

**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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI V RAMACHANDRAM, MINES MANAGER**
Official with
Designation
- (iv) Date of Inspection : 14/10/2017
- (v) Prev.inspection date : 09/03/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ANJANI**
- (b) **Registration NO.** : **IBM/8493/2012**
- (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 : **mines@anjanicement.com**
Phone : **08683230168**
- (f) Police Station : **CHINTALAPALEM**
- (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 : A SUBRAMANIAN
 NALGONDA TELANGANA
 Phone:
 FAX :

Agent : N VENKAT RAJU
 ANJANIPURAM, GUDIMALKAPURAM
 CHINTALAPALEM SURYAPET
 DISTRICT, TELANGANA STATE
 NALGONDA TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : G GANESH, Full Time
 Qualification :
 Appointment/ : 01/12/2016
 Termination date

Geologist

Name : SHEIKH NAGUR MEENA SAHIB, Full Time
 Qualification :
 Appointment/ : 02/04/2012
 Termination date

Manager

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

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	02/06/2003
		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	There was no exploration proposed during the year 2016-17.	During the year 2016-17, 04 corebore holes were made as that was the backlog from the year 2015-16. A total of 15 CBH were made in the lease.	None
1b	Exploration over lease area for geological axis 1 or 2	It was proposed that the entire area will be covered under G1 scale.	It was observed that the entire area is under G1 scale.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	An amount of Rs.11,18,050/- was incurred as expenditure towards the said drilling programme.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	The reserves as on 1.4.2017 are 13.228 Million tonnes	It was noticed that the reserves are 13.228 Million tonnes as on 1.4.2017.	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed in the approved document that the workings will be continued from the existing pit towards east of the lease.South East between gridlines E-4500 to E 4900 and N 1000 to N 9600.	The workings were noticed to be as per proposal made in the approved mining plan.	None

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have 04 benches in ore.	There are no benches in OB and 4 benches in the ore. The benches as proposed are made in the ore and as per proposal made in approved document.	None
2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	None	None	None
2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	The mining is being carried out as per proposals made in the approved document.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to carry out mining from the current single pit only.	It was observed that the mining is being carried out in single pit only.	None
3b	Quantity of ROM mineral production proposed	It was proposed to produce 1.5 Milion tonnes during 2016-17.	It was noticed that 1 million tonnes was produced duirng 2016-17.	None
3c	Recovery of sailable/usable mineral from ROM production	--	The entire ROM generated is consumed in the captive cement plant.	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None

3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to carry out seggregation by way of mechanised method.The netire ROM is taken by tippers and consumed in the captive plant.	The same was noticed.	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	It was proposed to provide provision for blasting and drilling in the mieral benches.	The same was observed duirng the inspection.	None
3k	Provision of mining machineries in mineral benches	It was proposed to maintain sufficient width on the benches for plying/using the mining machnaries	The same was noticed duirng the inspection.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 7-8 meters.	The same was observed duirng the inspection pertaining to bench height.	None
3m	Total area covered under excavation/pits	It was proposed to cover an area of 29 ha up to 2016-17.	Duirng the inspection it was observed the total area put to use under different heads is 28.57 h	None

3n	Ore to OB ratio for the pit/mine during the year.	None	None	None
3o	Total area put in use under different heads at the end of year	29 ha	28.57 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2012-13-1.4 million tonnes 2013-14-1.6 million tonnes 2014-15-1.6 million tonnes 2015-16-1.5 million tonnes 2016-17-1.5 million tonnes	2012-13-1 million tonnes 2013-14-1 million tonnes 2014-15-0.85 million tonnes 2015-16-0.84 million tonnes 2016-17-1 million tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	None	None	None

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals for dumping/waste were made.	No OB or waste is being generated.	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None

4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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 proposal for reclamation was made as no area has become mature for reclamation during 2016-17.	Duirng the inspection it was observed that no reclamation was carried out duirng 2016-17.	None
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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).	It was proposed to submit all statutory returns in time.	The Annual report under Rule 26(2) of MCDR,2017 was submitted.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	It was proposed to plant 912 no.s duiring the year 2016-17.	It was observed that duiring the year 1500 no.s were planted.	None
6d	No. of saplings planted during the year	912 was proposed	1500 no.s planted.	None
6e	Cumulative no .of plants	--	12,780 no.s were planted cumulatively.	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	--	it was reported by the lessee that an amount of Rs.5 Lakhs was incurred towards watch and ward duiring the year 2016-17.	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	None	None	None

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	All the environmental parameters in the core and buffer zone are proposed to be monitored every quarter.	It was noticed that all the environmental parameters are being monitored every quarter and it was observed that all the parameters are within the permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 1.5 Million tonnes during 2016-17.	It was observed that 1 Million tonnes was produced during 2016-17.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	None	Entire ROM is being used for consumption in the captive plant of the lessee.	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no proposal for generation of topsoil	None	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	There were no proposal made for phased restoration/reclamation	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	There is existingshrubs ,bushes existitng in the lease.	It was observed duirng the inspection that the entire are other area degrade is covered by shrubs and other vegetation.	None
8g	Survival rate	80%	80%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed that dust suppression will be done by water sprinklers.	It was noticed duirng the ispection that dust suppression is being carried out by water sprinklers.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	--	All the Monthly and Annual returns are being submitted regularly.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	In the Annual return it was mentioned that Sri V Ramachandram as Mines Manager, Sri G Ganesh as Mining Engineer and Sri Sheikh Nagur Meena as the Geologists appointed.	Duirng the inspection it was observed that the above mentioned are working in the Mine	None

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under current workings are 24.884 ha, plants, buildings are 0.670 ha, green belt and others are 3.860 ha	The above mentioned area under put to use was observed during the inspection.	None
9d	Scrutiny of Annual return on afforestation	It was reported in the Annual returns 2016-17 are about 1550 planted inside mining lease area and 800 outside the lease area.	The same was observed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation was reported	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	In the Annual return 2016-17 it was reported that 1020897 tonnes of ROM was produced.	During the inspection it was noticed the same was produced.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	In the Annual Return 2016-17, it was reported that Rs.190/- was the PMV	During the verification of the Annual return the same was observed.	None
9h	Scrutiny of Annual return on fixed assets	In the Annual return 2016-17 the value of fixed assets was reported as Rs.26052	The same could not be verified.	None

9k	Scrutiny of Annual return on mining machineries	It was reported in the Annual return that One BackHoe of 1.6 Cum and One of 0.9 Cu.m, One Air compressor, One Wagon Drill of 115 MM Dia, 15 Tippers and three pumps are in use.	The same was observed during the inspection.	None
----	---	---	--	------

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

Date :**(A.V.Ramesh Kumar)**

Indian Bureau of Mines