infrastructure =0.650 ha	Area under mining =3.780 ha., infrastructure =0.650 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19=12000 t, 2019-20=12000 t, 2020-21=12000 t, 2021-22=12000 tonnes, 2022-23 -12000 tonnes, 2023-24=12000 t	2019-20=7390 t, 2020-21=10880 t, 2021-22=12000 t, 2022-23=1370 t, 2023-24=3650 t	Nil
3q	General remarks of inspecting officers on method of mining etc.		The method of mining adopted is manual.The bench height was maintained 2.5 m to 3 m.	The method of mining adopted is manual.The bench height was maintained 2.5 m to 3 m.

Solid Waste Management - Dumping:

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 backfilling is proposed during the present plan period.	No backfilling is made during the present plan period.	Nil
5b	Area under backfilling of mined out area	None in the present plan period.	None	Earlier about 0.6 ha is backfilled.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling was proposed in the present plan period. However in the past, 0.6 ha is backfilled to restore the 7.5 m safety zone.

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 1 st July of every year.	Submitted.	Nil
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	0.097 ha	0.096 ha	Nil

6d	No. of saplings planted during the year	97 saplings	80 saplings	During the inspection it was observed that survival rate was very poor, so lessee was advised to take care of the plantation by propoer monitoring.
6e	Cumulative no .of plants	491 saplings during the plan period (from 2020-21 to 2024-24)	As on date of inspection, it was observed that total 400 saplings were existing in the lease area.	Nil
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	None	None	None
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	Previously, 7.5 m safety zone is backfilled by using the waste rock.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	None	None	None

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring of environmental parameters is proposed for core and buffer zone	Monitoring of environmental parameters such as ambient air, water quality, noise levels & vibrations etc. are being done on quarterly basis.	No comments.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The lessee is implementing all the PMCP measure proposed in the approved document.	The lessee is implementing all the PMCP measure proposed in the approved document.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The entire mineral produced is saleable to the end users	The same was noticed duirng the inspection.	No deviation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	Nil
7c	Different grade of mineral sorted out at mines.	Cement grade	Cement grade.	Nil
7d	Any beneficiation process at mines	No beneficiation was proposed.	No beneficiation was noticed duirng the inspection.	No deviation.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		There is no beneficiation process, only sorting and sizng done. Entire ore is being sold in the market after blending.	There is no beneficiation process, only sorting and sizng done. Entire ore is being sold in the market after blending.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No top soil generated during the year 2023-24	No comments to offer.
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	Earlier 7.5 m safety zone is reclaimed by backfilled.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Yes provided, lessee has planted about 400 nos. of saplings in the present plan period within the lease area.	Yes provided, lessee has planted about 400 nos. of saplings in the present plan period within the lease area.
8g	Survival rate	None	55%	Survival rate is very less, so lessee has advised to take care of the plantation by proper monitoring.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on the haul road is proposed for dust suppression.	Water sprinkling on haul roads is being done as dust suppression arrangement.	None

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The benches were maintained systematically. Retaining wall is constructed all along the lease boundary. Plantation was made in the 7.5 msafety zone. During the inspection it was observed that survival rate was less, so lesse has advised to engage man power taking care of the plantation.	The benches were maintained systematically. Retaining wall is constructed all along the lease boundary. Plantation was made in the 7.5 msafety zone. During the inspection it was observed that survival rate was less, so lesse has advised to engage man power taking care of the plantation.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The monhtly and annual returns to be submitted as required under rule 45 of MCDR, 2017	The monhtly and annual returns have been submitted timely as required under rule 45 of MCDR, 2017	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the annual return 2023-24, Mining Engineer =Shri S.Jilani , Geologist =Shri Sridharbhat, Mines manager=M.Srinivasulu.	The details furnished in the annual return are found correct.	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C)Workings :3.780 ha., Occupied ,welfare buildings & roads : 0.650 ha, Area used for waste disposal=0.012 , Area used for any orther pupose =0.010 ha.	The land degradation status furnished in he annual return is found to be in order.	Nil
9d	Scrutiny of Annual return on afforestation	80 saplings planted.	Confirmed duirng the inspection.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock =1500t, production=365 0t , despatches=450 0 t, closing stock=650 t	Same was confirmed duirng the inspection	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production=Rs 368 Ex-mine price=Rs 421/-	same was confirmed duirng the inspection	Nil
9h	Scrutiny of Annual return on fixed assets	Rs. 2000000/-	As reported by lessee.	Nil
9k	Scrutiny of Annual return on mining machineries	Air compressure	The information is found correct.	Nil

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

NIL

Date :


(D.P. Ravi Kumar)

Indian Bureau of Mines