

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/GNR/LST-40/HYD

Mine code : 38APR07040

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri G. Chandrasekhar, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 27/08/2024
- (v) Prev.inspection date : 15/07/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PARASAKTI LIMESTONE**
- (b) **Registration NO.** : **IBM/955/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : GUNTUR
Village : JETTIPALEM
Taluka : GURAZALA
Post office : JETTIPALEM
Pin Code : 522421
FAX No. : 040-23735244
E-mail : mines@parasakticement.com
Phone : 08642211962
- (f) Police Station : RENTACHINTALA
- (g) First opening date : 18/04/2005
- (h) Weekly day of rest : SUN
2. Address for : JETTIPALEM (V), RENTACHINTALA (M),
correspondance : GUNTUR DIST.
3. (a) Lease Number : APR2609
- (b) Lease area : 137.69
- (c) Period of lease : 30
- (d) Date of Expiry : 11/10/2037
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : PARASAKTHI CEMENT IND. LTD.
 301, 3RD FLOOR, MANJEERA
 SQUARE, OPP. MYTHRI
 HOSPITAL, AMEERPET
 HYDERABAD HYDERABAD
 TELANGANA
 Phone: 040-23745361
 FAX : 040-23735244

Owner : PARASAKTI CEMENT IND. LTD.
 301, 3RD, FLOOR, MANJEERA
 SQUARE, OPP. MYTHRI
 HOSPITAL, AMEERPET, HYD
 HYDERABAD TELANGANA
 Phone: 040-23745362
 FAX : 040-23735244

Agent : A.SAMBASIVA RAO
 PARASAKTI CEMENT LTD.,
 JETTIPALEM, RENTACHINTALA
 (M) GUNTUR DIST. GUNTUR
 ANDHRA PRADESH
 Phone: 9866700011, 08642-223931
 FAX :

Mining Engineer

Name : Mr.V.Naresh Babu, Full Time
 Qualification : B.Tech(Mining)
 Appointment/ : 13/06/2016
 Termination date

Geologist

Name : M.Ramakrishna Naidu, Full Time
 Qualification : M.Sc Tech (Geology)
 Appointment/ : 01/09/2013
 Termination date

Manager

Name : G.Chandrasekhar
 Qualification : Diploma in Mining Engineering
 Appointment/ : 24/07/2008
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	08/06/2006
		Modif.of approved Mining Plan	04/05/2007
		Modif.of approved Mining Plan	22/06/2010
		Mining Scheme rule 12 MCDR1988	15/10/2015

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	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	Entire mineralised area has been explored under G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Entire mineralised area explored under G1 level.
1e	Balance reserve as on 01/04/20		The limestone reserves as on 01.04.2024 = 87857795 t	Grade Cao% 35-48%
1f	General remarks of inspecting officers on geology, exploration etc			The ML area is part of proterozoic paland basin extending across the krishna rivert. the area is essentially underlain by carbonate rock corelatable to the Narji Limestone formation of Kurnool syatem lithouints belonging to the Jammalamadugu series of Kurnool system.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	pit-1 is being proposed for development during the year 2023-24 in southerside of the lease area.	pit - 1 is being developed.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	top soil is propsoed to be removed by scrapping and benches in mineral are proposed.	mainatined.	No deviation noticed
2c	Stripping ratio or ore to OB ratio	1:0.037 t/cu.m.	1:0.074 t/cu.m.	Nil
2d	Quantity of topsoil generation in m3	10526	Nil	It is informed by the mines manager that being a captive mine production & development were planned as per plant demand.
2e	Quantity of overburden generation in m3	25671	41863	It is informed by the mines manager that being a captive mine production & development were planned as per plant demand.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The development is being done as proposed.	The development is being done as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	Nil

3b	Quantity of ROM mineral production proposed	22,44,001 t	12,97,000 t	Nil
3c	Recovery of sailable/usable mineral from ROM production	2244002 t	1297000 t	Nil
3d	Quantity of mineral reject generation	No proposal.	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal.	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	drilling and blasting is proposed.	Same was noticed during the inspection.	No deviation.
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	same was noticed during the inspection.	No deviation.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 7 meters	Same was observed during the inspection.	No deviation.
3m	Total area covered under excavation/pits	87.229 ha at the end of plan period i.e. year 2024-25	68.12 ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.037	1:0.074	Nil
3o	Total area put in use under different heads at the end of year	70.678 HA	68.12 HA	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20:1799980 t 2020-21:1791794.3 t 2021-22:1782378.1 t 2022-23:1668818 t 2023-24:2244001 t	2019-20:967994 t 2020-21:1140341 t 2021-22:1264952 t 2022-23:1310000 t 2023-24:1297000 t	Nil
3q	General remarks of inspecting officers on method of mining etc.		production is carried out from one pit by opencast mining method as proposed.	production is carried out from one pit by opencast mining method as proposed. production is carried out from one pit by opencast mining method as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	top soil is proposed to be utilised waste generated is proposed to be dumped seperately.	waste is dumped seperatley. top soil is being utilised.	Nil
4b	Location of topsoil, OB and mineral reject dumps	south side of existing pit	south isde of existing pit	Nil
4c	Number of dumps within lease area and outside of lease area	one within ML area	one within ML area	No deviation.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	Nil
4e	Number of active and alive dumps.	one	one	Nil
4f	Number of dead dumps.	No proposal.	Nil	Nil
4g	Number of dumps established.	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	The retaining wall and garland drain of 358 m have already constricted (1.5 m width aand 2.5 m height)	The retaining wall and garland drain of 358 m have already constricted (1.5 m width aand 2.5 m height)
4i	Length of Retaining wall or garland drain all along dumps		The retaining wall and garland drain of 358 m have already constricted (1.5 m width aand 2.5 m height)	The retaining wall and garland drain of 358 m have already constricted (1.5 m width aand 2.5 m height)
4j	Number of settling ponds	No proposal.	Nil	No deviation.
4k	Specific comments of inspecting officer on waste dump management			waste dump managment is carried out.

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.	There is no proposal for reclamation during the year 2023-24	No area mature for reclamation purpose during the year 2023-24	No deviation.
5b	Area under backfilling of mined out area	No proposal.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area matured for reclamation purpose during the year 2023-24.

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).	PMCP report to submitted. be submitted before 1 st July.		Nil
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	Nil
6c	afforestation done (ha).	0.25 ha during the year 2023-24.	0.25 ha	Nil
6d	No. of saplings planted during the year	500 nos. of saplings	500 nos. of saplings	No deviation.

6e	Cumulative no .of plants	WML:29728 no.of saplings. OML:7824 no.of saplings.	WML:29728 nos. of saplings (23.39 HA), OML:7824 nos. of saplings (6.56 HA)	Nil
6f	Any other method of rehabilitation	No proposal.	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	Nil

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits.	No deviation.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed duirng the inspection	No deviation noticed.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	Nil
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	Nil
7d	Any beneficiation process at mines .	There is no proposal for any beneficiation at mines.	No beneficiation practice was noticed at the mines	No deviation noticed.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM (limestone) of cement grade is used at captive plant and no beneficiation practice was noticed at the mines.	Entire ROM (limestone) of cement grade is used at captive plant and no beneficiation practice was noticed at the mines.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to remove topsoil and utilise in simultenaously for plantation purpose.	Same was noticed during the inspection.Same was noticed during the inspection.	There is no deviation.
8b	Concurrent use or storage of topsoil	concurrent usage of top oisl is proposed.	carried out	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	waste dumping is proposed.	carried out	Nil

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 nos of saplings	500 nos of saplings.	No deviation.
8g	Survival rate	80 %	80 %	No deviation.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing all the measures related to maintaining environmental balance.	The over all aesthetic beauty can be rated as above average.

Compliance of Rule 45:

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.	submitted	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the annual return 2023-24, Shri B.Chandu, Mining Engineer and Shri Y.Prabhakar Reddy as Mining Engineer & Geologist.	The same was confirmed during the inspection.	No comments to offer.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under current workings =68.120 ha. Area used for waste disposal=1.950 ha. Area occupied by plant, buildings, residential, welfare buildings and roads=3.70 ha Area use for any other purpose (plantation)=2 3.390 ha.	The same was confirmed during the inspection	No comments to offer.
9d	Scrutiny of Annual return on afforestation	500 nos of saplings.	Same was noticed during the inspection	No comments.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	found to be in order.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM clsoing stock is Nil	found to be in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price was reported as Rs. 179.59/- per tonnes	The same was confirmed during the inspection.	No comments to offer.

9h	Scrutiny of Annual return on fixed assets	Rs.237725194	The same was not scrutinised.	Nil
9k	Scrutiny of Annual return on mining machineries	1)Shovel(Hydraulic)=03 nos. 2)Dumpers=5nos , 3) dozer=1no. 4)Air compressor =2nos., 5)Rock drill=1 no.,6) Explosive van=1 no., 7)Water tanker =1 no.	Same were confirmed during the inspection.	No comments.

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

Date :

(D.P.Ravi kumar)

Indian Bureau of Mines