

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-178/HYD

Mine code : 38APR11129

- (i) Name of the Inspecting : **PG01**) **P.GURUVAIAH**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri M. Sreenivasulu, Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 24-DEC-21
- (v) Prev.inspection date : 16-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHERUVUPALLI(3.255 HA)**
- (b) **Registration NO.** : **IBM/668/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : KURNOOL
Village : PALUKUR
Taluka : BANAGANAPALLI
Post office : PALUKUR
Pin Code : 518124
FAX No. : 08516-276242
E-mail : seshasaimining@yahoo.com
Phone : 08516-273042
- (f) Police Station : BANGANAPALLI
- (g) First opening date : 02-JUN-08
- (h) Weekly day of rest : SUN
2. Address for : Buggana Rajendranath
correspondance : 12/76Gollapeta, Betamcherla, Dhone
3. (a) Lease Number : APR2827
- (b) Lease area : 3.25
- (c) Period of lease : 20
- (d) Date of Expiry : 29-OCT-27
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 :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18-MAY-07
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	14-AUG-13
	:	MP modif under 17(3) MCR 2016	04-JUL-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	-
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	-
1e	Balance reserve as on 01/04/20	As on 1/04/2020 under 111 : 13,621 Metric Tonnes. 211 : 50,422 Metric Tonnes.	As on 1/04/2020 under 111 : 13,621 Metric Tonnes. 211 : 50,422 Metric Tonnes.	Updated reserves and resources obtained from Average grade of Limestone 35 to 54.11 % Cao. the latest approved document dated 4/7/2017.
1f	General remarks of inspecting officers on geology, exploration etc	The topography is more or less flat terrain , gently sloping towards East.altitude ranges from 241. to 246m above MSL and it surrounded by other mining leases.	The geological formation of the region belongs to Narji calcareous Flags member of kurnool group of rocks.The general geological sequence of rock formations Soil cover 0 . 20 m ,Murram- 0.50 to 1.50m, Limestone 6.00 to 10.00m Chert 1.00 to 2.00m the general strike direction of formations are North- East South West the Limestone bed occurs as near horizontal.	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	F.Y 2020-21 in between UTM co- ordinates N 1705923 to N 1706017 and E 205490 to E 205535 East-south of the lease area.	F.Y 2020-21 in between UTM co- ordinates N 1705923 to N 1706017 and E 205490 to E 205535 East-south of the lease area.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have seperate benches in the ore and overburden. Overburden/waste : Nil Mineral/ore :2 nos.	It was proposed to have seperate benches in the ore and overburden. Overburden/waste : Nil Mineral/ore :2 nos.	-
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	less production during F.Y 2020-21 due to Covid pandemic and lack of market demand.
2d	Quantity of topsoil generation in m3	No proposal.	Nil	-
2e	Quantity of overburden generation in m3	No proposal.	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The development production is being done through Manual method.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 no	01no	-
3b	Quantity of ROM mineral production proposed	F.Y .2020-21 : 8,000 Metric Tonnes.	F.Y .2020-21 : 8,130 Metric Tonnes.	-

3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal of mineral reject generation during F.Y.2020-21.	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	-
3g	Grade of sub grade mineral generation	No proposal.	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Nil	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	-
3j	Provision of drilling and blasting in mineral benches	Jack hammer drilling and blasting was proposed. Spacing- 1.00m Burden- 0.75m Depth of the hole-1.50m Blasting efficiency-80 %.	Jack hammer drilling and blasting was proposed. Spacing- 1.00m Burden- 0.75m Depth of the hole-1.50m Blasting efficiency-80 %.	-

3k	Provision of mining machineries in mineral benches	1. Tractor Mounted compressor no, 1. 2. Jack Hammer 01 no 3. Tractor Trailer 01 no.,	1. Tractor Mounted compressor no, 1. 2. Jack Hammer 01 no 3. Tractor Trailer 01 no.,	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain one bench height for Mineral/ore - 1.00m to 3.00m Overburden was removed separately. .	It was proposed to maintain one bench height for Mineral/ore - 1.00m to 3.00m Overburden was removed separately. .	-
3m	Total area covered under excavation/pits	.4650 ha during F.Y 2020-21	2.950 ha during F.Y 2020-21	-
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	Nil	-
3o	Total area put in use under different heads at the end of year	pit-0 .4650 Ha OB/waste - Nil others- .0.62 Ha. up to end of F.Y 2021-22.	pit-2.950 Ha OB/waste - Nil others- .0.62 Ha. up to end of F.Y 2021-22.	-
3p	Production of ROM mineral during the last five year period as applicable	2016-17-8,000 T 2017-18-8,000 T 2018-19 -8,000 T 2019-20- 8,000 T 2020-21-8,000 T	2016-17-5690 T 2017-18-5010 T 2018-19 -5150 T 2019-20- 5330 T 2020-21-8130 T	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mining is being done through the opencast B Manual method.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB/Waste has been proposed in the earmarked locations.	Separate dumping of OB/Waste has been proposed in the earmarked locations.	OB/Waste has not been generated during F.Y 2020-21.
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	Nil	OB/Waste has not been generated during F.Y 2020-21.
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	OB/Waste has not been generated during F.Y 2020-21.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	-
4e	Number of active and alive dumps.	No proposal.	Nil	-
4f	Number of dead dumps.	No proposal.	Nil	-
4g	Number of dumps established.	No proposal.	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	-
4j	Number of settling ponds	No proposal.	Nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	proposed beyond Ultimate pit Limit.

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 Proposal during F.Y. 2020-21.	NIL, Area not matured for the reclamation and the rehabilitation.	-
5b	Area under backfilling of mined out area	No proposal.	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil will be generated during plan period.	Not applicable.	-
5d	Total area fully reclaimed and rehabilitated	No Proposal during F.Y. 2020-21.	Nil -Area is not matured for reclamation and rehabilitation.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Nil

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).	It was proposed to submit annual report regularly to this office.	Annual report on environmental protection measures submitted to this office.	None.
6b	Area available for rehabilitation (ha) .	0.465 ha	0.465 ha	-
6c	afforestation done (ha).	0.05 ha	0.05 ha	None.
6d	No. of saplings planted during the year	50 nos	50 nos	None.
6e	Cumulative no .of plants	-	110 nos.	None.

6f	Any other method of rehabilitation	None.	None.	None.
6g	Cost incurred on watch and care during the year	--	Rs : 2500/ per year.	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.	None.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation 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)	It was proposed to carry out environmental monitoring in both core and buffer zone.	Environmental monitoring carried out regularly.	None.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None.	None.	All the PMCP proposals and environmental measures being carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The ROM generated is proposed to be sold for buyers with suitable specifications	The ROM generated is proposed to be sold for buyers with suitable specifications.	None.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None.	None.	None.
7c	Different grade of mineral sorted out at mines.	None.	None.	None.

7d	Any beneficiation process at mines .	None.	None.	None.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None.	None.	None.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None.	None.	None.
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.	None.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	Except for the plantation made by lessee no other vegetation was observed.	None.
8g	Survival rate	No proposal.	70%	None.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling	It was observed during the inspection that dust suppression being carried out by water sprinkling.	None.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None.	None.	None.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The Monthly and Annual returns being submitted regularly by the lessee.	None.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return for the year 2020-21, Sri Sridahr Bhat and Sri Jilani as Geologist and Mining Engineer respectively.	The same was noticed during the inspection.	None.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under pits/reclaimed are 2.950 ha	The same was observed during the inspection.	None.
9d	Scrutiny of Annual return on afforestation	It was proposed plant 50 no.s	50 no.s were planted during the year 2020-21.	None.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None.	None.	None.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The proposed ROM production was 8,000 tonnes during the year 2020-21	The actual ROM reported was 8130 tonnes	None.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price reported was Rs. 380/- per tonne	The same was verified during the inspection.	None.
9h	Scrutiny of Annual return on fixed assets	Rs : 20,00000	The same has verified.	None.
9k	Scrutiny of Annual return on mining machineries	As per Annual return 2020-21, One tipper of 10 tonnes was used for loading of mineral	The same was noticed during the inspection.	None.

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 :**(P.GURUVAIAH)**

Indian Bureau of Mines