

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST-24/HYD

Mine code : 38APR14030

- (i) Name of the Inspecting : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : V.RAMACHANDRAM MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 09/03/2017
- (v) Prev.inspection date : 10/02/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ANJANI**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **NALGONDA**
Village : **CHINTALAPALEM**
Taluka : **MELLA CHERUVU**
Post office : **GUDIMALKAPURAM**
Pin Code : **500082**
FAX No. : **9140-23353093**
E-mail : **vencera@hd2.vsnl.net.in**
Phone : **23353096,23353106**
- (f) Police Station : **MELLACHERVU**
- (g) First opening date : **15/12/1999**
- (h) Weekly day of rest : **SUN**
2. Address for : **CHINTAPALEM VILLAGE**
correspondance : **MELLACHERVU MANDAL**
: **NALGONDA DISTRICT**
3. (a) Lease Number : **APR0524**
- (b) Lease area : **33.99**
- (c) Period of lease :
- (d) Date of Expiry : **26/09/2013**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : M/S ANJANI PORTLAND CEMENT LTD
 SITHA NILAYAM 153
 DWARAKAPURI COLONY
 PUNJAGUTTA HYDERABAD
 TELANGANA
 Phone: 3353093
 FAX : 40-3353093

Owner : K.V.VISHNU RAJU
 153, SITANILAYAM DWARKAPURI
 COLONY, PUNJAGUTTA
 HYDERABAD TELANGANA
 Phone: 040-23353096
 FAX : 040-23353093

Agent : S.N.RAJU
 CHINTHAPALEM VILLAGE
 GUDIMALKAPURAM nALGONDA
 DIST. NALGONDA TELANGANA
 Phone: 08683-230160
 FAX : 08683-230024

Mining Engineer

Name : V.RAGHAVENDRA, Full Time
 Qualification : B.TECH(Mining)
 Appointment/ : 08/11/2007
 Termination date

Manager

Name : V.RAMACHANDRAM
 Qualification : DIPLOM IN MINING
 Appointment/ : 05/06/2007
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	02/06/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21/02/2005
		Renewal under rule 24 MCR1960	14/02/2012
		MP modif under MCR 1960	21/08/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	11 Boreholes	11 Boreholes have been drilled.	
1b	Exploration over lease area for geological axis 1 or 2	G1 scale	G1 Scale if exploration has been carried out. However with additional 4 boreholes(proposed in the year 2016-17) , the entire extent ML area becomes G1 scale of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration is proposed but no exploration agency name and expenditure details have been proposed.	JP Kordrilling Agency, Hyderabad. Expenditure incurred is Rs. 11,18,050/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	5.52 ha	5.52 ha	Exploration over this extent shall be carried out 2016-17.However as on the day of inspection, the exploration has not yet commenced.
1e	Balance reserve as on 01/04/20	12.368 Million Tonnes	13.079 Million Tonnes	The balance reserve is on heigher side as the anticipated production could not be achieved during 2015-16 due to less intake from Plant.
1f	General remarks of inspecting officers on geology, exploration etc	Simple sedimentary bedded deposit with G1 scale of exploration.	As said the deposit is simple sedimentary bedded deposit.About 90% of the ML extent his explored with G1 scale of exploration.The exploration for the remaing 10% extent is proposed in the year 2016-17, which is yet to be taken up.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Between Coordinates E4550-5020E & N9500-N10050	The mining operations were carried as proposed between coordinates E4550-5020E & N9500-N10050.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposals have been made.	-	There does not exist Top soil and overburden.
2c	Stripping ratio or ore to OB ratio	No such proposals have been made.	-	
2d	Quantity of topsoil generation in m3	No such proposals have been made.	-	
2e	Quantity of overburden generation in m3	No such proposals have been made.	-	There is no overburden exists. The Limestone is directly exposed on to surface.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Except formation of systematic benches in Limestone, no other development proposals have been made.	There is no development is involved except formation of systematic benches in Limestone. The benches have been formed systematically in the pit.	

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	15,52,000 T	8,40,500 T	The production is less than the targetted production as there was less intake from Plant.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No such proposals have been made.	There is no generation of mineral rejections	

3e	Grade of mineral rejects generation and threshold value declared.	No such proposals have been made. the Threshold value for Cao is 35%	The limestone occurring in the ML area possess +35% CaO content.	
3f	Quantity of sub grade mineral generation.	No such proposals have been made.	There is no generation of subgrade mineral.	
3g	Grade of sub grade mineral generation	No such proposals have been made.	-	
3h	Manual / Mechanised method adopted for segregating from ROM	No such proposals have been made.	Entire ROM is consumed.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals have been made.	-	
3j	Provision of drilling and blasting in mineral benches	Yes,	As proposed, provision is being made for drilling and blasting in the mineral benches (Limestone).	
3k	Provision of mining machineries in mineral benches	Yes,	Provision being done for the movement of mining machinery in mineral benches.	All the mining operations are of mechanised nature.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes,	The bench height being maintained at 6m in Limestone. There is no overburden and therefore no overburden benches.	
3m	Total area covered under excavation/pits	30 ha	about 25.5 ha	
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	
3o	Total area put in use under different heads at the end of year	Land degradation due to Mining =30.0ha Infrastructure =0.05 ha Roads-0.62 ha Green Belt-2.40 ha	land degradation due Mining = 25.50 ha Infrastructure-0.05 ha Roads-0.62 ha Green Belt-2.40 ha	

3p	Production of ROM mineral during the last five year period as applicable	2011-12= 13,65,993 T, 2012-13= 14,33,018 T, 2013-14= 16,47,035T, 2014-15= 16,51,915 T, 2015-16 = 15,52,000 T	2011-12= 9,50,000 T, 2012-13= 10,15,000 T, 2013-14 = 10,12,000 T, 2014-15=- 852949T, 2015-16= 8,40,500T.
3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised method of mining.	As proposed the mining is carried out by simple opencast mechanised method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No such proposals have been made since there exists no top soil,OB and mineral rejects..	-	
4b	Location of topsoil, OB and mineral reject dumps	No such proposals have been made.	-	
4c	Number of dumps within lease area and outside of lease area	No such proposals have been made since there exists no dumps.	-	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposals have been made.	-	
4e	Number of active and alive dumps.	No such proposals have been made	-	
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.	No such proposals have been made since there exists no dump.	-
4i	Length of Retaining wall or garland drain all along dumps	No such proposals have been made.	nil
4j	Number of settling ponds	Nil	-
4k	Specific comments of inspecting officer on waste dump management	No such proposals have been made since there exists no waste dump.	-

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 since the mineral is yet to exhaust.	-	
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 such proposals have been made.	-	
5d	Total area fully reclaimed and rehabilitated	Nil	-	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposals have been made since the mineral is continuing at depth.	-	

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).	Yes,	Not submitted. Violation of Rule 26(2) has been pointed out.	
6b	Area available for rehabilitation (ha) .	Nil	Nil.	
6c	afforestation done (ha).	0.57 ha	2.41 ha	
6d	No. of saplings planted during the year	912 saplings.	2350 saplings have been done.	
6e	Cumulative no .of plants	68,112 saplings	69,550 saplings.	
6f	Any other method of rehabilitation	None	-	
6g	Cost incurred on watch and care during the year	No cost figures have been furnished.	-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposals have been made as the mineral is yet to exhaust.	-	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposals have been made as the mineral is yet to exhaust.	-	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No such proposals have been made as the mineral is yet to exhaust.	-	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals have been made as the mineral is yet to exhaust.	-	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposals have been made since the pit is yet to exhaust.	-	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposals have been made since there is no waste land.	-	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Except Environmental protective measures, no other proposals have been made.		The ML has not matured for any back filling, reclamation and rehabilitation proposals. The environmental protective proposals have been taken care and implimented as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No such proposals have been made.	-	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposals have been made	-	Entire ROM is consumed.
7c	Different grade of mineral sorted out at mines.	No such proposals have been made.	-	
7d	Any beneficiation process at mines .	No beneficiation except sizing the ROM.	Only sizing of Limestone is done(ROM).	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The entire ROM is meant for consumption.	There is no mineral loss and as such the entire ROM is consumed.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No such proposals have been made as there is no top soil.	-	
8b	Concurrent use or storage of topsoil	No such proposals have been made.	-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No such proposals have been made as there is no OB, Waste rock, rejects and fines.	-	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposals have been made as there is no existance of OB, waste rock, mineral reject and fines etc.	-	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposals have been made.	-	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Complimentary afforestation is proposed.	There is no existance of Plants. However, complimentary afforestation is done	
8g	Survival rate	90%	75%	Survival rate is less due to lack of watch and ward.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads is proposed.	Periodical water Sprinkling is being done oh haul roads.with 10 KL Water Tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Complimentary afforesation is proposed to add aesthetic beauty in and aroud the ML area.	As proposed, complimentary afforesation is being carried out to add aesthetic beauty in and aroud the ML area.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR shall be submitted before 10th of every month in respect of preceding month. AR which shall be submitted before 1st July each year for the preceding Financial Year.	Furnished.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details to be furnished.	Furnished.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	Furnished	
9d	Scrutiny of Annual return on afforestation	-	Saples - 2350 Nos area covered - 2.41 ha.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-	-	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	-	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	Rs. 190/- per tone	
9k	Scrutiny of Annual return on mining machineries	-	Back Hoe - 1600 cum - 1 no. Back Hoe - 0.900 cum - 1 no Air compressor - 450 CFM - 1 no Rock Drill (Nonelec.) - 115 mm - 1 no. Tipper -17.0 MT - 15 nos.	

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 26(2)	22/03/2017			
MCDR17	Rule 55(1)(3)	22/03/2017			

Date :

(M.Pratap.Reddy)

Indian Bureau of Mines