

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST-33/HYD

Mine code : 38APR14052

- (i) Name of the Inspecting : **RA15**) **Rajesh Kumar Das**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 10/02/2016
- (v) Prev.inspection date : 23/08/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GUDIMALKAPURAM(4.75 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **NALGONDA**
Village : **GUDIMALKAPURAM**
Taluka : **MELLACHERUVU**
Post office : **GUDIMALKAPURAM**
Pin Code : **508246**
FAX No. : **08683-230024**
E-mail : **vr@anjanicement.com**
Phone : **08683-230168**
- (f) Police Station : **MELLACHERVU**
- (g) First opening date : **09/05/2009**
- (h) Weekly day of rest : **SUN**
2. Address for : **CHINTAPALEM VILLAGE**
correspondance : **GUDIMALKAPURAM POST**
MELLACHERVU VILLAGE
3. (a) Lease Number : **APR2903**
- (b) Lease area : **4.75**
- (c) Period of lease : **20**
- (d) Date of Expiry : **29/10/2028**
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

Mining Engineer

Name : J.SREENIVASA RAJU,Full Time
Qualification : B.E (MINING)
Appointment/ :
Termination date

Manager

Name : SRI V.RAMACHANDRAM
Qualification : DIPLOMA IN MINING ENGINEERING
Appointment/ :
Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 20/01/2015
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	02 nos core bore holes.	Nil	The exploration proposed for 2014-15
1b	Exploration over lease area for geological axis 1 or 2	02 nos core bore holes in 2014-15	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	After completion of 02 bore holes as proposed in 2014-15 broadly area covered under G1 axis.	
1e	Balance reserve as on 01/04/20	1.351 million ton	1.351 million ton	
1f	General remarks of inspecting officers on geology, exploration etc		In the lease area 4 nos core bore holes reported and the limestone in area is silicious limestone.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-NW side of ML	As per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	no overburden bench and 2 benches in mineral	working as per proposal.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The deposit is stratified deposit and the excavation is mostly done in first bench and in second excavation is very less as observed.
----	---	---

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	136899 MT for the year 2014-15	210000 MT	
3c	Recovery of sailable/usable mineral from ROM production	136899 MT for the year 2014-15	136899 MT for the year 2014-15	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	The material is silicious limestone but entire ROM is directly feed in crusher blend with limestone from other lease of the lessee as reported.
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	The study has been carried out from NCCBM for the percentage of blenble material of this lease(pit-3) with other lease(pit-1 & pit-2) of the same lessee to satisfy the raw mix design.
3j	Provision of drilling and blasting in mineral benches	drilling is proposed with 115 mm diameter drill and blasting using booster & ANFO in 20:80	As per the proposal.	
3k	Provision of mining machineries in mineral benches	proposal given with hydraulic excavator of 0.9 cu.m capacity and tippers of 17 tons capacity.	As per the proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposal is given for 4 meter bench height in mineral as there is no overburden or top soil bench and the height of bench is suitable for the proposed machinery.	The of the bench in mineral is 3-4 meter and is suitable for proposed method of mining.	
3m	Total area covered under excavation/pits	1.956 Ha.additional area proposal is given for scheme period i.e. 2013-18 and earlier0.642 ha. already broken up.	2.0 ha broken (approx)	
3n	Ore to OB ratio for the pit/mine during the year.	NA	No OB generation.	

3o	Total area put in use under different heads at the end of year	1.951 forpit and no specific area given in other head yearwise.	As per proposal.
3p	Production of ROM mineral during the last five year period as applicable	2014-15---136899 MT,2013-14----no proposal as there is no approved document,2012-13---150300 MT,2011-12---150300 MT,2010-11---150300 MT	21010-11---1000 MT 2011-12---4500 MT 2012-13---1000 MT 2013-14---38470 MT 2014-15---21000 MT
3q	General remarks of inspecting officers on method of mining etc.	opencast method with drilling and blasting and shovel -tipper combination proposed	The method of mining is opencast method by deephole dring and blasting and maintaining bench height of 3-4 meter.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.			

4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	NA	There is no waste generation there waste manage not applicable.

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.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	topsoil generation is negligible.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	As there is no waste generation and all the material is blending with other material and feeded to crusher therefore no scope for backfilling.	

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).			Not submit as per record.	
6b	Area available for rehabilitation (ha) .	Nil		Nil	
6c	afforestation done (ha).			Nil	
6d	No. of saplings planted during the year			Nil	
6e	Cumulative no .of plants			Nil	
6f	Any other method of rehabilitation	NA		NA	
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	NA		NA	Area no matured for reclamation .
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA		NA	Area not mature for backfilling and mostly first bench working going on.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA		NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA		NA	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation		No plantation done in lease area.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring	as per proposal.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	No gradewise sorting done in ML area.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	

7d	Any beneficiation process at mines .	NA	NA	No beneficiation done at mines only the rom feed into crusher for sizing.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The ROM directly used for cement and no waste generation observed.		No beneficiation done at mines only the rom feed into crusher for sizing.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It is envisaged to generate about 3900 cu.m. of top soil in scheme period i.e. 2013-18	The top soil generation is negligible.	
8b	Concurrent use or storage of topsoil	temporarily dump in N21088-E14855 covering an area 0.75 ha.	The top soil generation is negligible.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	There is no generation of waste,OB and reject and ROM generated feed into crusher.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	180 nos sapling yearwise proposal given.	During mine visit no offorestation observed.
8g	Survival rate	NA	NA
8h	Water sprinkling on roads to control airborne dust	Water tanker of 10 Kl is proposed for water sprinkling.	As reported water tanker is used for dust suppression
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No adverse impact observed on aesthetic beauty .

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted upto january 2016 and annual return upto 2014-15		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Sri J.Srinivasa Raju,Geologist -Sri Sk.Nagur Meera saheb,Manager- Sri J.Srinivasa Raju	During scruitny of Annual Return it was observed that Mining Engineer- Sri J.Srinivasa Raju,Geologist-Sri Sk.Nagur Meera saheb is common for two lease,pit-1 & pit-3.	Violation pointed out under Rule 42 of MCDR,1988.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	broken up area fot pit-0.75 ha.(2014-15) and rest nil		
9d	Scrutiny of Annual return on afforestation	Nil	no plantation done.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil		

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. mine price-165 Rs and sale value -nil(limestone is used for captive use.
9h	Scrutiny of Annual return on fixed assets	At the begining of the year -Rs 20992,addition al during year-308 Rs,depreciatio n during year-954 Rs.
9k	Scrutiny of Annual return on mining machineries	Backhoe one (non electrical),ti pper four of 17 cu.m(Non electrical),Air compressor.

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)	18/02/2016				
Rule 23E(2)	18/02/2016				
Rule 42(1)(b)(ii)	18/02/2016				

Date :**(Rajesh Kumar Das)**

Indian Bureau of Mines