

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-121/HYD

Mine code : 38APR11046

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Srinivasulu, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 18-MAR-21
- (v) Prev.inspection date : 14-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PELUKUR
- (b) **Registration NO.** : IBM/668/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : PELUKUR
- Taluka : BEGANAPALLY
- Post office : PELUKUR
- Pin Code : 518598
- FAX No. : 08516276242
- E-mail : seshasaimining@yahoo.com
- Phone : 0851627342
- (f) **Police Station** : Banganapalli
- (g) **First opening date** : 10-APR-97
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Shri B. Rajendranath,
H.N-10-161, AT/PO- BETHAMCHERLA
DISTRICT KURNOOL
3. (a) **Lease Number** : APR1272
- (b) **Lease area** : 4.05
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 09-APR-17
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/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20-JAN-95
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	09-FEB-04
		Mining Scheme rule 12 MCDR1988	16-NOV-12
		MP modif under 17(3) MCR 2016	03-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	Exploration is covered entire lease area in G1 scale.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil. So far Rs. 15000/ spent on exploration.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	Entire area is explored in G1 scale
1e	Balance reserve as on 01/04/20		Total Resources : 629603.. Tonnes Mineable Reserves : 463439 Tonnes Blocked resources 129464 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc		The formation of the mineral in this mine is uniform bedded type deposit without dipping. Exploration is done by 8 trial pits and covered entire lease area in G1 scale.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1705531 to 1705729 E 205268 to 205417	Mining operations are found within proposals	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Nil	

2c	Stripping ratio or ore to OB ratio	1 : 0	1 : 0.117	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	2000 T	Due to working in contact zone, waste is reported to be generated.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mining operations are being carried out in semi mechanized method using JCB by maintaining bench height of 3 meters	

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	100000 Tonnes	16980 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100% recovery considering Bulk density of 2.25Tonnes/cum as this is soft limestone formation	100% recovery with Bulk density of 2.25Tonnes/cum.	
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	not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sorting and sizing is proposed	Manual sorting and sizing is reported for upgradation of ore as well as for blending purpose as per requirement of industry
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 drill with tractor mounted compressor is used to drill the bore holes and blasting is by gelatin with electric detonators	Drilling & Blasting is being carried out as per approved proposals
3k	Provision of mining machineries in mineral benches	Jack hammer, tractor, JCB	Jack hammer, tractor, JCB machineries are deployed for mining
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 meters bench height is suitable by using back hoe loader of 0.3 cum boom length.	Yes, suitable
3m	Total area covered under excavation/pits	3.581 Ha	Excavation carried out within approved proposals
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0	1 : 0

3o	Total area put in use under different heads at the end of year	Area under Mining : 3.49 Ha, Roads : 0.01 Ha, Safety Zone : 0.55 Ha, Total 4.05 Ha	Broadly mining activities is being carried out within the approved area put to use.
3q	General remarks of inspecting officers on method of mining etc.		Semmi-mchanised method of mining using Back Hoe loader with tipper combination by maintaining bench height of 3.0 meters is being practised. Jack hammer drilling machine is used occasionally in hard 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	Waste generated is used for backfilling.	OB generated is being utilised for backfilling on North Eastern side of the lease area as UPL is reached in this area.
4b	Location of topsoil, OB and mineral reject dumps	There is no proposal of generation of TOp soil/ Mineral reject/ OB.	Ob generated is backfilled on mined out area on North Eastern side of lease	
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Waste generated is used for backfilling in Mined out area on North Eastern side of lease	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	no proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	

4k	Specific comments of inspecting officer on waste dump management	OB generated is being utilised for backfilling of mined out area on North-eastern side of lease.
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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.	Full extraction	2000 T of waste generated is backfilled on Mined out area on North Eastern side of lease	
5b	Area under backfilling of mined out area	No proposal during the year	About 0.01 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		On North eastern side of lease area is matured for backfilling and the waste generated is being utilised for the purpose. so far 0.5 Ha area is backfilled.	

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).	To be submitted as per proposals given for PMCP during the plan period	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	

6c	afforestation done (ha).	No proposal of afforestation on worked out benches	Nil
6f	Any other method of rehabilitation	No proposal	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring is to be carried out regularly	Monitoring is being done regularly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	100000 T of ROM ore produced is to be dispatched	16980 T of ROM ore produced was dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines	No proposal of any Beneficiation	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM generated is being sold in the market.	

 Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	However waste generated is being backfilled in Mined out area on North eastern side of lease
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal during the year	2000 T waste generated is backfilled on North Eastern side of lease	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Yes mined out area is being backfilled, so far 0.5 Ha area is backfilled.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	110 plantation is to be carried out	No plantation as no area is availale for the purpose as entire area is mineralised.	
8h	Water sprinkling on roads to control airborne dust	Yes water sprinkling arrangement to be done to suppress the dust	water tanker arrangement is there for Water sprinkling purpose	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Deposit is of shallow depth and Mined out area is being backfilled to restore the land.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly & Annual returns to be submitted regularly	Monthly & Annual returns submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager M.sreenivasulu Betamcherla Kurnool (dt) Mining Engineer in charge S JILANI [PARTIME] Geologist in charge mr.sreedhar bhat [PARTIME]	Above persons are employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings : 3.85 Ha, Occupied by plant, buildings, residential, welfare buildings & roads : 0.2 Ha	Broadly the mining activity within area reported in returns.	
9d	Scrutiny of Annual return on afforestation	Nil	nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	17,900 T of ore is reported to be stacked	Broadly found in the lease area
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price : Rs. 330.00 COP : Rs. 165.20 / Tonne	
9h	Scrutiny of Annual return on fixed assets	Rs. 2000000	As reported by lessee

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 :**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines