

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/GNR/L.ST-42/HYD

Mine code : 38APR07049

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri Venkata Ramana, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 29/08/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANDADI(50.41 HA) LIMESTO**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : GUNTUR
Village : MANDADI
Taluka : VELDURTHY
Post office : MACHERLA
Pin Code : 522426
FAX No. : 08642-222350, (MINE OFFICE
E-mail : macherla@kcp.co.in
Phone : 08642-222307
- (f) Police Station : VELDURTHY
- (g) First opening date : 01/01/2007
- (h) Weekly day of rest : SUN
2. Address for : M/S.KCP LTD,
correspondance : MACHERLA (P),
GUNTUR DIST
3. (a) Lease Number : APR1344
(b) Lease area : 50.41
(c) Period of lease : 30
(d) Date of Expiry : 19/09/2027
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S K.C.P.LTD
 MACHERLA CEMENT UNIT
 MACHERLA GUNTUR ANDHRA
 PRADESH
 Phone:
 FAX :

Owner : M/S.KCP LTD%
 M/S.KCP LTD,MACHERLA(PO),
 GUNTUR DIST. GUNTUR ANDHRA
 PRADESH
 Phone:
 FAX :

Agent : S.HARINADHA BABU
 C/O KCP LTD MACHERLA GUNTUR
 DISTRICT GUNTUR ANDHRA
 PRADESH
 Phone:
 FAX :

Mining Engineer

Name : A.RADHAKRISHNA,Full Time
 Qualification : B.E(MINING)
 Appointment/ : 23/12/2006
 Termination date

Manager

Name : K.V.RAMANA
 Qualification : L.M.E
 Appointment/ : 19/04/2003
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	09/10/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	13/03/2013
	:	MP modif under 17(3) MCR 2016	09/12/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	7 nos with 210 meters	7 Nos. 137 meters	Bore hole drilled up to shale
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	Lessee	
1e	Balance reserve as on 01/04/20	678000 MT	678000 MT	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In between Section line NN-00	Within the above proposed sections	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes,maintained	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	300 cum	300 cum	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	266352 MT	125000 MT	Less requirement of Limestone due slack in cement market
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	

3j	Provision of drilling and blasting in mineral benches	Yes, deep hole drilling and blasting with depth of 6.6 meters of 115 mm dia	Yes, deep hole drilling and blasting with depth of 6.6 meters of 115 mm dia
3k	Provision of mining machineries in mineral benches	Yes, Excavator-1.7 cum- 01 no., Tippers(17 Ton)-2 no., Wagon drill(115mm)-1 no.	Yes, Excavator-1.7 cum- 01 no., Tippers(17 Ton)- 2 no., Wagon drill(115mm)-1 no.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, top soil bench height of 4 meters and ore bench of 6 meters is to be maintained	Yes, the bench height maintained above are suitable for OB and ore removal as per the field condition.
3m	Total area covered under excavation/pits	32.577 Ha	22.656 Ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	Area under excavation: 37.22 Ha, Infrastructure :6.783 Ha, green belt : 1.444 Ha, Road : 1.253 Ha, backfilled area with partial plantation : 12.19 Ha	Area under excavation: 22.656 Ha, Infrastructure :6.783 Ha, green belt : 1.444 Ha, Road : 1.253 Ha, backfilled area with partial plantation : 12.19 Ha
3p	Production of ROM mineral during the last five year period as applicable	2016-17 : 3,58,716 MT	2016-17 : 1,25,000 MT

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	

4b	Location of topsoil, OB and mineral reject dumps	In between section lines S00-S150, W1150-1325	In between section lines S00-S150, W1150-1325	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside limit	Within limit	In the current proposal of mining plan re-handling of waste dump is proposed and the plan was approved by this office
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	However, Part of the dump is planted which was not active since 2 years
4g	Number of dumps established.	One	part of the dump was stabilised by plantation, further proposal was furnished in the latest document for stabilisation of dump by pitching, plantation etc.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, all along the bottom peripher of waste dump	part of the waste dump was secured by retaining and is under progress.	
4i	Length of Retaining wall or garland drain all along dumps	500 mtrs	200 mtrs	
4j	Number of settling ponds	No proposal	Earlier one settling pond was observed in the lease to store surface runoff water.	

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Entire mineralised area has to be excavated and for preparation for reclamation	Due to less production the same could not be carried out and ore is still present in the lease area.	

5b	Area under backfilling of mined out area	12.19	12.19 Ha
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Yes
5d	Total area fully reclaimed and rehabilitated	Nil	Nil

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).	report to be submitted annually	Yes, Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	800 (0.6 Ha)	1100 (0.75 Ha)	
6d	No. of saplings planted during the year	800	1100	
6f	Any other method of rehabilitation	No	Nil	
6g	Cost incurred on watch and care during the year	Rs 5000	Rs 20000	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Quantum of mineral proposal for production.	125000 MT	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised
7c	Different grade of mineral sorted out at mines.	Nil	Nil
7d	Any beneficiation process at mines .	Dry beneficiation, only Crushing and screening	Dry beneficiation, only Crushing and screening

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes, 300 cum	Yes, 300 cum	
8b	Concurrent use or storage of topsoil	Yes for plantation purpose	Yes utilised for plantation purpose	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, waste material is being proposed for backfilling and rejects are proposed to stack seperately	Yes, the same is found maintained in the mine	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden generated to be used for backfilling of mined out area	Yes, the waste material generated is found utilised fro backfilling in the mined out area.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	additional plantation of 800 sapplings to be carried out	Information of additional plantation carried out in the lessee area by lessee is found maintained, 1100 sapplings were planted during the year.
8g	Survival rate	80%	95%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker is proposed to be carried out for dust suppression	Yes, dust suppression arrangement was observed in the lease area effectively.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The lessee is supposed to exhaust the mine during the last year but could not be achieved due to 1/3 rd production than the production. Backfilling of waste material is being carried out in mined out area and is under progress for restoration of land to the extent possible.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual return has to be submitted in electronic form to IBM	The lessee is submitting the Monthly and Annual return regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MIining engineer : P Venkataraman, Geologist : S Shankar	MIining engineer : P Venkataraman, Geologist : S shankar	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area of excavation : 26.126 Ha, Infrastructure : 6.783 HA, Roads: 1.253 Ha, partial backfilled : 12.19 Ha, Green belt : 2.18	Area of excavation : 25.126 Ha, Infrastructure : 6.783 HA, Roads: 1.253 Ha, partial backfilled : 12.19 Ha, Green belt : 1.714 Ha
9d	Scrutiny of Annual return on afforestation	1100	1100
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	ROM :1,25,000 MT, Nil stock	ROM :1,25,000 MT, Nil stock
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price and production RS. 316.60 per MT	Rs 316. per tonne as per report
9h	Scrutiny of Annual return on fixed assets	Rs. 507012583	Rs. 507012583 as reported.
9k	Scrutiny of Annual return on mining machineries	To submit regularly	Party submitted the annual return of the machineries

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines