

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/ADB/LST-22/HYD

Mine code : 38APR01024

- (i) Name of the Inspecting : M015) MANISH K. MAINDIRATTA
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 15/03/2019
- (v) Prev.inspection date : 12/07/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SALVOI LODHI
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : ADILABAD
- Village : KURREGAD
- Taluka : LUXXETTIPET
- Post office : MANCHERIAL
- Pin Code : 504209
- FAX No. : 08736-52637
- E-mail : mgrmining_mn@accement.com
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 11/02/1969
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S MANCHERIAL CEMENT CO, MANCHERIAL CEMENT WOR
MANCHERIAL, ADILABAD DIST-504209
3. (a) **Lease Number** : APR0001
- (b) **Lease area** : 92.18
- (c) **Period of lease** : 10
- (d) **Date of Expiry** : 10/02/1999
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : MANCHERIAL CEMENT COMPANY LTD.
 PLOT NO.24, PANCHAVATI CO-
 OP H.S.LT ROAD NO.10,
 BANJARA HILLS, HYDERABAD-34
 ADILABAD TELANGANA
 Phone:
 FAX :040-2332664

Owner : P.NAROTHAM RAO
 MANCHERIAL CEMENT CO. (P)
 LTD. MANCHERIAL ADILABAD
 DIST. ADILABAD TELANGANA
 Phone:
 FAX : 08736-252637

Agent : P.KONDALA RAO
 MANCHERIAL CEMENT WORKS
 MANCHERIAL ADILABAD DIST.
 ADILABAD TELANGANA
 Phone: 9642323476
 FAX : 08736-252637

Mining Engineer

Name : M.AGAIHAH, Full Time
 Qualification : B.E
 Appointment/ : 01/05/2008
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	19/12/1988
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/07/1996
		Renewal under rule 22 MCR1960	29/12/2001
		Mining Scheme rule 12 MCDR1988	13/05/2004
		Mining Scheme rule 12 MCDR1988	21/04/2009
		Mining Scheme rule 12 MCDR1988	17/02/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 coreboreholes for 2016-17, 6 coreboreholes for 2017-18,	NIL	Violation pointed
1b	Exploration over lease area for geological axis 1 or 2	Entire area was proposed to be brought under G1 level of exploration.	Work not undertaken	As per data available in the approved document, status of exploration is as under: G1-31.50 hectare G2- 19.80 hectare G3- 29.14 hectare
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal was there in the approved document for expenditure towards exploration.	NIL in 2017-18	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration proposed for bringing the entire lease area under G1 level of exploration	29.14 hectare area is unexplored as per approved review of mining plan.	

1e	Balance reserve as on 01/04/20	reserves as per approved mining Plan under 111/121= 13.3057 million tonnes resources as per approved mining Plan under 111/121= 4.9288 million tonnes depletion during the period 2016-17- 32000 T 2017-18-137040 T 2018-19 (till 10/2/2019)- 132880 T Total depletion = 301920T (0.302 million Tonnes) Balance reserves as per approved mining Plan under 111/121= 13.0037 million tonnes Balance resources as per approved mining Plan under 111/121= 4.9288 million tonnes
1f	General remarks of inspecting officers on geology, exploration etc	The lessee has not undertaken the exploration as proposed. Violation has been pointed out accordingly.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per the approved document pit was between gridlines N 600- N1400 & E100 - E430. In the year 2017-18 production was proposed in the area N1330-N1560 and W100-E20	The mining operation has been confined in the western part of the existing pit which is extending bewtween grid lines N 600-1400.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate working was not anticipated in the approved document.	Mineralised benches are alone worked in the year 2017-18.	

2c	Stripping ratio or ore to OB ratio	No proposal	No O.B generation reported. The working is confined to the mineralised zone only devoid of Overburden.
2d	Quantity of topsoil generation in m3	NIL	NIL
2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The lease area is lying on a hilly terrain and mining operation is confined between 378mRL and 264mRL. The pit dimension is 740x 290m. Lessee need to push the top benches in order to get space for the operation of lower benches.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2017-18= 139600 T 2018-19=142000 T	2017-18= 137040 T 2018-19=132880 T	
3c	Recovery of sailable/usable mineral from ROM production	100% recovery proposed.	100% recovery of useable mineral from ROM Production.	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	

3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not applicable	Not applicable	
3j	Provision of drilling and blasting in mineral benches	Mining proposed by conventional drilling and blasting.	The drilling and blasting is proposed with large dia drilling as proposed and blasting is being undertaken with ANFO and slurry explosive.	
3k	Provision of mining machineries in mineral benches	Mining proposed by mechanised method using excavator and tipper	2 excavators and 3 tippers being used for loading and hauling. Water tanker is used for suppressing the dust. 7-9m benches have been maintained.	Average 9m high benches have been maintained. Bench width has been kept as per MMR.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		The boom length is sufficient for the benches of average 9m high benches	
3m	Total area covered under excavation/pits	34.816 hectare area was proposed to be covered under excavation	about 27 hectare is covered under excavation	
3n	Ore to OB ratio for the pit/mine during the year.	---	----	
3o	Total area put in use under different heads at the end of year		Area under excavtion - about 27 hectare Mineral storage-0.12 hectare Infrastructure, road- about 7 hectare	

3p	Production of ROM mineral during the last five year period as applicable	2016-17=186400T 2017-18=137040T 2018-19 (10.02.2019)=132880T	2014-15=122800T 2015-16=79000T 2016-17=32000T 2017-18= 137040T 2018-19 (10.02.2019)=132880T	The previous approved document and the lease period as per lease deed signed in 1997 expired on 10.02.2019 and the state government has informed IBM that the lease renewal is under processing as per section 8A (6) of MMDR Act.
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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 proposal	Not applicable as area is devoid of topsoil, overburden and mineral rejects.	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable.	Not applicable.	
4c	Number of dumps within lease area and outside of lease area	no proposal	One old low grade dump is within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal in 2017-18	No dump generation reported in 2018-19.	
4e	Number of active and alive dumps.	No dump proposal was there for 2017-18	No active dump is there	One small old stock of low grade mineral is there.
4f	Number of dead dumps.	---	NIL	
4g	Number of dumps established.	---	--	One small old stock of low grade mineral is there.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NIL	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not Applicable in the absence of the dump.	

4j	Number of settling ponds	nil	NIL.	However bottom pit bench is being used as settling pond.
4k	Specific comments of inspecting officer on waste dump management		No waste dump is ther in the lease area.	

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	Extraction has still not been done upto the depth.	
5b	Area under backfilling of mined out area	No proposal	NIL	Area is not mature for the purpose.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal as no top soil generation anticipated.	NO top soil generation in 2017-18. So concurrent use for restoration od mined out land is not applicable.	
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The mining has not extended upto the ultimate pit bottom so backfilling and reclamation are not applicable at present.	

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).		Not submitted	

6b	Area available for rehabilitation (ha) .		The mineral benches at present are not mature for the rehabilitation as the workings have not reached the ultimate pit limit.	
6c	afforestation done (ha).	No proposal as rehabilitation was not proposed.	Not Applicable	However, the lessee has got 1000 saplings planted as general afforestation.(500 within the lease and 500 outside the lease)
6d	No. of saplings planted during the year	No proposal as rehabilitation was not proposed.	Not undertaken accordingly	However, the lessee has got 1000 saplings planted as general afforestation.(500 within the lease and 500 outside the lease)
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Area is not mature for reclamation and rehabilitation by backfilling	However, the lessee has got 1000 saplings planted as general afforestation.(500 within the lease and 500 outside the lease)
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Area is not mature for reclamation and rehabilitation by backfilling	However, the lessee has got 1000 saplings planted as general afforestation.(500 within the lease and 500 outside the lease)
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Area is not mature for reclamation and rehabilitation by backfilling	However, the lessee has got 1000 saplings planted as general afforestation.(500 within the lease and 500 outside the lease)
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Area is not mature for reclamation and rehabilitation .	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Area is not mature for reclamation and rehabilitation of waste land within lease.	However, the lessee has got 1000 saplings planted as general afforestation.(500 within the lease and 500 outside the lease)
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not undertaken accordingly.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not undertaken accordingly.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Report not made available.	lessee is asked to submit the report and violation has been issued for the purpose.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sorting was not proposed	Entire mineral is used	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Not applicable	
7c	Different grade of mineral sorted out at mines.	Single grade for use making clinker.	Not applicable	
7d	Any beneficiation process at mines	No proposal	No benefeciation process except for the crushing in the mine.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NO proposal	No top soil generation reported as such it's removal and utilisation is not applicable.	
8b	Concurrent use or storage of topsoil	Proposed	No top soil generation is reported in 2017-18.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Not applicable	An old low grade mineral stock is there near the crusher.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	no proposal	Not reported.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)			
8g	Survival rate	no proposal in the approved plan	50% survival.	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling tank provided and is being used for the purpose.	

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	---	Lessee has not submitted the Annual return for the year 2017-18.	returns not furnished till the date of inspection and violation for the same has already been provided on the basis of office record.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	----	lessee has appointed both a Mining Engineer and Geologist as per statute.	returns not furnished till the date of inspection and violation for the same has already been provided on the basis of office record. However lessee has appointed both a Mining Engineer and Geologist as per statute.
9d	Scrutiny of Annual return on afforestation	---	----	returns not furnished till the date of inspection and violation for the same has already been provided on the basis of office record. The plantation has been undertaken.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-----	No mineral reject generation reported for the year 2017-18 and 2018-19	returns not furnished till the date of inspection and violation for the same has already been provided on the basis of office record.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	---	reported production of 137040 for the year 2018-19 as per the production register.	returns not furnished on the date of inspection and violation for the same has already been provided on the basis of office record.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	---	Cost of production is reported to be Rs 198 PMT.	returns not furnished on the date of inspection and violation for the same has already been provided on the basis of office record.
9h	Scrutiny of Annual return on fixed assets	--	----	returns not furnished on the date of inspection and violation for the same has already been provided on the basis of office record.
9k	Scrutiny of Annual return on mining machineries	---	Shovel, dumper, drilling machine and crusher has been provided for the purpose	returns not furnished on the date of inspection and violation for the same has already been provided on the basis of office record. However the lessee has provided the adequate machineries for the purpose.

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 11(1)	04/04/2019				
Rule 26(2)	04/04/2019				

Date :

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines