

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KSN/LST-27/HYD

Mine code : 38APR10030

- (i) Name of the Inspecting : **M015**) **MANISH K. MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 27/02/2018
- (v) Prev.inspection date : 03/03/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BUDAWADA LIMESTONE MINES**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KRISHNA
Village : BUDAWADA
Taluka : JAGGAYYAPET
Post office : BUDAWADA
Pin Code : 521175
FAX No. : 08654285010
E-mail : bcp.secretarial@jalindia.co
Phone : 08654285011
- (f) Police Station : CHILLAKALLU
- (g) First opening date : 07/03/2012
- (h) Weekly day of rest : SUN
2. Address for : SY.NO.99,POSTBOX.NO.9,
correspondance BUDAWADA VILLAGE,JAGGAYYAPET MANDAL
KRISHNA DISTRICT
3. (a) Lease Number : APR3264
(b) Lease area : 629.22
(c) Period of lease : 30
(d) Date of Expiry : 05/03/2042
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAYPEE CEMENT LIMITED
 JA House,63, BASANT
 LOK,VASANT VIHAR, NEW
 DELHI-110057. KRISHNA
 ANDHRA PRADESH
 Phone:091(11) 26141540, 26147411
 FAX :

Owner : NAVEEN KUMAR SINGH
 SY.NO.99,POST BAG NO.9
 BUDAWADA VILLAGE,JAGGAYAPET
 MANDAL, KRISHNA DISTRICT
 KRISHNA ANDHRA PRADESH
 Phone: 08654285011
 FAX : 08654285010

Agent : PRADEEP KUMAR SHARMA
 SY.99, POST BAG.NO.9,
 BUDAWADA
 VILLAGE,JAGGAYAPET MANDAL,
 KRISHNA DISTRICT KRISHNA
 ANDHRA PRADESH
 Phone: 8654285011
 FAX : 8654285010

Mining Engineer

Name : PRAMOD KUMAR CHAUBEY,Full Time
 Qualification : B.E MINING
 Appointment/ : 07/03/2012
 Termination date

Manager

Name : MANOJ BEHARI
 Qualification : B.TECH MINING
 Appointment/ : 07/03/2012
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 28/06/2013
 MP review under 17(1) MCR 2016 28/04/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2016-17 = 45 2017-18 = 4 boreholes	45 boreholes of 2016-17 are pending and the exploration of 2017-18 by means of 4 boreholes are also not undertaken.	
1b	Exploration over lease area for geological axis 1 or 2		G1 - 380 hectare G2 - 114 ha. G3 - 135 ha.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration was done in 2016-17 & 2017-18	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	135.22 ha	Nil	249.22 ha is yet to be brought under G1
1e	Balance reserve as on 01/04/20		As per the latest approved document on 28.04.2017 Reserves as on 31/3/2017= 370.55 million tonnes Less prod'n till 31/1/2018 = 1.98 million tonnes Reserves as on 31/1/2018= 368.57 million tonnes	368.56 MT
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Western area of the lease	Western area of the lease	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	separate benches proposed	top soil and clayey pockets are worked separately.	
2c	Stripping ratio or ore to OB ratio	Ore : waste ratio 1:0.021	Ore : waste ratio 1:0.024	

2d	Quantity of topsoil generation in m3	2017-18 = 17956 cu m	2017-18 = Nil (till date)	
2e	Quantity of overburden generation in m3	2017-18 = 32529 m3	2017-18 = 19067 m3 (till date)	Yellow clayey pockets
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	2016-17=6000625 T 2017-18 =6000146 T	2016-17=1502490 T 2017-18 =1986066 T (upto 31.1.18)	Production in Feb. till 28.02.2018 - 240390 T
3c	Recovery of sailable/usable mineral from ROM production	NA	100%	
3d	Quantity of mineral reject generation	2016-17= NIL 2017-18- 21589 cu m	2016-17= NIL 2017-18- NIL(till feb 18)	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	2016-17= Nil 2017-18= 539732 T	2016-17 = Nil 2017-18= Nil	Due to use of pet coke.
3g	Grade of sub grade mineral generation		NA	
3h	Manual / Mechanised method adopted for segregating from ROM		2016-17 = Yes 2017- 18- segragation not required due to use of pet coke so far.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	No
3j	Provision of drilling and blasting in mineral benches	Large dia (163 mm) drilling and blasting with Non Electric detonators.	Large dia (163 mm and 152 mm) drilling and blasting with Non Electric detonators.
3k	Provision of mining machineries in mineral benches	HEML (diesel operated shovels and dumpers)	Three diesel operated shovels (capacity 6.5 m3) and Fourteen dumpers (capacity 55 mt)
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	41.14 ha	33.30 ha
3n	Ore to OB ratio for the pit/mine during the year.	1.0.21	1:0.024
3o	Total area put in use under different heads at the end of year	Pit 41.14 ha (for plantation) 3.88 ha Mineral Storage 1.27 ha Green Belt 6.81 ha	Pit 30.30 ha (for plantation) 3.63 ha Mineral Storage 1.27 ha Green Belt 0.76 ha over I/B dump and along with 7.5m of ML boundary.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 : 6000625 MT 2017-18=6000145 MT	2016-17 : 1502490 MT 2017-18 = 240390 MT (till 26.2.2018)

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Outside UPL	Outside UPL	No top soil or OB is there. Interburden is used for plantation of earmarked place.

4b	Location of topsoil, OB and mineral reject dumps	Northern boundary in safety zone of Rly Line	Northern boundary in safety zone of Rly Line
4c	Number of dumps within lease area and outside of lease area	One	One
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland along the dump	No
4i	Length of Retaining wall or garland drain all along dumps		----
4j	Number of settling ponds		nil
4k	Specific comments of inspecting officer on waste dump management	1600 Mtr	100 Mtr

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.	Not Proposed	NA	
5b	Area under backfilling of mined out area	Not Proposed	NA	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	NA
5d	Total area fully reclaimed and rehabilitated	Not Proposed	NA
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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 yearly	submitted	
6b	Area available for rehabilitation (ha) .	Not Proposed	NIL	
6c	afforestation done (ha).	Not Proposed	nil as no area is mature for rehabilitation.	However the regular avenue planatation has been taken up
6d	No. of saplings planted during the year	NA	nil as no area is mature for rehabilitation.	However the regular avenue planatation has been taken up
6e	Cumulative no .of plants		Complied	
6f	Any other method of rehabilitation		nil	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D		nil as no area is mature for the purpose	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings		Not applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area		nil as no area is mature for the purpose	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	---	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.		-----	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation		nil as no area is mature for the purpose	In 2016-17 NIL inside lease area and 4000 plants have been planted outside lease area.
6p	Compliance of environmental monitoring (core zone and buffer zone)		Complied	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sub grade mineral is being sorted and dumped separately	Not generated	Due to availability of petcoke and blending.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	

7c	Different grade of mineral sorted out at mines.	Not Applicable	Not generated	
7d	Any beneficiation process at mines		No process in the mines	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate dumping of soil.	No top soil. Interburden generated is stacked separately and used for plantation.	
8b	Concurrent use or storage of topsoil	NA	topsoil is being stacked separately and used for plantation along the lease boundary , behind the workshop.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of interburden and sub-grade proposed.	Interburden is dumped separately and plantation done. No sub-grade generated.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Not mature for purpose.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed during the plan period.	NA	Not mature for purpose.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2016-17 : 2160 2017-18 : 1800	Within ML 2016-17 : 0 2017-18 : 7505	Advised to undertake proper maintenance.
8g	Survival rate		88%	
8h	Water sprinkling on roads to control airborne dust		Water sprinkler is installed along the haul road in addition to water tankers for water tankers for water sprinkling to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Returns are being submitted regularly	Last annual return 2016-17 submitted by Jaypee, Monthly return in the name of M/sm Ultra Tech Cement Limited from July 2017.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Jaypee Manager : Sri Manoj Behari Mining Engineer : Sri P K Chaubey Geologist; Sri Partha Sarathi Maji	Ultra Tech. Manager Sri K N Sidda Reddy Mijning Engineer: Sri P.K. Chaubey' Geologist Sri Partha Sarathi Maji	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		land use data furnished.	
9d	Scrutiny of Annual return on afforestation		Nil inside lease area in 2016-17	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not reported	NIL generated
9f	Scrutiny of Annual return on ROM stock and/or graded ore	- NILROM 1502490 T c/b	ROM 1502490 T C/b- NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	206/- as per return	
9h	Scrutiny of Annual return on fixed assets	In order	
9k	Scrutiny of Annual return on mining machineries	In order	

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
MCDR17	Rule 11(1)	05/04/2018			

Date :

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines