

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-4(A)/HYD

Mine code : 38APR11014

- (i) Name of the Inspecting : **PG01**) **P.GURUVAIAH**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri C. Srinivas Reddy, Asst. Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 15/10/2016
- (v) Prev.inspection date : 19/07/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KANDIKAYAPALLI(879.36AC)I**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village : KANDIYAPALLI
Taluka : NANDYAL
Post office : CEMENT NAGAR
Pin Code : 518206
FAX No. : 9085160274644,9949911641,9
E-mail : panyam cements @gmail.com
Phone : 08516-74638.
- (f) Police Station : PANYAM
- (g) First opening date : 15/08/1958
- (h) Weekly day of rest : SUN
2. Address for : C I INDUSTRIAL ESTATE ,BOMMALA SATRAM
correspondance : NANDYALA, KURNOOL DIST ,ANDHRAPRADESH
3. (a) Lease Number : APR1477
- (b) Lease area : 338.87
- (c) Period of lease : 20
- (d) Date of Expiry : 20/05/2001
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : PANYAM CEMENTS&MINERALINDUSTRIESLTD
 BUGGANIPALLI CEMENTNAGAR
 R.S.(SCR) KURNOOL DIST.
 KURNOOL ANDHRA PRADESH
 Phone:08516 - 74838.
 FAX :74644

Owner : S.SREEDHER REDDY
 C I INDUSTRIAL
 ESTATE,BOMMALASATRAM
 NANDYALA,KURNOOL DIST
 ANDHRAPRADESH KURNOOL
 ANDHRA PRADESH
 Phone: 08514-222274
 FAX : 08514-243106

Agent : SRI G.S. SAINATH
 PANYAM CEMENTS , CEMENT
 NAGAR KURNOOL DISTRICT
 ANDHRAPORADESH KURNOOL
 ANDHRA PRADESH
 Phone: 9949911411, 9440890504
 FAX : (08516) 274644

Manager

Name : K.SANTHOSH KUMAR.
 Qualification : DIPLOMA IN MINING & F.C.C.
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	18/12/1991
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	18/01/2001
	:	Renewal under rule 24 MCR1960	04/12/2006
	:	Mining Scheme rule 12 MCDR1988	24/03/2009

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
1e	Balance reserve as on 01/04/20	No proposal.	proved (111) = 47.67 Million Tonnes. Probable (122) =2.00 Million Tonnes.	Mining scheme is due so V/L cum show cause notice issued to the party.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal.	In Lease No 2.	Mining scheme is due so V/L cum show cause notice issued to the party.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal.	4 benches in ore with 9m height and 77m depth. In lease No 2. 5 benches in O.B with 9m height and 47m depth.	Mining scheme is due so V/L cum show cause notice issued to the party.
2c	Stripping ratio or ore to OB ratio	No proposal.	1 : 1.5	Mining scheme is due so V/L cum show cause notice issued to the party.

2d	Quantity of topsoil generation in m3	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
2e	Quantity of overburden generation in m3	No proposal.	48,265 Tonnes	Mining scheme is due so V/L cum show cause notice issued to the party.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No proposal.	4 benches in ore with 9m height and 77m depth. In lease No 2. 5 benches in O.B with 9m height and 47m depth.	Mining scheme is due so V/L cum show cause notice issued to the party.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal.	2 pits	Mining scheme is due so V/L cum show cause notice issued to the party.
3b	Quantity of ROM mineral production proposed	No proposal.	3,67,370 tonnes.	Mining scheme is due so V/L cum show cause notice issued to the party.
3c	Recovery of sailable/usable mineral from ROM production	No proposal.	3,67,370 Tonnes.	Mining scheme is due so V/L cum show cause notice issued to the party.
3d	Quantity of mineral reject generation	No proposal.	48265 T	Mining scheme is due so V/L cum show cause notice issued to the party.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
3f	Quantity of sub grade mineral generation.	No proposal.	50,000 Tonnes.	Mining scheme is due so V/L cum show cause notice issued to the party.

3g	Grade of sub grade mineral generation	No proposal.	33 to 43 % cao is sub grade.	Mining scheme is due so V/L cum show cause notice issued to the party.
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Mechanised.	Mining scheme is due so V/L cum show cause notice issued to the party.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
3j	Provision of drilling and blasting in mineral benches	No proposal.	Staggered method.	Mining scheme is due so V/L cum show cause notice issued to the party.
3k	Provision of mining machineries in mineral benches	No proposal.	2 proclains, 10 dumpers, 1 drilling mechine.	Mining scheme is due so V/L cum show cause notice issued to the party.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal.	10 m O.B, 10 m ore.	Mining scheme is due so V/L cum show cause notice issued to the party.
3m	Total area covered under excavation/pits	No proposal.	83.84 ha.	Mining scheme is due so V/L cum show cause notice issued to the party.
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	1 : 1.5	Mining scheme is due so V/L cum show cause notice issued to the party.
3o	Total area put in use under different heads at the end of year	No proposal.	yes.	Mining scheme is due so V/L cum show cause notice issued to the party.

3p	Production of ROM mineral during the last five year period as applicable	2011-12 =3,003,324 T ; 2012-13 =3,038,575 T; 2013-14 = 3,035,250 T 2014-15 =No proposal.; 2015-16 =No proposal.	2011-12 =6,01,371 T ; 2012-13 =2,42,505 T ; 2013-14 =1,48,920 T. 2014-15 =1,94,990 T. 2015-16 =3,67,370 T.	Mining scheme is due so V/L cum show cause notice issued to the party.
3q	General remarks of inspecting officers on method of mining etc.	Open cost fully mechanised method.	open cost fully mechanised method.	Mining scheme is due so V/L cum show cause notice issued to the party.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal.	yes, Separate dumping for OB and mineral rejects.	Mining scheme is due so V/L cum show cause notice issued to the party.
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	South and south western side on non mineralised area.	Mining scheme is due so V/L cum show cause notice issued to the party.
4c	Number of dumps within lease area and outside of lease area	No proposal.	five dumps with in mining lease area.	Mining scheme is due so V/L cum show cause notice issued to the party.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	South and South western side on non mineralised area at five places.	Mining scheme is due so V/L cum show cause notice issued to the party.
4e	Number of active and alive dumps.	No proposal.	4 dumps are alive and One dump is active.	Mining scheme is due so V/L cum show cause notice issued to the party.
4f	Number of dead dumps.	No proposal	3 dead dumps.	Mining scheme is due so V/L cum show cause notice issued to the party.
4g	Number of dumps established.	No proposal.	5 dumps	Mining scheme is due so V/L cum show cause notice issued to the party.

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
4j	Number of settling ponds	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
4k	Specific comments of inspecting officer on waste dump management	No proposal.	old dumps are rehabilitated by afforestation.	Mining scheme is due so V/L cum show cause notice issued to the party.

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.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
5b	Area under backfilling of mined out area	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
5d	Total area fully reclaimed and rehabilitated	No proposal.	5.78 ha	Mining scheme is due so V/L cum show cause notice issued to the party.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Rehabilitation of waste land 5.78 ha by back filling.	Mining scheme is due so V/L cum show cause notice issued to the party.

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).	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
6b	Area available for rehabilitation (ha) .	No proposal.	131.69 ha	Mining scheme is due so V/L cum show cause notice issued to the party.
6c	afforestation done (ha).	No proposal.	15 ha	Mining scheme is due so V/L cum show cause notice issued to the party.
6d	No. of saplings planted during the year	No proposal.	100 nos	Mining scheme is due so V/L cum show cause notice issued to the party.
6e	Cumulative no .of plants	No proposal.	8250 nos	Mining scheme is due so V/L cum show cause notice issued to the party.
6f	Any other method of rehabilitation	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	-	Mining scheme is due so V/L cum show cause notice issued to the party.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	5.78 ha	Mining scheme is due so V/L cum show cause notice issued to the party.

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	25.85 ha	Mining scheme is due so V/L cum show cause notice issued to the party.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	15.00 ha.	Mining scheme is due so V/L cum show cause notice issued to the party.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	5.78 ha	Mining scheme is due so V/L cum show cause notice issued to the party.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Back filling.	Mining scheme is due so V/L cum show cause notice issued to the party.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal.	core zone.	Mining scheme is due so V/L cum show cause notice issued to the party.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal.	With in the lease.	Mining scheme is due so V/L cum show cause notice issued to the party.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	Mechanical	Mining scheme is due so V/L cum show cause notice issued to the party.
7c	Different grade of mineral sorted out at mines.	No proposal.	yes.	Mining scheme is due so V/L cum show cause notice issued to the party.
7d	Any beneficiation process at mines .	No proposal.	yes	Mining scheme is due so V/L cum show cause notice issued to the party.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal.	The low grade limestone produced in the from the mine is blended with the high grade materials in the process of cement making.	Mining scheme is due so V/L cum show cause notice issued to the party.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
8b	Concurrent use or storage of topsoil	No proposal.	Nil	Mining scheme is due so V/L cum show cause notice issued to the party.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	yes	Mining scheme is due so V/L cum show cause notice issued to the party.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	yes	Mining scheme is due so V/L cum show cause notice issued to the party.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	25.85 ha	Mining scheme is due so V/L cum show cause notice issued to the party.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal.	15.00ha	Mining scheme is due so V/L cum show cause notice issued to the party.
8g	Survival rate	No proposal.	100%	Mining scheme is due so V/L cum show cause notice issued to the party.
8h	Water sprinkling on roads to control airborne dust	No proposal.	Not applicable	Mining scheme is due so V/L cum show cause notice issued to the party.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal.	Except degraded area rest of the area is not disturbed.	Mining scheme is due so V/L cum show cause notice issued to the party.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	yes	Mining scheme is due so V/L cum show cause notice issued to the party.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	yes	Mining scheme is due so V/L cum show cause notice issued to the party.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	yes	Mining scheme is due so V/L cum show cause notice issued to the party.
9d	Scrutiny of Annual return on afforestation	yes	yes	Mining scheme is due so V/L cum show cause notice issued to the party.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	Mining scheme is due so V/L cum show cause notice issued to the party.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	3,67,370 T	Mining scheme is due so V/L cum show cause notice issued to the party.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Rs=213/	Mining scheme is due so V/L cum show cause notice issued to the party.
9h	Scrutiny of Annual return on fixed assets	yes	yes	Mining scheme is due so V/L cum show cause notice issued to the party.
9k	Scrutiny of Annual return on mining machineries	None	None	Mining scheme is due so V/L cum show cause notice issued to the party.

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 12(3)	15/11/2016				
Rule 13(1)	15/11/2016				

Date :

(P.GURUVAIAH)

Indian Bureau of Mines