

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-126/HYD

Mine code : 38APR11055

- (i) Name of the Inspecting : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : B.SREENIVASULU MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 21/08/2016
- (v) Prev.inspection date : 13/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **USHB**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : KURNOOL
Village : BETHAMCHERLA
Taluka : BETHAMCHERLA
Post office : BETHAMCHERLA
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station : BETHAMCHERLA
- (g) First opening date : 09/05/1998
- (h) Weekly day of rest : SUN
2. Address for : M/S LODHI CALCIUM PRODUCTS(p)LTD.
correspondance : UNGARANIGUNDLA, DHONE MANDAL,
KURNOOL DISTRICT.
3. (a) Lease Number : APR1479
- (b) Lease area : 30.59
- (c) Period of lease : 20
- (d) Date of Expiry : 10/05/2018
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S LODHI CALCIUM PRODUCTS LTD.
 ARVIND NAGAR KURNOOL
 ANDHRA PRADESH
 Phone:
 FAX :

Owner : M/S LODHI CALCIUM PRODUCTS(P)LTD
 8/126/1 AMULVILLA, ARVIND,
 NAGAR, KURNOOL ROAD, M:DHON
 DIST:KURNOOL. KURNOOL
 ANDHRA PRADESH
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	29/09/1997
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/06/2004
		Mining Scheme rule 12 MCDR1988	31/10/2008
		MP modif under MCR 1960	07/08/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals exists.	No exploration has been carried out.	
1b	Exploration over lease area for geological axis 1 or 2	Nil	G1 Scale of Exploration over 45 % of the lease area has already been carried out.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	As said exploration has already been carried out by the lessee themselves	Expenditure incurred is Rs.5,00,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	55% of the area has been proposed	In the preceding year, there are no proposals.	The exploration proposals for remaining 55% of the area are proposed for the years 2016-17 & 2017-18.
1e	Balance reserve as on 01/04/20	3.72 Million Tonnes of UNFC code 111	3.72 Million Tonnes of UNFC code 111	The reserve estimate is as on 31.3.2016
1f	General remarks of inspecting officers on geology, exploration etc	No exploration proposals exists for the year 2015-16	However the lessee had carried out exploration by means of drilling 8 Core Boreholes covering 45% of ML area.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between coordinates N4743-4843 & E2966-3118	Development is carried out as proposed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no top soil and proposal does not exist.	-	
2c	Stripping ratio or ore to OB ratio	1:1.56	1:1.6	
2d	Quantity of topsoil generation in m3	Nil	-	

2e	Quantity of overburden generation in m3	21040	22000	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Being bedded deposit, contour striping mining is proposed	It is a sedimentary bedded deposit having gentle dip and development as proposed is carried out.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
Solid Waste Management - Dumping:				
Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	The waste dumping is proposed on the n		
4b	Location of topsoil, OB and mineral reject dumps	seperate waste dumping northern part of the ML area has been demacated.	Waste material is dumped at demacated area i.e on the northern part of the ML area.	
4c	Number of dumps within lease area and outside of lease area	One dump with in the ML area.	There exists one dump on the northern part of the ML area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The proposed dump is beyond Ultimate pit limit.	The Waste dump is beyond UPL.	
4e	Number of active and alive dumps.	One active dump	One active dump only exists.	
4f	Number of dead dumps.	Nil	-	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	A retaining wall is proposed around the waste dump	No retaining wall as proposed is constructed.	A Violation of Rule 13(1) is pointed out.

4i	Length of Retaining wall or garland drain all along dumps	190m Lx1.0m Wx1.5m H	No retaining wall of the said dimension is constructed.
4j	Number of settling ponds	Nil	-
4k	Specific comments of inspecting officer on waste dump management	One waste dump is proposed on Northern side of the ML area.	As proposed the waste dump consisting of flaggy limestone (highly siliceous nature) is dumped on the northern side of the ML area.

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 such proposal in AMP	The mineral is yet to be fully extracted	
5b	Area under backfilling of mined out area	Nil	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No concurrent proposals of top soil.	-	
5d	Total area fully reclaimed and rehabilitated	Nil	-	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposals in the AMP	-	

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).	Environmental Protective measures for the year 2015-16 have been proposed.	No protective measures have been undertaken.	A Violation of Rule 23E(2) has been pointed out.

6b	Area available for rehabilitation (ha) .	Nil	-	
6c	afforestation done (ha).	Plantation of about 300 saplings in the year 2015-16 is proposed..	No afforestation has been carried out	Violation of Rule 13(1) has been pointed out.
6d	No. of saplings planted during the year	300 saplings to be planted in the year 2015-16, .	No	plantation is done.
6e	Cumulative no .of plants	300	Nil	
6f	Any other method of rehabilitation	No proposals	-	
6g	Cost incurred on watch and care during the year	No cost figures are proposed.	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No proposals	-	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals given.	-	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No such proposals have been given	-	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals have been given.	-	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposals have been given.	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposals have been given.	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposals have been given.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental parameters monitoring proposals have been given.	Environmental parameters have been monitored.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Environmental protective measures and monitoring environmental parameters are proposed.	Environmental protective measures have not been undertaken.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposals envisaged	ROM directly dispatched to crusher and from there to Plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposals have been envisaged.	-	
7c	Different grade of mineral sorted out at mines.	No grade wise sorting is envisaged	As said the ROM directly transported to Crusher and no grade wise sorting is done.	
7d	Any beneficiation process at mines .	No beneficiation proposals envisaged.	Except physical sizing of the ROM no beneficiation is carried out.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The entire ROM is meant for crushing	Except mining losses(handling) about 10%,, there is no loss of mineral. No beneficiation is carried out except physical sizing.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil proposals with regards to utilisation.	There is no top soil in the ML area.	
8b	Concurrent use or storage of topsoil	No proposals	-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The overburden dump is proposed on the northern side of the ML area.	As proposed the overburden is dumped on the northern side of the ML area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No restoration proposals for restoration by OB, Mineral reject etc is proposed.	-	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposals are envisged.	-	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	additional plantation is prosed @0.5 ha per year.	No plantation as proposed is done.	
8g	Survival rate	Not furnished	-	

8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads is proposed.	water sprinkling of haul road is done to arrest air born dust
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Afforestation @0.5 ha per year is proposed to add aesthitic beauty around the ML area.	No afforestation as proposed is done.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The Monthly Returns should be submitted before 15th of every month in respect of preceding month and. The Annual Returns should be submitted before 1st Jul in respect of preceding year.	Monthly and Annual returns with in the stipulated period is done.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Deatils have not been furnished	Violation rule 42(1) (C) (ii) has been ponted out.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern is furnished.	There is no reclaimed area.	
9d	Scrutiny of Annual return on afforestation	No details of afforestation is furnished.	-	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No details of generation of mineral rejection is furnished.	-	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil ROM stock is furnished.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	exmine price Rs. 235/ T and production cost Rs. 147/Tis furnished.	-
9h	Scrutiny of Annual return on fixed assets	Fixed asset details have been furnished.	-
9k	Scrutiny of Annual return on mining machineries	Mining machinery is deployed on hired basis.	-

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
Rule 13(1)	05/10/2016				
Rule 23E(2)	05/10/2016				
Rule 42(1)(C)(I)	05/10/2016				
Rule 53	05/10/2016				

Date :

(M.Pratap.Reddy)

Indian Bureau of Mines