

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

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR01012

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri Kamlesh Tembhurne, Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 09/12/2022
- (v) Prev.inspection date : 06/08/2021

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** : 14/11/1981
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : DEVAPUR CEMENT WORKS
DISTRICT ADILABAD-504218
ANDHRA PRADESH
3. (a) **Lease Number** : APR0006
- (b) **Lease area** : 210
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 31/03/2030
4. **Mineral worked** : LIMESTONE Main

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/ : 02/11/2011
 Termination date

Geologist

Name : Shri. Jayanth V. Mohgaonkar,Full Time
 Qualification : M.Sc(Geo)
 Appointment/ : 30/07/2015
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	09/03/1995
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	05/11/1999
		Mining Scheme rule 12 MCDR1988	26/08/2005
		Modif.approved Mining Scheme	08/01/2008
		Mining Scheme rule 12 MCDR1988	02/12/2010
		Renewal under rule 24 MCR1960	17/11/2011
		MP modif under 17(3) MCR 2016	06/10/2016
		MP review under 17(1) MCR 2016	31/03/2020
		MP review under 17(1) MCR 2016	27/07/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	No remarks to add.
1b	Exploration over lease area for geological axis 1 or 2	None	None	No remarks to add.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	No remarks to add.
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	No remarks to add.
1e	Balance reserve as on 01/04/20	-----	16 Million tonnes	No remarks to add.
1f	General remarks of inspecting officers on geology, exploration etc	---	None	The entire potentially mineralised area has been explored under G1 level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop during the year 2021-22 between section lines 33 to 35.	Development as proposed was noticed during the inspection.	No deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to maintain separate benches in OB,Topsoil and Mineral.	Separate benches in topsoil/overburden and mineral are being maintained.	No deviation.
2c	Stripping ratio or ore to OB ratio	1:0.09	1:0.33	None
2d	Quantity of topsoil generation in m3	3183 Cubic meters	964 Cubic meters	No remarks to add.

2e	Quantity of overburden generation in m3	208987 Cubic meters	312015 Cubic meters	No remarks to add.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	None	The development and bench maintenance in OB/TS and Ore is being done as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit	1 pit	No deviation
3b	Quantity of ROM mineral production proposed	5.30 Million tonnes for the year 2021-22	3.46 Million tonnes during the year 2021-22	No deviation.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	The entire ROM being consumed in cement plant.
3d	Quantity of mineral reject generation	506910 Cubic meters	95212 Cubic meters	No deviation.
3e	Grade of mineral rejects generation and threshold value declared.	Cao - 34 to 40.20%	Cao - 34 to 40.20%	No remarks to add.
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None

3j	Provision of drilling and blasting in mineral benches	Deep hole drilling with 115mm dia.	Same was noticed during the inspection.	No deviation.
3k	Provision of mining machineries in mineral benches	HEMM deployed for excavation and transportation of the mineral and OB.	Same was noticed during the inspection.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 meter	9 meters	No deviation.
3m	Total area covered under excavation/pits	--	112.94 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.09	1:0.33	No remarks to add.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 4.3 million tonnes 2018-19- 4.3 million tonnes 2019-20- 4.3 million tonnes 2020-21 - 4.8 million tonnes 2021-22 - 5.3 Million tonnes	2017-18 - 4.0 million tonnes 2018-19- 4.2 million tonnes 2019-20- 3.8 million tonnes 2020-21 - 2.9 million tonnes 2021-22 - 3.4 Million tonnes	No deviation.
3q	General remarks of inspecting officers on method of mining etc.	---	---	The exploitation and development of the mine is being carried out 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)	Seperate dumping of overburden and utilisation of topsoil was proposed.	seperate dumping of overburden and the topsoil generated is being utilised for plantation purpose.	No deviation.

4b	Location of topsoil, OB and mineral reject dumps	It was proposed to utilise the topsoil generated for plantation purpose. The overburden generated was proposed to be dumped between section lines ML 23 and ML 29.	Same was noticed during the inspection.	No deviation noticed.
4c	Number of dumps within lease area and outside of lease area	One	One	No deviation.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	One dump between ML 23 and ML 29.	Same was noticed during the inspection.	No deviation.
4e	Number of active and alive dumps.	One	One	No deviation.
4f	Number of dead dumps.	None	None	No deviation.
4g	Number of dumps established.	One	One	No deviation.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes retaining wall constructed.	No deviation.
4i	Length of Retaining wall or garland drain all along dumps	510 meters	510 meters	No deviation.
4j	Number of settling ponds	None	None	No remarks to add.
4k	Specific comments of inspecting officer on waste dump management	None	None	The measures as proposed for waste handling are being implemented by the lessee.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	It was proposed to backfill part of the mined out area during the year 2021-22.	Part of the area has been mined out and same was backfilled during the year 2021-22.	No deviation.
5b	Area under backfilling of mined out area	3.546 ha	3.33 ha	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	It was proposed to utilise the topsoil generated for plantation purpose.	The same was noticed during the inspection.	No deviation.
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	The proposed area for backfilling was 3.546 ha and about 3.33 ha was backfilled during the year 2021-22.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	---	The Annual report on PMCP submitted for the year 2021-22 on time.	No deviation.
6b	Area available for rehabilitation (ha) .	It was proposed to backfill 3.546 ha	3.33 ha backfilled during the year 2021-22.	None
6c	afforestation done (ha).	0.785 ha	2.20 ha	No deviation
6d	No. of saplings planted during the year	1175	2294	No deviation
6e	Cumulative no .of plants	---	41486 no.s	None
6f	Any other method of rehabilitation	It was proposed to backfill during the year 2021-22	As proposed backfilling carried out by the lessee.	No deviation.

6g	Cost incurred on watch and care during the year	---	Rs.2,50,000/- during the year 2021-22	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	3.546 ha by way of backfilling	3.33 ha by way of backfilling	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out regular monitoring of environmental monitoring in both core and buffer zone.	Regular monitoring of environmental parameters being carried out in both core and buffer zone.	No deviation.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	----	The lessee is implementing all the measures as proposed for PMCP.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal was made for grade wise sorting within the lease.	No such practise was noticed during the inspection.	No deviation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	No remarks to add.
7c	Different grade of mineral sorted out at mines.	None	None	No remarks to add.
7d	Any beneficiation process at mines .	No beneficiation process was proposed.	No beneficiation process was noticed during the inspection.	No deviation.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	The entire ROM produced in consumed in the cement plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	3183 Cubic meters	964 Cubic meters	None
8b	Concurrent use or storage of topsoil	It was proposed to utilise the topsoil generated for plantation purpose.	The same was noticed during the inspection.	No deviation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	A seperate dump was proposed for overburden.	a seperate dump is being maintained for overburden.	No deviation.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	It was proposed to utilise the overburden for backfilling purposes.	It was noticed that some part of overburden is being utilised for backfilling.	No deviation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	It was proposed to backfill about 3.546 ha duirng the year 2021-22.	about 3.33 ha was backfilled during the year 2021-22.	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Thicj vegetation was noticed within the lease which was made by the lessee.	No deviation.
8g	Survival rate	90%	90%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to use water sprinklers for dust suppression.	The same was noticed during the inspection.	No deviation.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	None	The proposed environmental measures for reclamation, dust suppression are being implemented. The aesthetic beauty is very good in and around the mining lease.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The monthly and annual return being submitted regularly to this office.	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri Kamlesh Tembhurne and Sri Jayant Mohgaonkar are employed as Mining Engineer and Geologist respectively.	Same was confirmed during the inspection.	No deviation.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Pits - 112.914 ha	Same was confirmed during the inspection.	No deviation.
9d	Scrutiny of Annual return on afforestation	2294 no.s	Same was noticed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	238029 tonnes	Same was verified during the inspection.	No comments to add.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	3.4 million tonnes	Same was confirmed during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	193.65 per tonne	Same was confirmed during the inspection	None

9h	Scrutiny of Annual return on fixed assets	4 crores	The same was not verified.	None
9k	Scrutiny of Annual return on mining machineries	Back hoe - 8 Tipper - 24 Dozer - 2 Drill machine - 2 Explosive van - 2 Air compressor - 3 Front end loader - 2 Water tanker - 3	Same was verified during the inspection.	None

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 :

(SHAIENDRA KUMAR)

Indian Bureau of Mines