

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

Review and updation of Mining Plan 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. Aneel Kumar, Mine Manager, Sri. Veera Raghavulu,
Official with
Designation
- (iv) Date of Inspection : 13-OCT-22
- (v) Prev.inspection date : 26-OCT-17

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.c
Phone : 08411-247875
- (f) Police Station : TANDUR
- (g) First opening date : 15-MAR-10
- (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-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
Plan/Scheme of Mining

:	Fresh under rule 22 MCR1960	15-OCT-07
	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	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	Entire lease is converted into G1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	Entire lease is converted into G1 level of exploration.
1e	Balance reserve as on 01/04/20	---	Proved Mineral Reserves as on 01/09/2022 is 127.59 million tonnes	
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 same is submitted in the Review of Mining Plan for approval.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed to develop between the gridlines E9917-E10288 to N15518-N16206	Work done within the proposed co-ordinates	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches proposed to develop	Only mineral benches developed	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	2021-22 - 33611 cu.m	2021-22 - 33650 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 overburden generated in the mining lease area. Only topsoil found in the surface area.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2021-22- 2.177 million tonnes	2021-22 - 1.64 million tonnes	Lessee has reported that less production due to less market demand
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	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
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 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.
3k	Provision of mining machineries in mineral benches	Excavator and dumper combination was proposed.	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	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	45.22 Ha
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil

- 3o Total area put in use under different heads at the end of year
 Pit - 45.45 Ha Pit - 45.22 Ha
 Topsoil Infrastructure - 3.11 Ha
 storage - 8.73 Ha Dump - 8.73 Ha
 Ha
 Infrastructure
 - 4.21 Ha
 Old dump &
 pits - 20.53
 Ha
 Green Belt -
 12.77 Ha
- 3p Production of ROM mineral during the last five year period as applicable
 2017-18 - 2.30 Million tonnes
 2017-18 - 1.22 Million tonnes
 2018-19 - 1.54 Million tonnes
 2018-19 - 1.65 Million tonnes
 2019-20 - 1.83 Million tonnes
 2019-20 - 1.76 Million tonnes
 2020-21 - 1.99 Million tonnes
 2020-21 - 1.36 Million tonnes
 2021-22 - 2.17 Million tonnes
 2021-22 - 1.64 Million tonnes
- 3q General remarks of inspecting officers on method of mining etc.

The method of mining and production reported are as per proposals made in the approved document.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dump proposed in the Northern side of the Mining lease i.,e., between E8850 -E9100 to N16300-N16525	Dump developed and maintained as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	E8850 -E9100 to N16300-N16525	Dump developed as per proposal	
4c	Number of dumps within lease area and outside of lease area	One (within the lease area)	One (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.	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.	
4i	Length of Retaining wall or garland drain all along dumps	Proposed to develop around the dump	Garland drain and retaining bund developed around the dump.	
4j	Number of settling ponds	No proposal	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
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
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2021-22 - 0.53 Ha	2021-22 - 1.8 Ha	
6d	No. of saplings planted during the year	2021-22 - 600 Nos.	2021-22 - 2800 Nos. (W/L) & 300 (O/L)	
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 2021-22 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.

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 2021-22. Entire ROM is to be despatched.	No grade wise sorting done and entire ROM is despatched during 2021-22.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	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.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed to remove the topsoil seperately and utilised for plantation	Topsoil being removed seperately and utilised for plantation	
8b	Concurrent use or storage of topsoil	Proposed to use the topsoil for plantation	Topsoil being used for plantation purpose	
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)	600 Nos. of saplings in 0.53 Ha (W/L)	2800 Nos. of saplings in 1.24 Ha (W/L)	
8g	Survival rate	70%	65%	
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.	
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 submittted	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. Aneel Kumar Mining Engineer - Sri. Mabusubhani Geologist - Sri. Kanaka Babu	Manager - Sri. Aneel Kumar Mining Engineer - Sri. Mabusubhani Geologist - Sri. Veera Raghavalu	Advised the lessee to update the Geologist details in the returns portal.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	45.22 Ha	The same was noticed during inspection.	
9d	Scrutiny of Annual return on afforestation	2800 Nos. (W/L) 300 Nos. (O/L)	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	Opening stock - 6510 tonnes Closing stock - 23507 tonnes	Opening stock - 6510 tonnes Closing stock - 23507 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price is reported as Rs.198/- per tonne	Ex-mine price is reported as Rs.198/- per tonne whereas cost of production is submitted as Rs.293.76/- per tonne. In case of captive mine the Ex-mine price of mineral shall be the per unit cost of production. Violation issued as per rule.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns is Rs.856300000/-	Fixed asset could not be verified.
9k	Scrutiny of Annual return on mining machineries	The Mining machinery reported during the year 2020-21 is as follows: 1. Back Hoe - 1 no. 2. Dumper - 5 no.s 3. Blast hole drill - 1 no. 4. Dozer - 1 no. 5. Explosive van - 1 no. 6. Water tanker - 1 no. 7. Jeep/tractor - 1 no.	The same was noticed during the inspection.

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
MCDR17	Rule 11(1)	21-OCT-22			
MCDR17	Rule 31(4)	21-OCT-22			
MCDR17	Rule 45(7) (a)	21-OCT-22			
MCDR17	Rule 27(2)	21-OCT-22			

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines