

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 16/02/2020
- (v) Prev.inspection date : 29/11/2018

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 : 02/06/2008
- (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 : 29/10/2027
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 18/05/2007
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 14/08/2013
MP modif under 17(3) MCR 2016 04/07/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	No exploration
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	Exploration work is already completed.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	G1 Scale exploration has been done in the entire lease area
1e	Balance reserve as on 01/04/20	Proved (111) - 42931, Possible (211) - 50422	Proved (111) 37921, Possible (211) 50422.	
1f	General remarks of inspecting officers on geology, exploration etc		The formation is uniform bedded type deposit of shallow depth without dipping. The entire lease area has been explored in G1 scale by 8 trial pits.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	A-A section 1705890-170602 & 205479-205540 1705968 - 1706021 & 205499 - 205527	Mining operation found within the approved proposals	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil is to be extracted separately and stored it for future use	750 tonnes of Top soil generated during the year	
2c	Stripping ratio or ore to OB ratio	1:0.2	1:0	

2d	Quantity of topsoil generation in m3	169 Tonnes	750 Tonnes	Thickness of top soil is reported more during the year
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		Mining operations are being carried out by manual means maintaining bench height of 2.0 meters and width more than the height. The lease is consist of two non-contiguous blocks. And in one block (South) GNSS Canal is passing through the lease area and Processing plant is established in it. The Mining operations are being carried out in block on North side	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	8000 tonnes	5150 Tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	Recovery saleable mineral from ROM 100%	The entire ROM is saleable.	
3d	Quantity of mineral reject generation	No proposal	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	Manual sorting for segregation of mineral is proposed	Manual sorting for segregation of mineral is reported	
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 with tractor mounted compressor is used for drilling. Blasting is to be carried out by using High explosive with Detonators. It is incidental whenever hard rock is encounter	No Drilling and Blasting is done during the year	
3k	Provision of mining machineries in mineral benches	Jack hammer tractor tailor, Tippers/ Tractors.	Tippers/ Tractors for transportation of ore.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 meters bench height is suitable for this type of deposit	Yes, Suitable	
3m	Total area covered under excavation/pits	0.4650 ha	0.2240	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.2	1:0.0	No waste generated during the year. However, lessee considered Top soil as waste and reported in waste in the annual returns

3o	Total area put in use under different heads at the end of year	1.0850 Ha	1.0850 Ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15 : 7931 MT 2015-16 : 7931 MT 2016-17: 8,000 MT 2017-18 : 8,000 MT 2018-19 : 8,000 MT	2014-15 : 6900 MT 2015-16 : 2554 MT 2016-17:5710 MT 2017-18 : 5690 MT 2018-19 : 5150 MT
3q	General remarks of inspecting officers on method of mining etc.	Open cast B manual methoid	Manual method of mining is being practiced by maintaining bench height of 2.0 meters and width more than height. Jack hammer drill is being used for loosening the strata.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	One within lease area	One within lease area	No waste generation during the plan period, it is old dump
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	No waste dumping during the plan period	Within UPL
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	One	One	One
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	No waste dump proposal	An inactive waste dump is observed within lease area. No proposal of generation of waste is made for the year. No impact due to this dump to the surrounding area as it is old one.

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 proposal	Nil	The area has not been done fully mineral extraction
5b	Area under backfilling of mined out area	No proposal	Nil	The area has not been done fully mineral extraction
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	Nil	The area has not been done fully mineral extraction
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	The area has not been done fully mineral extraction
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Ore in the lease area has not been extracted fully, hence there is no proposal of reclamation and rehabilitation	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	It was proposed submitted on time	Submitted for thr year 2018-19	
6b	Area available for rehabilitation (ha) .	No proposal	Nil, as mineral has not yet extracted fully	
6c	afforestation done (ha).	0.05 ha	0.05 ha	
6d	No. of saplings planted during the year	50 no of plants	50 no of plants	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Rs. 2500	Rs. 5000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	The area is not matured for rehabilitation
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation 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	No area is matured for reclamation & rehabilitation
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	

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 proposasl	Nil	No area is matured for reclamation & rehabilitation
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantation is being done in the lease area along safety zone.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM produced, 8000 tones, to be dispatched	Entire ROM produced, 5150 tones, was dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting	Manual sorting	
7c	Different grade of mineral sorted out at mines.	All the ROM generated are being dispatched	All the ROM is reported dispatched, no mineral reject dump is observed	
7d	Any beneficiation process at mines	No proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Manual sizing and sorting. Entire ROM is being dispatched by suitable blending of low grade withn high grade	Manual sizing and sorting. Entire ROM is being dispatched by suitable blending of low grade withn high grade.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	169 tonnes to be removed and stack it seperately for plantation purpose	750 tonnes generated during the year is used for plantation in safety zone	
8b	Concurrent use or storage of topsoil	Restoration of safety zone	Restoration of safety zone	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 no of plants	The area is having scantation plantation. Lessee planted 50 saplings during the year to restore the safety zone	

8g	Survival rate	Not specified	70%
8h	Water sprinkling on roads to control airborne dust	Water tanker is to be deployed to sprinkle in the haul road to suppress the dust to become air-borne	Water tanker is deployed to suppress the dust
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is being done to improve aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted Monthly, Annual returns.	Submitted Monthly, Annual returns.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Brahma Naidu Mines Manager, Sri Jilani, Mining Enginner (Part time), G Harendra, Geologist (Part time).	Brahma Naidu Mines Manager, Sri Jilani, Mining Enginner (Part time), G Harendra, Geologist (Part time)	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings :2.415, Occupied by plant, buildings, residential, welfare buildings & roads :0.840	Total area Covered under current (O/C) Workings :1.0850 Ha	
9d	Scrutiny of Annual return on afforestation	50 nos of plants	50 no of plants	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not given	Not given	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	3070 MT (graded Ore)	3070 MT (graded Ore)
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value & Ex mine price is Rs. 330.00 , cost of production 219/-	Sale value & Ex mine price is Rs. 330.00 , cost of production 219/-
9h	Scrutiny of Annual return on fixed assets	Not reported	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines