

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI C. VENKATARAMANAIAH.MANAGER,SRIM.KANAKABABU GEOLO**
Official with
Designation
- (iv) Date of Inspection : 03/10/2018
- (v) Prev.inspection date : 20/02/2017

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** : **15/03/2010**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **705,SRINIKETAN COLONY,ROAD NO.3,**
BANJARA HILLS,
HYDERABAD
3. (a) **Lease Number** : **APR3076**
- (b) **Lease area** : **221.92**
- (c) **Period of lease** : **30**
- (d) **Date of Expiry** : **27/08/2038**
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 LIMSTONE 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	15/10/2007
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	01/08/2012
	:	Mining Scheme rule 12 MCDR1988	07/08/2014
	:	MP review under 17(1) MCR 2016	04/12/2017

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	Total lease area has to be explored	Total lease area has been explored	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specific	J.K.Kore drilling, Hyderabad Rs. 22 lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	134.38 Million Tonnes	134.38 Million Tonnes	Mineral Reserves have been updated in the Review of Mining Plan approved on 13.12.2017
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	The Limestone is a bedded type deposit belongs to Bhima Basin. Total mineralised area has been explored under G1 Category.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 9400 to E10400 N 15700-N16300	E 9670 to E10325 N15600 to N 16250	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No OB Only Mineral Benches	No OB Only Mineral Benches	
2c	Stripping ratio or ore to OB ratio	NIL	NIL	Total ROM is being utilised

2d	Quantity of topsoil generation in m3	NIL	36620 m3.	Due to less production, more area has been developed within the proposed limits to utilise the men and machinery. However, the quantity of top soil generated is much lower than that of proposed quantity during the five year period.
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	_____	_____	Development was within the proposed area only.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Mining Pit	One Mining Pit	NE corner of ML area as proposed
3b	Quantity of ROM mineral production proposed	23,00,000 MT	12,24,000 MT	Less production due to less market
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Total ROM is being fed to the crusher
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	

3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	NIL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Yes, Deep Hole drilling	Yes, Deep Hole drilling with 150 dia	
3k	Provision of mining machineries in mineral benches	Excavator(5.9 m3) 50 MT dumpers	Hitachi 1200(5.9 m3) 50 MT dumpers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Open cast mining 8 m bench	Open cast mining 8 m bench	No over burden
3m	Total area covered under excavation/pits	56.55 ha	28.7 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	77.67 ha	69.72 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13-- 22,50,050 T, 2013-14-- 2302140 T, 2014-15-- 2301900T, 2015-16-- 2301937T, 2016-17-- 2302460T,2017- 18--2302040T	2012-13--10,34,600 T, 2013-14--10,06,900 T, 2014-15--8,73,250 T, 2015-16--8,47,700T, 2016-17--8,87,410T,2017- 18--12,24,000 T	

3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining carried out in the designated area. Achieved less production than the proposed due to poor market conditions.
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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)	Yes, top soil dump	Yes, top soil dump	
4b	Location of topsoil, OB and mineral reject dumps	NW corner of ML area	NW corner of ML area	
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)	Beyond UPL	Beyond 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.	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	No waste is being generated. Total ROM is being fed to the crusher.

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.	Full extraction of the mineral	Back filling has not taken place as the mineral has not been extracted fully due to less production.	
5b	Area under backfilling of mined out area	1.5 ha	NIL	Mineral not extracted fully due to less production.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	yes in 1.5 ha	NIL	Mineral not extracted fully due to less production.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	Back filling was proposed in 1.5 ha area but not taken place as the mineral was not extracted fully.

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).	Annual Report to be submitted	Annual Report has been submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	

6g	Cost incurred on watch and care during the year	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	1.5 HA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1500 plants	6480 plants
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of environmental parameters is proposed	Quarterly monitoring of environmental parameters is being carried out.	
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	Sized ROM dispatch to cement plant	Sized ROM dispatch to cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	ROM is being fed to crusher to get the required size of 30-80 mm and sent to plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	To be dumped at NW corner	Separately removing and dumping in the NW corner
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)	NIL	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL
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)	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	80-85%	80-85%
8h	Water sprinkling on roads to control airborne dust	Yes	Yes, water tanker engaged for sprinkling
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are submitted up to date	Monthly and Annual Returns are submitted up to date	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri.B.Sudarshan Reddy, Mining Engineer, Sri.M.Kanaka Babu, Geologist, Sri.C.V.Ramanaiah, Mines Manager	Sri.B.Sudarshan Reddy, Mining Engineer, Sri.M.Kanaka Babu, Geologist, Sri.C.V.Ramanaiah, Mines Manager	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-28.7 ha, Reclaimed area-NIL Dump- 7.230 ha	Pit-28.7 ha, Reclaimed area-NIL Dump- 7.230 ha	
9d	Scrutiny of Annual return on afforestation	6480 plants	6480 plants	
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-Rs.157.20/-	Cost of Production-Rs.157.20/-	Since the mineral is for captive use there will not be any sale value.
9h	Scrutiny of Annual return on fixed assets	Rs.45.57 crores	Rs.45.57 crores	
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	Back Hoe-5.90 Cu.m-1, Dumpers-5 (50 tonnes capacity), Blast Host drill (150 MM) -1, Dozer-1	

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

Date :

(Ch.Suseela)

Indian Bureau of Mines