

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-175/HYD

Mine code : 38APR11120

- (i) Name of the Inspecting : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : G.SRIRAMULU GEOLOGIST
Official with
Designation
- (iv) Date of Inspection : 16/11/2016
- (v) Prev.inspection date : 05/02/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOTAPADU(663.46 HA)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village : kotapadu
Taluka : KOLIMIGUNDLA
Post office : PERUSOMULA
Pin Code : 518166
FAX No. :
E-mail :
Phone :
- (f) Police Station : KOLIMIGUNDLA
- (g) First opening date : 06/04/2008
- (h) Weekly day of rest : SUN
2. Address for : PRISM CEMENTS
correspondance : 305, LAKSHMI NIWAS, AMEERPET,
HYDERABAD-500016.
3. (a) Lease Number : APR2071
- (b) Lease area : 663.46
- (c) Period of lease : 30
- (d) Date of Expiry : 28/02/2033
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S PRISM CEMENT LTD.
 # 305, LAXMI APTS. AMEERPET
 HYDERABAD HYDERABAD
 TELANGANA
 Phone: 3413606, 3413609
 FAX :

Owner : PRISM CEMENTAS
 305, LAXMI NIVAS APARTMENTS
 AMEERPET HYDERABAD
 TELANGANA
 Phone:
 FAX :

Agent : S.RAMNATH
 PRISM CEMENTS LTD. RAHEJAS,
 MAIN AVENUE, V.P.ROAD,
 SANTACRUZ (W) MUMBAI
 (SUBURBAN) MAHARASHTRA
 Phone: 66754142
 FAX : 26001304

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	31/10/2001
Plan/Scheme of Mining		Modif.of approved Mining Plan	01/06/2009
		Mining Scheme rule 12 MCDR1988	04/09/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There exists neither backlog proposals nor proposals of explorations during 2015-16.	There is no backlog proposals of exploration exists.	
1b	Exploration over lease area for geological axis 1 or 2	G2 level of exploration.	G2 level of exploration has already been carried out.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee company. No expenditure deatails have been furnished.	Lessee company itself has carried out the exploration.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	32 core boreholes have been proposed in the five year period to convert to G1 level of exploration.	-	The proposed exploration is likely to be taken up in the fifth year i.e 2017-18.
1e	Balance reserve as on 01/04/20	124.44 Million Tonnes	124.44 Million Tonnes	No Production has been done ast the Cement plant is yet to be errected.
1f	General remarks of inspecting officers on geology, exploration etc	Simple bedded deposit with G2 scale of exploration.	It is simple sedimentary bedded deposit free from structural disturbances. The lessee company carried out G2 level of exploration.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	E1480-E1850 and N1050-E1150	No development work took place since the cement plant erection is not yet commenced	A violation of Rule 13(1) has been pointed out for not being carried out mining operations in accordance with the Approved Mining plan
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposals have been made.	There is no overburden exists except a thin mantle of soil which can be scrapped with dozer and concurrently used for afforestation.	
2c	Stripping ratio or ore to OB ratio	No such ratio is proposed.	-	
2d	Quantity of topsoil generation in m3	29,300 cum	-	
2e	Quantity of overburden generation in m3	Nil	-	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	It is proposed develop the mine in a single pit between grid lines E1480-E1850 and N1050-E1150	No development has been carried out as proposed in the approved MP.	Due to non erection of Cement plant, no development work could be takenup.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	No production is commenced in the year 2015-16 and thus there is no pit.	
3b	Quantity of ROM mineral production proposed	During the year 2015-16 a production of 1,40,000 T of cement grade limestone and 19,800 T of Flaggy Limestone is proposed..	No such production is achieved as Cement Plant is yet to be established.	

3c	Recovery of sailable/usable mineral from ROM production	No recovery loss of usable limestone is proposed.	-
3d	Quantity of mineral reject generation	There is no Mineral rejection proposals	-
3e	Grade of mineral rejects generation and threshold value declared.	There is no such proposals.	-
3f	Quantity of sub grade mineral generation.	There is no proposal of sub grade mineral generation during the year 2015-16.	-
3g	Grade of sub grade mineral generation	-	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method of segregation from ROM.	Production is yet to commence as the Cement plant is not commissioned yet.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals have been made.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The mining operations are yet to commence.
3m	Total area covered under excavation/pits	31.5 ha	3.48 ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	-
3o	Total area put in use under different heads at the end of year	32.5 ha	1.5 ha

3p	Production of ROM mineral during the last five year period as applicable	2011-12=9,60,000 T, 2012-13=44,00,000 T, 2013-14=0 T, 2014-15=0 T, 2015-16=1,59,800 T	No production is done since the Cement Plant has not yet erected.
3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised Mining is proposed.	No mining activity is commenced as Cement manufacturing unit is yet to be established.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There are no dumping proposals for OB and Mineral rejection. However a provision for stacking of Top soil gas been made.	-	
4b	Location of topsoil, OB and mineral reject dumps	E2050-E2300 and N1200-N1300	The top soil has not been removed since mining activity has not commenced yet.	
4c	Number of dumps within lease area and outside of lease area	One	None exists	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposals have been made.	-	The top soil dump is a temporary stack and it is meant for productive use of afforestation.
4e	Number of active and alive dumps.	One soil dump is proposed	No soil has been removed and as such there is no active dump exists.	
4f	Number of dead dumps.	Nil	-	
4g	Number of dumps established.	None	-	
4h	Whether Retaining wall or garland drain all along dumps are there.	No	-	

4i	Length of Retaining wall or garland drain all along dumps	No such proposals have been made	-	
4j	Number of settling ponds	Nil	-	
4k	Specific comments of inspecting officer on waste dump management	Except soil dump, there are no other dumps proposed.		The mining is yet to commence and as such there is no generation of soil.

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 proposals have been made.	-	Mining operations have not yet been commenced for want of erection of Cement Plant. Thus the question of part extraction or full extraction does not arise.
5b	Area under backfilling of mined out area	No such proposals exists.	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposals exists.	-	However, there is a cocurrent proposal of top soil for afforestation in 7.5m buffer zone.
5d	Total area fully reclaimed and rehabilitated	No such proposals exists.	-	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposals exists.		The area is not yet matured for backfilling and reclamation as the mining operations are yet to commence.

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).	Yes	Submitted	
6b	Area available for rehabilitation (ha) .	No such proposals exists.	-	There is no area available for rehabilitation.
6c	afforestation done (ha).	Yes, 1000 saplings have been proposed.	Afforestation is done by planting 1500 saplings.	
6d	No. of saplings planted during the year	1000 saplings	1500 saplings	
6e	Cumulative no .of plants	3000 saplings	2500 saplings	it is about 80% survival rate.
6f	Any other method of rehabilitation	No such proposals exists.	-	
6g	Cost incurred on watch and care during the year	No such proposals exists.	The cost reported is Rs 25000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposals exists.	-	The area is not yet matured for reclamation and rehabilitation. Moreover the mining operations are yet to commence.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable.	-	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals have been made.	Does not arise.	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposals have been made.	-	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposals exists.	-	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposals exists.	-	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposals exists.	-	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposals have been made.	Periodical monitoring of Environmental parameters has been carried both in Core and buffer zone.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Except complimentary afforestation, no other proposals have been made.	complimentary afforesation has been done.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes, proposed with in the ML area.	-	The mining operations have not yet been commenced for want of errection of Cement plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	The mining has not yet commenced.	
7c	Different grade of mineral sorted out at mines.	No such proposals exists.	-	
7d	Any beneficiation process at mines	No such proposals exists.	-	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The entire ROM is proposed for consumption. No beneficiation proposals except sizing of Limestone.	The mining operations are yet to commence.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	-	The top soil is yet to be removed as the mining operations have not yet commenced.
8b	Concurrent use or storage of topsoil	Yes	Yet to use.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, seperate dump for flaggy limestone is proposed.	-	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposals exists.	-	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposals exists.	-	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Thorny Bhuses exists. In addition to that complimentary afforestation is also proposed.	The complimentary afforestation is done.	
8g	Survival rate	80%	80%	

8h	Water sprinkling on roads to control airborne dust	Yes	-	mining operations are not yet commenced.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Complimentary afforestation proposed adds aesthetic beauty to the mining area.	As proposed the complimentary afforestation is done to add aesthetic beauty to the mining area.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return shall be submitted before the 10th of every month in respect of preceding month and an annual return which shall be submitted before the 1st July each year for the preceding Financial year	The Returns are submitted with in prescribed time limit.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be furnished.	Furnished.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished	Furnished(working area=5 ha, Area used for waste disposal=0.25 ha and other purposes=.25 ha)	
9d	Scrutiny of Annual return on afforestation	To be furnished	1500 saplings have been done.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished.	No such information is furnished as such mining is yet to commence.	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished.	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	-	Mining operations have not yet been commenced.
9h	Scrutiny of Annual return on fixed assets	To be furnished.	Value of fixed assets furnished to be Rs.75,69,87,214/-	
9k	Scrutiny of Annual return on mining machineries	To be furnished.	No mining machinery details have been furnished since mining operations are yet to commence.	

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
Rule 13(1)	06/02/2017				

Date :

(M.Pratap.Reddy)

Indian Bureau of Mines