

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

**MCDR INSPECTION REPORT
Hyderabad regional office**

Mine file No : AP/ANP/L.ST-27/ HYD

Mine code : 38APR02032

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 15-FEB-19
- (v) Prev.inspection date : 07-MAR-18

PART-I : GENERAL INFORMATION

1. (a) Mine Name : GUDIPADU (392.62 HA)
- (b) Registration NO. :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : ANANTAPUR
Village : GUDIPADU
Taluka : YADIKI
Post office : YADIKI
Pin Code : 515408
FAX No. : 98481-72059(works)040--233.
E-mail : Projects@pennacements.com,
Phone : (08558)279833(w)040-233539.
- (f) Police Station : Yadiki
- (g) First opening date : 21-JUL-07
- (h) Weekly day of rest : SUN
2. Address for : BOYIREDDYPALLI (V) CHINTALAYAPALL (PO) KAMALAPADU
correspondance YADIKI (M) ANANTAPUR, DIST.A.P.REGD.OFF: PLOTNO70
ROADENO:3, BANJARAHILLS. HYDERABAD-500034 A.P,
3. (a) Lease Number : APR2353
- (b) Lease area : 392.78
- (c) Period of lease : 20
- (d) Date of Expiry : 15-JUL-27
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : PENNA CEMENT INDUSTRIES LTD
PLOTNO.703,
SRINIKETANCOLONYROADNO.3
BANJARAHILLS.HYDERABAD
HYDERABAD TELANGANA
Phone:08558, 86055,86066
FAX :08558-86044

Owner : K.NAGARAJU
M/S PENNA CEMENT INDUSTRIES
LIMITED BOYAREDDIPALLI
VILLAGE, YADIKI MAND
ANANTPUR DISTRICT ANANTAPUR
ANDHRA PRADESH
Phone: 08558-285158
FAX :

Agent : P.VENUGOPAL REDDY
M/S PENNA CEMENTT
INDUSTRIES LTD. PLOT
NO.705, ROAD NO.3 HYDERABAD
HYDERABAD TELANGANA
Phone: 040-44565100
FAX : 040-23355941

Mining Engineer

Name : K.NAGARAJU, Full Time
Qualification : L.M.E.
Appointment/ : 23-JUN-11
Termination date

Geologist

Name : K RAMBABU, Full Time
Qualification : M.Sc.,
Appointment/ : 25-JUL-08
Termination date

Manager

Name : P.V.K.YADAV
Qualification : AMIE
Appointment/ : 09-APR-09
Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	25-JUN-09
		Mining Scheme rule 12 MCDR1988	01-FEB-13
		MP review under 17(1) MCR 2016	27-MAR-17

2a	Location of development w.r.t. lease area	Pit 1 N50300-E50820 N49850-E50815 N49860-E50180 N50280-E50150 Pit 2 N-50140 E-51450 N-49830 E-51450 N-49860 E-50860 N-50140 E-51000	Within in approved proposal area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches to be maintained in top soil & Minerals	Seperate bench in TOP Soil and Mineral is maintained	
2c	Stripping ratio or ore to OB ratio	1 : 0.026	1 : 0	
2d	Quantity of topsoil generation in m3	40170 CUM	1220 m3	
2e	Quantity of overburden generation in m3	19462 cum of waste to be generated	No waste generated as mining operation is carried out in mineral benches only	Intercalated waste is anticipated in mineral benches but not encountered during actual exploitation
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development of pit is being carried out by maintaining bench height of 10 m and width 20 meters.	9.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	2261538		

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	Lessee	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal for the year	Most of the lease area has been explored by 147 no. of bore holes in 200 X 200, 200 X 400 grid interval with 2649 meterage. minimum depth of 2.1 mtrs to maximum of 39 m up to shally pink limestone (up to 2 m in pink shaly limestone)	
1e	Balance reserve as on 01/04/20	107.63 MILION TONNES	109.78 Million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc		The entire lease area is Limestone bearing, the block cotton soil in the lease area is overlying the Limestone occuring in thickness from 0.3 meters to 1.5 meters. The General Strike of the Limestone beds is WNW to ESE with low dips of 3 to 6 degree due North/ North westerly Majority of mineralised area has been explored under 200 x 200 m interval	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes it was proposed to maintain OB and Top Soil dump separately	Old low grade stack is found dumped separately. and Top soil generated is being utilised concurrently for plantation and No OB is generated	
4b	Location of topsoil, OB and mineral reject dumps	Top soil to be utilised for plantation Low grade ore N 49650 E-50200 Sub grade N-49450 E-49800	Top soil has been utilised for plantation, Low grade ore found dumped in the ear marked area	
4c	Number of dumps within lease area and outside of lease area	No proposal	No waste dump found in the lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL, One low grade dump found within UPL but of small quantity which is reported to being utilised for blending with high grade ore.	
4e	Number of active and alive dumps.	Two, Low grade ore & sub grade ore dump	Low grade & sub-grade dump which are active	
4f	Number of dead dumps.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Provide to prevent wash off of dump	Found maintained along bottom periphery of dump	
4i	Length of Retaining wall or garland drain all along dumps		all along bottom periphery of dump was maintained, about 200mtrs	length .
4j	Number of settling ponds	No proposal	Nil	

4k	Specific comments of inspecting officer on waste dump management	Proposal to generate top soil, low grade ore and sub grade dumps	Top soil, low grade ore generated is being satacked in earmarked area as per proposal and retaining wall was maintained to prevent wash off of low grade material
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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.		A present, two no. of pits are opened for quality purpose and have not been reached their ultimate depth. Hence there is no possibility of backfilling/ Reclamation.	
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)	Noproposal of utilisation of top soil for restoration	Top soil generated is being utilised for plantation in Safety zone area, along haul road, colony area etc.	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal	A present, two no. of pits are opened for quality purpose and have not been reached their ultimate depth. Hence there is no possibility of backfilling/ Reclamation.	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Should be submitted to RCOM before 1st July.	Submitted
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	2.50 Ha	2.02 Ha
6d	No. of saplings planted during the year	2250	1995
6e	Cumulative no .of plants		12500
6f	Any other method of rehabilitation	No proposal	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring in respect of Ambient air quality, Noise, water quality etc. needs to be carried out.	Regular monitoring is being carried out and reports are maintained in the mine.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Yearly report in respect of PMCP has been submitted, Regular monitoring in respect of AAQ, Noise, Water etc. is being carried out. Top soil generated is being used for plantation within and outside lease area. No area is maturated for reclamation.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	2150325 MT	1099450 MT of limestone was dispatched to cement plant during the year 2017-18.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised method is proposed	Mechanised method is adopted
7c	Different grade of mineral sorted out at mines.	Low grade ore	Grade/ quality of ore decreases with the depth. High grade and Sub grade benches are being maintained seperately. The Light gray Limestone bench, i.e. low grade ore is maintained and excavated fully by machineries for blending purpose.
7d	Any beneficiation process at mines	Nil	Crusher plant is situated outside lease area
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		There is generation of sub grade ore (Limestone boulder admixed with in seperable soil) is observed and sub grade ore already generated is being utilised for blending with high grade ore.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Top soil occurrence is range from 0.3m to 1.0m, which needs to be scrap and stack it seperately for future use on Southern side of the lease area.	Top soil generated is being utilised for plantation all along haul road and some portion of safety zone area within lease area as well as outside lease area in colony.	
8b	Concurrent use or storage of topsoil	To Stack it seperately for future use.	Top soil is being used for plantation purpose within and outside lease area.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes Low grade ore and sub grade stack to be stacked seperately	Low grade ore generated found stacked seperately	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	No area is matured for reclamation
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Additional plantation proposed during the year 2016-17 was 2300	The lease area is of rocky in nature and plantation was scanty. Additional plantation proposed during the year 2016-17 was 1995	
8g	Survival rate	No proposal	97%	

- 8h Water sprinkling on roads to control airborne dust
Mitigative measures to be taken to reduce impact on Air due to Mining activity
Water sprinkling is being carried out by one water tanker for suppression of dust on haul road and working area to control the airborne dust.
- 8i General remarks of inspecting officer on aesthetic beauty in and around mines area
Topsoil generated is being utilised for plantation purpose, this has to be judiciously used for plantation and rest needs to be stacked for future use. Regular monitoring of AAQ, Noise, Water etc. is being carried out by third party and reports of the same are found maintained in the mines. Plantation is being carried out within and out side lease area to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR of preceding month before 10th of successive month and AR of preceeding year before 1st July of successive year needs to be submitted to RCOM, Hyderabad.	Yes. MR and AR are being submitted regularly by online and upto date.	2017-18

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri M Suresh Geologist : Shri K Rambabu Manager : Shri J Naveen Kumar reddy	All the persons are employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned byopencast (O/C) mining-35.5 , (ii) Covered under current (O/C) Workings 6.5, (v) Occupied by plant, buildings, residential, welfare buildings & roads 3.3, (vi) Other Purpose (0): 2.55 (vii) Work done under progressive mine closure plan during the year: 6.5	(i) Already exploited & abandoned byopencast (O/C) mining-35.5 , (ii) Covered under current (O/C) Workings 6.5, (v) Occupied by plant, buildings, residential, welfare buildings & roads 3.3, (vi) Other Purpose (0): 2.55 (vii) Work done under progressive mine closure plan during the year: 6.5	2017-18
9d	Scrutiny of Annual return on afforestation	2280	More or less found planted in the lease	2017-18
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0	Low grade ore mixed with clay is being generated in the lease	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	0	0	

9g	Scrutiny of Annual return on sale value, Ex-Mine price and production cost	Rs. 165.64 per MT for Ex-Mine price as well as Cost of production.	Rs. 165.64 per MT for Ex-Mine price as well as Cost of production.	2017-18
9h	Scrutiny of Annual return on fixed assets	5121458	As reported by lessee	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) (3.300 CUM) -2 no., DUMPER (35.00 TONNE)-2 nos., DUMPER (40TONNE)-2 (40TONNE)-2 No., BLAST HOST DRILL (150 MM)-1, DOZER (410.000 HP)-1 no. WATER TANKER (12000 LITRE)-1 no.	SHOVEL (HYDRAULIC) (3.300 CUM) -2 no., DUMPER (35.00 TONNE)-7 nos., DUMPER (40TONNE)-2 No., BLAST HOST DRILL (150 MM)- 1, DOZER (410.000 HP)-1 no. WATER TANKER (12000 LITRE)-1 no.	

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

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines