

MCDR-Misc/3/2022-HYD-IBM RO\_HYD  
INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION

1/12167/2023

**Mining Plan Modification REPORT**

**Hyderabad regional office**

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

**Mine code :** 38APR01012

- (i) Name of the Inspecting : **RAM** ) **RAMKISHAN R**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri Kamlesh Tembhurne, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 09-JUN-23
- (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 : **tsmdcltd.devapur@gmail.com**  
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 : **50**
- (d) Date of Expiry : **31-MAR-30**
4. Mineral worked : **LIMESTONE** Main

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## 5. Name and Address of the

Lessee : M/S TSMDC LIMITED  
 4TH FLOOR, HMWSSB PREMISES  
 KHAIRTABAD HYDERABAD  
 HYDERABAD TELANGANA  
 Phone:  
 FAX :

Owner : M/s TSMDC Ltd  
 Rear Block, 4 th Floor,  
 HMESSB 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
		MP review under 17(1) MCR 2016	31-MAR-20
		MP review under 17(1) MCR 2016	27-JUL-20

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## 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.	However 26 nos of core boreholes were drilled during the year 2022-23.	Entire mineralised area explored under G1 level. the boreholes were drilled for more accuracy of data as in-filling type of boreholes.
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Rs. 22.42 lakhs	
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 27.07.2020 the Limestone reserves are 20.855 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2023 are limestone: 12.505 milt.t.	grade Cao- 48.85%
1f	General remarks of inspecting officers on geology, exploration etc		the ML area forms part of the region of limestone deposits belongts 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
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2a	Location of development w.r.t.lease area	3 pits were proposed during the year 2022-23 viz., block-A, block-B and Block-C.	2 pits were only developed viz., Block-A and Block-B	due to less production of ROM. violation has already been observed vide letter dated 01.06.2023 by previous inspecting officer for deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	seperate benches Ob and mineral proposed.no top soil generation is envisaged.	mainatined.	
2c	Stripping ratio or ore to OB ratio	1:0.021 t/cu.m. for the year 2022-23.	1:0.15 t/cu.m.	violation has already been observed vide letter dated 01.06.2023 by previous inspecting officer for deviation.
2d	Quantity of topsoil generation in m3	No proposal.	3347 cu.m.	
2e	Quantity of overburden generation in m3	138180 cu.m. for the year 2022-23.	492197 cu.m.	violation has already been observed vide letter dated 01.06.2023 by previous inspecting officer for deviation.
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.	

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 pits during the year 2022-23.	2 pits	

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3b	Quantity of ROM mineral production proposed	5.3 mil.t. for the year 2022-23.	3.29 mil.t.	includes the production from old sub grade dumps as proposed in the mining plan. violation has already been observed vide letter dated 01.06.2023 by previous inspecting officer for deviation. advised the lessee to include the quantity of Mineral rejects generated during the mining operations in ROM production quantity.
3c	Recovery of sailable/usable mineral from ROM production	salable ore 4.8 mil.t	2.94 mil.t.	from in-situ mining
3d	Quantity of mineral reject generation	1.57 mil.t.	0.202 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	Not applicable.	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	

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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 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	123.904 ha at the end of plan period i.e. year 2024-25.	112.44 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.021 t/cu.m. for the year 2022-23.	1:0.15 t/cu.m.	
3o	Total area put in use under different heads at the end of year	198.182 ha at the end of plan period i.e. year 2024-25.	192.69 ha.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 4.34 mil.t. 2019-20: 4.35 mil.t. 2020-21: 4.8 mil.t. 2021-22: 5.3 mil.t. 2022-23: 5.3 mil.t.	2018-19: 4.22 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.	violation has already been observed vide letter dated 01.06.2023 by previous inspecting officer for deviation.

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

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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)	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.	some top soil generated was utilised for plantation.
4b	Location of topsoil, OB and mineral reject dumps	N2103075-N2104100, E234250-E324650 backfilling location	carried out between proposed grid location.	
4c	Number of dumps within lease area and outside of lease area	No proposal during the year 2022-23	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.	provided.	provided.	

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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		solid waste management is carried out as proposed.

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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	area not specified but it is proposed to backfill 138180 cu.m. waste during the year 2022-23.	492197 cu.m.	
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.		backfilling is being carriedm out by waste as proposed.	

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Progressive Mine Clousre Plan:

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PMCP report submitted before 1 st July.	to not submitted.	advised the lessee to submit before 1st July.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	0.655 ha during the year 2022-23.	1.809 ha	over backfilled area.
6d	No. of saplings planted during the year	980 no.s	2239 nos	
6e	Cumulative no .of plants		43725 nos	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs. 6.3 lakh	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	proposed.	carried out	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	138180 cu.m.	492197 cu.m.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	0.655 ha during the year 2022-23.	1.809 ha	

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6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	8.215 ha during the year 2022-23.	Nil	mineral not exhausted at the proposed location
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.

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## 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.	

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal during the year 2022-23.	however some quantity top soil generated was utilised for plantation.	
8b	Concurrent use or storage of topsoil	No proposal.	utilised.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	maintained.	

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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)	980 nos	2239 nos
8g	Survival rate		84%
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		aesthetic beauty in and around the mines area is maintained.

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**Compliance of Rule 45:**


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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.	monthly returns submitted. annual return for the year 2022-23 is not yet submitted.	advised the lessee to submit before 1st July.

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not submitted till the time of inspection date.	Not applicable
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted till the time of inspection date.	Not applicable.
9d	Scrutiny of Annual return on afforestation	Not submitted till the time of inspection date.	Not applicable.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted till the time of inspection date.	Not applicable.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted till the time of inspection date.	Not applicable.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted till the time of inspection date.	Not applicable
9h	Scrutiny of Annual return on fixed assets	Not submitted till the time of inspection date.	Not applicable.
9k	Scrutiny of Annual return on mining machineries	Not submitted till the time of inspection date.	Not applicable.

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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

**Date :****(RAMKISHAN R)**

Indian Bureau of Mines