

**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 : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : **SRI C. VENKATARAMANAIAH.MANAGER,SRIM.KANAKABABU GEOLO**  
Official with  
Designation
- (iv) Date of Inspection : 16-MAR-21
- (v) Prev.inspection date : 03-OCT-18

**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. : **(040)44565145,44565222,4456**  
E-mail : **tandurpennagmail.com**  
Phone :
- (f) Police Station :
- (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.PENNA LIMESTONE QUARRIES LIMITED  
 PLOTNO.703,SRINIKETAN  
 COLONY, ROAD NO.3, BANJARA  
 HILLS HYDERABAD HYDERABAD  
 TELANGANA  
 Phone: (040)23353945,  
 FAX : 040-23353951,

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

## 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	2019-20 - Nil	2019-20 - Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----		
1d	Balance area to be explored to bring Geological axis in 1 or 2	----	Total lease area is explored under G1 level.	
1e	Balance reserve as on 01/04/20	---	Proved Reserves as on 01/03/2021 -59.12 million tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc			The limestone is a bedded type deposit. Total mineralised area has been explored under G1 level category.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N15523-16266 E9822-10315	Work done within proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil and mineral benches proposed.	Topsoil and mineral benches developed in the mining area.	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	2019-20 - 65099 cu.m	2019-20 - 64280 cu.m	

2e	Quantity of overburden generation in m3	No proposal	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No OB is generated in the proposed mining area and the limestone is found just below the top soil horizon of around 1.5m thickness.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2019-20 - 1757538 Te (Open pit), 75000 Te (Old dumps)	2019-20 - 1768703 Te (Open pit), 75000 Te (Old dumps)	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting proposed in the mineral benches.	During inspection it was observed that Wagon drill being used for drilling with a blast hole dia of 115 mm & depth of 9 m, spacing of 5 meters and burden of 4 meters. Blasting with slurry and emulsion explosives with NONELS as initiating system.
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills, excavators & dumpers for drilling, loading & transporting of ore to crushing plant.	During inspection, It was observed that wagon drills, dumpers & excavators are being used for drilling, loading & transportation of ore to crushing plant
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	During inspection it was noticed that the bench height is being maintained between 8 m and digging height of the excavators are compatible with bench height
3m	Total area covered under excavation/pits	45.45 Ha	35.13 Ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	91.75 Ha	47.858 Ha

3p	Production of ROM mineral during the last five year period as applicable	2015-16--2301937T, 2016-17--2302460T,2017-18--2302040T 2018-19-1541723 T 2019-20-1832538 T	2014-15--8,73,250 T, 2015-16--8,47,700T, 2016-17--8,87,410T, 2017-18--12,24,000T, 2018-19--16,53,650T 2019-20--17,68,703T	Mining carried out in the designated area. Achieved less production than the proposed due to poor market conditions.
3q	General remarks of inspecting officers on method of mining etc.			

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#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Topsoil dumping is proposed	Topsoil dump is developed and maintained.	
4b	Location of topsoil, OB and mineral reject dumps	N16300-16500 E8800-9050	Topsoil dump as per proposal.	
4c	Number of dumps within lease area and outside of lease area	One dump within the lease area	One dump within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
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.	No proposal	Nil	

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4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Topsoil dump is maintained near the magazine area.

#### 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	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	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
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted in time	Submitted in time
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	2019-20 -0.58 Ha	2019-20 - 0.49 Ha
6d	No. of saplings planted during the year	2019-20 - 600 Nos.	2019-20 - 600 Nos.
6e	Cumulative no .of plants	Nil	17000 Nos.
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 ( Lx 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



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	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	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2019-20 and all the parameters are within the permissible limit.	
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.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be utilized directly for captive purpose, hence no grade wise sorting is proposed within the ML.	Entire ROM is consumed for cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	Not applicable	Nil	
7d	Any beneficiation process at mines .	No proposal	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.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Seperate removal of topsoil proposed	Topsoil removed separately	
8b	Concurrent use or storage of topsoil	Some quantity to be used for plantation and rest of the quantity to be stacked	Some quantity is being used for plantation and rest of the quantity is being stacked	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation done along Haul Roads and Magazine roads and along boundary of ML area	Plantation done along Haul Roads and Magazine roads and along boundary of ML area	
8g	Survival rate	---	60%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers for dust suppression.	Water tanker is provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is done in the 7.5m safety zone.

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted in time	Submitted in time	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri.C.V.Ramanaiah Mining Engineer - Sri.B.Sudarshan Reddy Geologist - Sri.M.Kanaka Babu	Manager - Sri.C.V.Ramanaiah Mining Engineer - Sri.B.Sudarshan Reddy Geologist - Sri.M.Kanaka Babu
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-35.13 ha, Reclaimed area-NIL Dump- 8.73 ha	Same as submitted.
9d	Scrutiny of Annual return on afforestation	5000 Nos.	Broadly as submission and same quantity is verified in afforestation register maintained.
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	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production is reported as Rs.628.95/-.	Cost of Production is reported as Rs.628.95/-, whereas ex-mine price is reported as Rs.173/-. For captive mine ex-mine price should equal to cost of production. Violation issued as per rule.
9h	Scrutiny of Annual return on fixed assets	Rs.4438400000/ -	----

9k	Scrutiny of Annual return on mining machineries	Back Hoe-5.90 Cu.m-1, Dumpers-5 (50 tonnes capacity), Blast Host drill (150 MM) -1, Dozer-1	Machineries available in the mining area.
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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
Rule 45(7)	26-MAR-21		

**Date :**

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines