

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/RR/LST-5/HYD

Mine code : 38APR23004

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri A. Aneel Kumar, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 09-JUL-23
- (v) Prev.inspection date : 18-SEP-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **OGIPUR(221.92 HA)**
- (b) **Registration NO.** : **IBM/8166/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : **TELANGANA**
District : **RANGAREDDY**
Village : **OGIPUR**
Taluka : **TANDUR**
Post office : **TANDUR**
Pin Code : **501158**
FAX No. : **08411-247897**
E-mail : **tandur.mines@pennacement.co**
Phone : **08411-247875**
- (f) Police Station : **TANDUR**
- (g) First opening date : **15-MAR-10**
- (h) Weekly day of rest : **SUN**
2. Address for : **705, SRINIKETAN COLONY, ROAD NO.3,**
correspondance : **BANJARA HILLS,**
HYDERABAD
3. (a) Lease Number : **APR3076**
- (b) Lease area : **221.92**
- (c) Period of lease : **30**
- (d) Date of Expiry : **27-AUG-38**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : M/S PENNA LIMESTONE QUARRIES LIMITED
 PLOTNO,703,SRINIKETAN
 COLONY ROAD NO,3
 ,BANJARA HILLS HYDERABAD
 HYDERABAD TELANGANA
 Phone:(040)23353945, 23353950, 23353952
 FAX :040-23353951

Owner : M/S.PENNACEMENTINDUSTRIES.LTD
 PLOTNO.703,
 SRINIKETANCOLONYROADNO.3
 BANJARAHILLS, ANANTAPUR
 ANDHRA PRADESH
 Phone: 3353945, 33
 FAX : (040)3363951

Agent : P.VASUDEVA REDDY
 SAGACEMENTS LTD,
 MATTAMPALLY PO & MANDAL
 NALGONDA DISTRICT NALGONDA
 TELANGANA
 Phone: 08683247015
 FAX : 08683247039

Mining Engineer

Name : B SUDARSHAN REDDY,Full Time
 Qualification : BTECH(MINING)
 Appointment/ :
 Termination date

Geologist

Name : M KANAKA BABU,Full Time
 Qualification : MSC GEOLOGY
 Appointment/ :
 Termination date

Manager

Name : C VENKATARAMANA
 Qualification : BTECH(MINING)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	15-OCT-07
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	01-AUG-12
	:	Mining Scheme rule 12 MCDR1988	07-AUG-14
	:	MP review under 17(1) MCR 2016	04-DEC-17
	:	MP review under 17(1) MCR 2016	08-DEC-22

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposals during the year 2022-23	Not applicable	None
1b	Exploration over lease area for geological axis 1 or 2	-do-	Nil	Entire lease is converted into G1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-do-	Nil	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	Nil	Entire lease is converted into G1 level of exploration.
1e	Balance reserve as on 01/04/20		Proved reserves as on 31.03.2023 is 129923659 t.	
1f	General remarks of inspecting officers on geology, exploration etc			Reserves and Resources updated after considering the boreholes drilled during the last approved Plan period. The limestone deposits occurring in vikarabad district belong to a group of rocks known as bhima series. within the lease area the limestone occurs as grey to dark grey limestone and pink argillaceous limestone. The general strike of the formation is NW-SE with beds usually dipping west and southwest at low angles of 2 degrees to 3 degrees.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-15825 to 16300 E-9800 to 10300	N 15525 to 16300 E 9675 to 10300	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineralbenches proposed to develop	OnIy mineral benches developed	None
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	None
2d	Quantity of topsoil generation in m3	No proposal	Nil	None
2e	Quantity of overburden generation in m3	No proposal	Nil	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No overburden generated in the mining lease area.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	None
3b	Quantity of ROM mineral production proposed	During the year 2022-23 : 20,23,540 t	6,53,386 t	For lesse production, violationof rule 11(1) of MCDR 2017 has been issued to the lessee.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	None

3d	Quantity of mineral reject generation	No proposal	Nil	None
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Nil	None
3g	Grade of sub grade mineral generation	Not applicable	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposals	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting is proposed in the mineral benches .	Wagon drill- being used for drilling with a blast hole dia of 150 mm & depth of 8 m, spacing of 8 meters and burden of 6 meters. Blasting with ANFO & slurry explosives with NONELS as initiating system.	Nil
3k	Provision of mining machineries in mineral benches	Excavator and dumper combination was proposed.	It was observed that wagon drills, dumpers & excavators are being used for drilling, loading & transportation of ore to crushing plant.	Nil

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain the bench height of 8 meters.	Bench height is being maintained between B m and digging height of the excavators are compatible with bench height.	Nil
3m	Total area covered under excavation/pits	45.45 ha	38.03 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	Nil
3o	Total area put in use under different heads at the end of year	Pit - 4 5.45 Ha, Topsoif storage - 8.73 Ha, Infrastructure - 4-21, Ha, Old dump & pits - 20,53 Ha, Green Belt -12.11 Ha (proposals from 2018-19 to 2022-23)	Covered under current workings =38.03 ha, Occupied by plant, buildings, residential, welfare buildings and roads: 11.200 ha, B.C.Soil storage: 3.880 ha, work done under prograssive mine closure plan during the year 0.500 ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19 : 15,41,724 T, 2019-20 : 18,32,539 T, 2020-21 : 19,91,136 T, 2021-22 : 21,77,505T, 2022-23 : 20,23,540 T	2018-19 : 16,53,650 T 2019-20 : 17,68,703 T 2020-21 : 13,62,150 T 2021-22 : 16,41,051 T 2022-23 : 6,53,386 T	for less production during 2022-23, violation of rule 11(1) of MCDR 2017 has been issued to the lessee.
3q	General remarks of inspecting officers on method of mining etc.			The method of mining and production reported aIe as per proposals made in the approved document .

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	One (within the Lease area)	One (within the fease area)	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	one actlve dump	one actlve dump	Nil
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.	Retaining wall and garland drain proposed around the dump.	Garland drain developed around the dump, bund develop around the dump instead of retaining wall. Violation issued as per rule.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Proposed to devel-op around the dump	Garland drain and retaining bund developed around the dump.	Nil
4j	Number of settling ponds	No proposals	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			Garland drain developed around the topsoil dump whereas soil bund developed around the dump instead of retaining wall. violation issued as per rule.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals	Nil	
5b	Area under backfilling of mined out area	-do-	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	Nil	
5d	Total area fully reclaimed and rehabilitated	-do-	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start 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).	To be submitted	Submitted.	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.48 ha.	0.50 ha.	Nil
6d	No. of saplings planted during the year	2022-23: 600nos.	2022-23: 750 nos.	Nil
6e	Cumulative no .of plants		40270 no. of plants.	Nil

6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	Nil	

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2022-23 and all the parameters are within the permissible limit.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposed in 2022-23 . Entire ROM is to be despatched.	No grade wise sorting done and entire ROM is despatched during 2022-23.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals	Nil	Nil
7c	Different grade of mineral sorted out at mines.	No proposals	Nil	Nil
7d	Any beneficiation process at mines	No proposals	Nil	Nil

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.
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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposals during the year 2022-23	Nil	Nil
8b	Concurrent use or storage of topsoil	No proposals	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals.	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals.	Nil	Nil

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation area cumulative 15.50 ha proposed by the end of 2022-23	Total 40270 sampling with in ML and 57680 samplings outside of ML area.	Nil
8g	Survival rate	75%	76%	Nil
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water sprinklers and water tanker is provided for dust suppression.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around the mines is average since the survival rate of the plantation is lesss and needs to be improved.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be sumbitted	Sumbitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Managier - Sri. Aneel Kuma r Mining Engineer - Srl. Mabusubhani Geologist - Sri. Veera Raghavalu	Managier - Sri. Aneel Kuma r Mining Engineer - Srl. Mabusubhani Geologist - Sri. Veera Raghavalu	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under current workings : 38.030 ha., , Occupied by plant , buildings, residential, welfare buidings and roads: 11.200 ha., B.C.Soil storage : 3.880 ha., work done under prograssive mine closure plan during the year :0.500 ha.	The same was noticed during inspection.
9d	Scrutiny of Annual return on afforestation	750 samplins	The same has been noticed during the inspection.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock : 23507 tonnes, Closing stock : 20342 tonnes.	Opening stock : 23507 tonnes, Closing stock : 20342 tonnes.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price Rs. 281.35 per T and cost of production is submitted as Rs.3597.37- per tonne.	
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns as Rs. 871300000/-	Fixed assets could not be verified.

9k	Scrutiny of Annual return on mining machineries	The Mining machinery reported during the year 2022-23 is as follows :1, Back Hoe - 1, No. 2. Dumper - 5 No.s, 3. Blast hole drill - 1, No, 4. Dozex - 1, No.5. Explosive van - 1, No.6. water tanker - 1, No.7.Jeep/tractor! -1 no.	The same was noticed during the inspection.
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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 11(1)	07-AUG-23			
MCDR17	Rule 45(7)(a)	07-AUG-23			

Date :

(D.P.Ravi kumar)

Indian Bureau of Mines