

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/ADB/LST-29/HYD

Mine code : 38APR01012

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN RAVULA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri N.P.SAHARE, VP(Mines), Shri Prasad V, QP
Official with
Designation
- (iv) Date of Inspection : 18-SEP-24
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DEVAPUR**
- (b) **Registration NO.** : **IBM/981/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TELANGANA**
- District : **ADILABAD**
- Village : **DEVAPUR**
- Taluka : **KAZIPET**
- Post office : **DEVAPUR CEMENT WORKS**
- Pin Code : **504218**
- FAX No. : **91-8736-40522**
- E-mail :
- Phone : **(08736)40661**
- (f) **Police Station** :
- (g) **First opening date** : **14-NOV-81**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **DEVAPUR CEMENT WORKS**
correspondance : **DISTRICT ADILABAD-504218**
: **ANDHRA PRADESH**
3. (a) **Lease Number** : **APR0006**
- (b) **Lease area** : **210**
- (c) **Period of lease** :
- (d) **Date of Expiry** : **04-OCT-29**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : M/S ORIENT CEMENT
P.O:DEVAPUR CEMENT WORKS
DIST:ADILABAD ADILABAD
TELANGANA
Phone:(08736)40661
FAX :91-8736-40522

Owner : M/s TSMDC Ltd
Rear Block, 4 th Floor,
HMESB Premises,
Khairatabad Hyderabad-500
004 HYDERABAD TELANGANA
Phone:
FAX :

Agent : K.Rajasekhar Reddy
M/s TSMDC Ltd.,Rear Block,
4th floo HMWSSB Premises,
Khairatabad, Hyderabad-500
004 HYDERABAD TELANGANA
Phone:
FAX :

Mining Engineer

Name : Shri. Kamalesh B.Tembhurne,Full Time
Qualification : B.E(Mining)
Appointment/ : 02-NOV-11
Termination date

Geologist

Name : Shri. Jayanth V. Mohgaonkar,Full Time
Qualification : M.Sc(Geo)
Appointment/ : 30-JUL-15
Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	09-MAR-95
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	05-NOV-99
		Mining Scheme rule 12 MCDR1988	26-AUG-05
		Modif.approved Mining Scheme	08-JAN-08
		Mining Scheme rule 12 MCDR1988	02-DEC-10
		Renewal under rule 24 MCR1960	17-NOV-11
		MP modif under 17(3) MCR 2016	06-OCT-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	Entire mineralised area explored under G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Entire mineralised area explored under G1 level.	
1e	Balance reserve as on 01/04/20	As per the approved document dated 19.07.2023 the Limestone reserves are 14.758 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2024 are limestone: 10.61 milt.t.	
1f	General remarks of inspecting officers on geology, exploration etc		the ML area forms part of the region of limestone deposits belongs to penganga series of rocks comprised of pranahita sandstone at the base and succeeded by penganga beds. As per MEMC rules, 2015 the deposit falls under stratiform and tabular deposit of regular habit.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	3 pits were proposed during the year 2023-24 viz., block-A, block-B and Block-C.	3 pits were developed.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	seperate benches Ob and mineral proposed.no top soil generation is not envisaged.	mainatined.	
2c	Stripping ratio or ore to OB ratio	1:0.13 t/cu.m.	1:0.2 t/cu.m.	
2d	Quantity of topsoil generation in m3	100 cu.m.	120 cu.m.	
2e	Quantity of overburden generation in m3	684393 cu.m.	852345 cu.m.	violation observed and coomunicated to lessee via letter dated 26.09.2024
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		development is carried out by opencast mining method as proposed.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 pits	3 pits	
3b	Quantity of ROM mineral production proposed	5.22 mil.t. during the year 2023-24.	4.142 mil.t.	
3c	Recovery of sailable/usable mineral from ROM production	4.31 mil.t.	3.597 mil.t.	
3d	Quantity of mineral reject generation	0.91 mil.t.	0.544 mil.t.	
3e	Grade of mineral rejects generation and threshold value declared.	Cao%34-40.2	Cao%34-40.2	
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	

3g	Grade of sub grade mineral generation	No proposal.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.
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.	drilling & blasting is carried out.
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed.	8 m bench height as proposed is maintained.
3m	Total area covered under excavation/pits	171.17 ha	170.153 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.13 t/cu.m.	1:0.2 t/cu.m.
3o	Total area put in use under different heads at the end of year	195.69 ha	194.89 ha
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 4.35 mil.t. 2020-21: 4.8 mil.t. 2021-22: 5.3 mil.t. 2022-23: 5.3 mil.t. 2023-24: 5.22 mil.t.	2019-20: 3.83 mil.t. 2020-21: 2.90 mil.t. 2021-22: 3.46 mil.t. 2022-23: 3.29 mil.t. 2023-24: 4.144 mil.t.

3q General remarks of inspecting officers on method of mining etc. production is carried by opencast mining method as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil generation is envisaged, backfilling of OB are proposed in the mineral exhausted area of the working pit. mineral rejects are proposed to be seperatley stacked.	backfilling is being carried out. mineral rejects are being seperatley stacked.	meagre quantity of top soil generation is proposed and also to be utilised to the tune of 100 cu.m. during the year 2023-24.
4b	Location of topsoil, OB and mineral reject dumps	in the exhausted mineral location of pit (block-A) by OB	carried out.	
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	
4e	Number of active and alive dumps.	No proposal.	Nil	
4f	Number of dead dumps.	No proposal.	Nil	
4g	Number of dumps established.	No proposal.	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	provided.	
4i	Length of Retaining wall or garland drain all along dumps	1031 mtrs garland drain	1054 mtrs.	

4j	Number of settling ponds	No proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management		solid waste management is carried out as proposed.

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.	proposed for mineral extraction before start of backfilling.	being followed.	
5b	Area under backfilling of mined out area	10.58 ha during the year 2023-24	14.355 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	carried out	
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		backfilling is being carried out by waste as proposed.	

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).	PMCP report to submitted. submitted before 1 st July.		
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	

6c	afforestation done (ha).	1.6 ha during the year 2023-24.	1.76 ha
6d	No. of saplings planted during the year	1600 nos	4168 nos
6e	Cumulative no .of plants		47893 nos
6f	Any other method of rehabilitation	No proposal.	Nil
6g	Cost incurred on watch and care during the year		Not assessed.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	10.58 ha	10.58 ha
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	10.58 ha	14.355 ha
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	1.6 ha	1.76 ha
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)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	
7d	Any beneficiation process at mines	No proposal.	Nil.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	mineral recovery from subgrade dumps carried out in mineral conservation point of view.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out.	
8b	Concurrent use or storage of topsoil	proposed.	carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed.	maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	carried out.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	backfilling of mined out pit proposed.	carried out.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1600 nos	4168 nos	
8g	Survival rate	80%	85%	

8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		water sprinkling on haul roads for dust suppression is proposed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017.	submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	(i) Graduate Mining Engineer 5, (ii) Diploma Mining Engineer 9, (iii) Geologist 1	found to be in order.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings 170.153 ha, Used for waste disposal 2.152 ha etc.,	found to be in order.	
9d	Scrutiny of Annual return on afforestation	4168 nos	found to be in order.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	544994 t.	found to be in order.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	mineral reject closing stock not shown.	show cause notice is issued via letter dated 26.09.2024.

9g Scrutiny of production production cost is Rs.
Annual return on cost is Rs. 247.39/-
sale value, Ex. 247.39/-
Mine price and
production cost

9h Scrutiny of Rs. 26132764/- not verified.
Annual return on
fixed assets

9k Scrutiny of BACK HOE 1.900 found to be in order
Annual return on CUM 6, TIPPER
mining 16.000 CUM 26,
machineries DOZER 324.000
HP 2

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)	26-SEP-24			
MCDR17	Rule 45(5)(c	26-SEP-24			

Date :

(RAMKISHAN RAVULA)

Indian Bureau of Mines