

**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 : **RA15**) **Rajesh Kumar Das**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : SRIM.SRINIVASA REDDY ,MIN4S MANAGER
Official with
Designation
- (iv) Date of Inspection : 28/01/2016
- (v) Prev.inspection date : 27/02/2013

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	17 nos in 2013-14, 17 nos 2014-15 & 7 nos in 2015-16 core bore holes	Nil	As per the proposal given in Scheme of mining approved vide letter no. AP/RR/MS/Lst-288-SZ, dated 7.08.2014
1b	Exploration over lease area for geological axis 1 or 2	221.92 ha.	150 ha. approx.	There is no exploration done in scheme period.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	72 ha.	72 ha.	
1e	Balance reserve as on 01/04/20	139139.5 million tons	139139.5 million tons	
1f	General remarks of inspecting officers on geology, exploration etc			The deposit is sedimentary bedded deposit and exploration carried out in G, G2 & G3 scale as per UNFC.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	NE corner of ML area	The working is done broad in NE corner of ML.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One separate bench for top soil and rest for mineral.	The working has been done broadly as per the proposal but actual excavation is less than the proposal.	
2c	Stripping ratio or ore to OB ratio	35:1	Nil OB generation.	
2d	Quantity of topsoil generation in m3	66000	35400	

2e	Quantity of overburden generation in m3	NA	NA
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Mining pit	One Mining pit	
3b	Quantity of ROM mineral production proposed	2300000 MT	873250 MT	
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.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	

3j	Provision of drilling and blasting in mineral benches	Proposed Deep hole drilling blasting.	Deephole drilling with 150 mm drill.	
3k	Provision of mining machineries in mineral benches	provided with shovel dumper combination.	As per proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	O/c method with 8 meter bench	suitable for present method of mining.	
3m	Total area covered under excavation/pits	24.85 ha.	18 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	35:1	NA	No OB generation.
3o	Total area put in use under different heads at the end of year	14.2 ha	14.2 ha.	
3p	Production of ROM mineral during the last five year period as applicable	9.1 million tons.	4.5 million tons.	
3q	General remarks of inspecting officers on method of mining etc.		working as per proposal.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No reject only top soil.	No reject only top soil.	
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	one	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NW-449 MSL	NW-449 MSL
4e	Number of active and alive dumps.	one	one
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.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		one one dump and maintain properly.

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 for backfilling	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	There is no proposal for backfilling	As the mineral is not exhausted in working pit therefore no backfilling done.
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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.6 ha.	7 ha. in ML	
6d	No. of saplings planted during the year	1500 nos	4350 nos	
6e	Cumulative no .of plants	17000 nos saplings	10550 nos done witin and outside ML.	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NA	NA	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	No backfilling.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1500 nos of saplings in 0.6 ha.	Actually done 4350 nos in 7 ha. within lease area.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Air water & noise	complied as per the proposal given.	Quarterly submission of Air,water & noise monitoring report for core and buffer zone.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The work has been carried out as per proposal.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch ,no grading	ROM dispatch ,no grading maintaing the cutoff grade Cao%-	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	No sorting
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines .	NA	No beneficiation done.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The ROM from mines directly feed to crusher for production.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	small quantity used for afforestation and rest all to be dump.	top soil utilisation as per proposal.	
8b	Concurrent use or storage of topsoil	small quantity used for afforestation and rest kept as storage of top soil.	working as per proposal.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	No waste and OB generation.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Along 7.5 meter safety barrier zone	Along 7.5 meter safety barrier zone, haul road & magazine road.	additional plantation done in crusher and garage area.
8g	Survival rate	85-90%	85-90%	
8h	Water sprinkling on roads to control airborne dust	Water tanker engaged for water sprinkling.	12000 lts capacity used for water sprinkling in haul roads to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		There is no impact observed on aesthetic beauty due to mining activity.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			

- 9e Scrutiny of Annual return on mineral reject generation (Grade and quantity)
 - 9f Scrutiny of Annual return on ROM stock and/or graded ore
 - 9g Scrutiny of Annual return on sale value, Ex. Mine price and production cost
 - 9h Scrutiny of Annual return on fixed assets
 - 9k Scrutiny of Annual return on mining machineries
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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 13(1)	01/02/2016	23/06/2016			

Date :

(Rajesh Kumar Das)

Indian Bureau of Mines