

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-218/HYD

Mine code : 38APR11186

- (i) Name of the Inspecting : **M017**) **MANISH K MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri T Jitender Reddy and Sri Jayabharat Reddy Represe
Official with
Designation
- (iv) Date of Inspection : 26/11/2019
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALKUR(149.392 HA)**
- (b) **Registration NO.** : **IBM/12134/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : KURNOOL
Village : PALKUR
Taluka : BANAGANAPALLE
Post office : PALKUR
Pin Code : 518 17
FAX No. :
E-mail :
Phone : 04066929696
- (f) Police Station :
- (g) First opening date : 15/03/2018
- (h) Weekly day of rest : SUN
2. Address for : M/s Sree Jayajothi Cements Pvt. Limited
correspondance Yanakandla Vilage,Banganapalli Mandal
Kurnool district
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S.SREE JAYAJOTHI CEMENTS LTD
KURNOOL ANDHRA PRADESH
Phone:
FAX :

Owner : CHANDRASEKHAR PANDEY
M/s Sree Jayajothi Cements
Pvt Ltd Madhapur Hyderabad
NALGONDA ANDHRA PRADESH
Phone: 40-6629797
FAX :

Agent : Sri B.C.Gurivi Reddy
M/s Sree Jayajothi Cements
Pvt.Ltd Sri
Nagar,Yanakandla(v),
Mandal:Banaganapalle,Dist:K
urnool. KURNOOL ANDHRA
PRADESH
Phone: 7660013042 (Mobile.No.)
FAX :

Manager

Name : T Jitender Reddy
Qualification : B Tech Mining
Appointment/ : 31/03/2018
Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 04/09/2015
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	lease deed executed on 02/01/2017 and mine opened on 15/3/2018.
1b	Exploration over lease area for geological axis 1 or 2	No proposal for the year 2018-19 (Third year)	G1-2.42 hectare G2 15.72 hectare G3-NIL G4- 131.252 hectare	The lessee is supposed to undertake exploration in the fifth year of this block period i.e, in 2020-21 as per approved proposal
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	No proposal.	131.252 hectare of G3 area is required to be upgraded to G1 level of exploration.	
1e	Balance reserve as on 01/04/20	Reserves as per approved mining plan- 9.367mT Remaining resource (221/222)= 11.34mT	Depletion 2016-17- NIL 2017-18-0.005mT 2018-19= 0.365mT Balance reserves as on 1/4/2019= 8.997 mT	

1f	General remarks of inspecting officers on geology, exploration etc	Lease area is in 4 non contiguous blocks and separated by forest area. Block A is the main block where mining is presently being undertaken. There are excluded subblocks within the main block where quarry licences are granted by the state government. These subblocks are at higher elevation, as they consists of high siliceous limestone of flaggy nature exists and being worked as slab quarries.	The cement grade dark limestone in general is overlain by flaggy limestone which is highly siliceous and underlying limestone unit below the dark grey limestone is also reported in the document as subgrade/ high siliceous limestone.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mining was proposed in two blocks south and north of the nalain Block A and 300m aaway from the village area Pit1= E5300-E5500, N14050-NN14300 Pit-2= N14350-14550, E5250-E5500	Only one pit is there , to the south of nalla in block A at location Pit1= E5300-E5500, N14050-NN14300	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No OB and no top soil generation proposed in 2018-19.	No OB and no top soil generated in 2018-19. However for opening of the mine lessee had to remove the slab quarry waste was rehandled and dumped at the other site to open up the faces for mining operation.	

2c	Stripping ratio or ore to OB ratio	No Over burden generation assessed.	No overburden generation reported.
2d	Quantity of topsoil generation in m3	No proposal	Nil generation
2e	Quantity of overburden generation in m3	No proposal	Nil generation
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Mining was proposed in two blocks south and north of the nalain Block A and 300m aaway from the village area Pit1= E5300-E5500, N14050-NN14300 Pit-2= N14350-14550, E5250-E5500	Only one pit is there , to the south of nalla in block A at location Pit1= E5300-E5500, N14050-NN14300a	Mine is being worked with three benches of 7-8m each
3b	Quantity of ROM mineral production proposed	2016-17- 0.4mT 2017-18- 0.4mT 2018-19= 0.4mT	2016-17- NIL 2017-18- 0.005mT 2018-19= 0.365mT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100% recovery in mineralized zone.	

3d	Quantity of mineral reject generation	In the year 2018-19- Nil proposal	Nil generation.	The reject generation was anticipated from a very small portion in the first three years but the area form where the production of mineral reject was anticipated has not been developed yet.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil generation	
3f	Quantity of sub grade mineral generation.	145501 T	132712.14 T of subgrade generated which has been reportedly consumed by simultaneous blending,	
3g	Grade of sub grade mineral generation	no proposal	As reported CaO - 45.20 SiO ₂ - 15.91 T.C - 80.48	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Only simultaneous blending done when required.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not done	
3j	Provision of drilling and blasting in mineral benches	slurry as base charge and ANFO as column charge is proposed with nonel as initiating device	same is being used for the purpose .	

3k	Provision of mining machineries in mineral benches	excavator-tipper are proposed for production	1.0 cu m bucket capacity back hoe type excavator and 5 numbers of 25 tonne tipper are being used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-----	The boom height is sufficient to meet the requirement of 8m bench height	
3m	Total area covered under excavation/pits	7.20 hectare under pit is proposed till 2020-21	3.435 Ha. as on 31/3/2019	due to less production in the first two years of the block period.
3n	Ore to OB ratio for the pit/mine during the year.	-	NO OB generation, only dump rehandling has been done.	
3o	Total area put in use under different heads at the end of year	Bu the end of 20120-21 Proposed area under pit- 7.20 ha.. Waste dump 7.14 ha Infra road etc., - 0.59 Ha. Temporary subgrqade stack-0.92 hectare Plantation (Green belt) - 2.00 Ha.	Broken by pit. -3.435 ha. Waste dump 0.32 Infra road etc., - 1.175 Ha. Plantation (Green belt) - 0.22 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 0.40 mT 2017-18 - 0.40 mT 2018-19- 0.40 mT 2019-20 - 0.40 mT	2016-17 - 0.00 mT 2017-18 - 0.005 mT 2018-19- 0.365 mT 2019-20 - 0.25 mT (as on 31.10.19)	

3q General remarks
of inspecting
officers on
method of mining
etc.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	only dump rehandlings was proposed.	Undertaken accordingly.	
4b	Location of topsoil, OB and mineral reject dumps	Dumping was proposed at location N14000 - 14200 to E 6200 - E 6400	Done at the same location.	
4c	Number of dumps within lease area and outside of lease area	One site proposed for accomodating the rehandled dump	Done accordingly. However separate subgrade dump proposed is not developed as the lessee has consumed the entire mineral.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	6200E-6400E 14000N-14200N	Waste dumps rehandled to SE side of the lease area at the proposed site..	However there area alot of scattered dumps in the lease area as shown in approved document.
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	No proposal	However there area a lot of scattered dumps in the lease area as shown in approved document.	
4g	Number of dumps established.	one subgrade dump proposed for insitu excavtion	No subgrade material dumped. Only meagre quantity of old dump rehandled in the intitial stage thereafter no dumping is done.	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Size of the fresh dump is small.	In order to prevent the rolling of flaggy limestone from the adjacent mine is concerned , safety precautions are required.
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable	
4j	Number of settling ponds	No proposal	Not undertaken.	
4k	Specific comments of inspecting officer on waste dump management			

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 for backfilling	Area is not mature for backfilling.	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposed	No top soil is generated	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	

 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).		submitted	
6b	Area available for rehabilitation (ha) .	No proposal for worked out benches	Area is not mature for rehabilitation of worked out benches.	
6c	afforestation done (ha).	No proposal in worked out benches.	Area is not mature yet for reclamation and rehabilitation in worked out benches.	
6d	No. of saplings planted during the year	No proposal in worked out benches.	Area is not mature yet for reclamation and rehabilitation in worked out benches.	
6e	Cumulative no .of plants	No proposal for plantation over worked out benches	Area is not mature yet for reclamation and rehabilitation in worked out benches.	
6f	Any other method of rehabilitation	----	----	
6g	Cost incurred on watch and care during the year	----	-----	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal for reclamation and rehabilitation by backfilling	Area is not mature for the prupose	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for reclamation and rehabilitation by backfilling	Not undertaken	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal for reclamation and rehabilitation by backfilling	NIL on backfilled area	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal for reclamation and rehabilitation by backfilling	Not done	Area isn not mature for the purpose
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal for reclamation and rehabilitation by backfilling	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	cement grade limestone proposed for production	148 saplings over 0.22 hectare area	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	750 saplings over 0.5hectare area	148 saplings over 0.22 hectare area	Plantation done on 7.5m buffer zone along the lease boundary
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	---	--	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	done accordingly.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	0.4million tonnes of cement grade limestone	entire 0.365million tonnes of cement grade limestone despatched	simultaneous blending is being done.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	cement grade limestone proposed for production	cement grade limestone produced	
7d	Any beneficiation process at mines	No proposal	Not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	NA	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation anticipated	Not done	
8b	Concurrent use or storage of topsoil	No proposal	not done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	separate dump proposed for subgrade material	not made due to utilisation of the mineral by simultaneous blending.	However 6322 te of dump rehandled and dumped at the earmarked place.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable at present
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal for reclamation and rehabilitation except for plantation in the buffer zone	work done is short of proposal
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	750 saplings over 0.5hectare area	148 saplings over 0.22 hectare area
8g	Survival rate	---	70%
8h	Water sprinkling on roads to control airborne dust	proposed	being undertaken regularly
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The lease area is near to the village and R&B road. there are alot of quarries within the lease area and are not included in the major mineral lease of M/s jayajothi Cements. Thye slab quarry is scattered inside the lease area itself and the adjoining area, which does not give a good look to the area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to October 2019 A.R. submitted up to (F.Y. 2018-19)	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sh G.S.S.Naidu Adabala Geologist Sh Venkat Suman Kumar Reddy Mining Engineer	Sh G.S.S.Naidu Adabala Geologist Sh Venkat Suman Kumar Reddy Mining Engineer
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Broken by pit. -3.435 ha. Waste dump 0.32 Infra road etc., - 1.175 Ha. Plantation (Green belt) - 0.22 Ha.	Broadly as per submission.
9d	Scrutiny of Annual return on afforestation	148 saplings within lease and 567 saplings outside Mining lease	broadly as per submission
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL reported	The subgrade generation reported in the register has been utilised by simultaneous blending, as reported.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock 36500 T reported for 2018-19	As per submission
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	CoP and ex mine price submitted as 260.4 Rs PMT with mining cost as 142.62 Rs PMT	Since mining lease is situated away from the lease the exmine price of 260.4 seems to be on higher side.

9h	Scrutiny of	----	----
	Annual return on		
	fixed assets		
9k	Scrutiny of	submitted	the machinery is used
	Annual return on		
	mining		
	machineries		

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed				Show cause position			
Rule NO.		Issued on	Compliance on	Rule NO.		Issued on	Compliance on
MCDR17	Rule 11(1)	11/12/2019	21/05/2020				
MCDR17	Rule 45(7)(a)	11/12/2019	21/05/2020				

Date :

(MANISH K MAINDIRATTA)

Indian Bureau of Mines