

MCDR INSPECTION REPORT

S. N.	Particulars	Details
1	Name of the Mine	Ramco Budawada Limestone Mine (R.F)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	160.00 Ha. Forest Land
3	Mine code	638/38APR10031
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/638/2011
5	Name of the lessee, Address, phone, email and fax number	The Ramco Cements Limited Kumarasamyraja Nagar – 521 457, Jaggayyapet Mandal, NTR District, Andhra Pradesh
6	Village	Jaggayyapet
7	Taluk/Mandal	Jaggayyapet
8	District	NTR
9	Pincode	521457
10	State	Andhra Pradesh
11	Post office	KSR Nagar
12	Nearest police station	Chillakallu
13	Nearest Railway station	Bonakallu
14	Date of Grant of Mining Lease	30.10.2008
15	Date of Execution	17.03.2009
16	Date of opening of Mine	01.02.2014
17	Date of first Renewal, if applicable and its period & expiry	As per Sec.8(A)(3) of MMDR Amendment,2015 lease period extended up to 50 years & valid upto 16.03.2059.
18	Date of second Renewal, if applicable and its period & expiry	--
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	--
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri. P.R. Venketrama Raja 98A, Auras Corporate center, Dr. Radhakrishnan Road, Mylapore, Chennai- 600 004 Fax:044-28478676 Ph:044-28478666 Date of appointment: 10.04.2009
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri. P. Jani Reddy KSR Nagar, Jaggayyapet, NTR Dist, A.P. Fax:08654 222532 Ph:08654 224400-09 e-mail: pjr@ramcocements.co.in Date of appointment: 01.08.2017
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri P. Balaji Koteswara Kumar KSR Nagar, Jaggayyapet, Krishna Dist, A.P. Fax:08654 222532 Ph:08654 224400-09 e-mail: bkkp@ramcocements.co.in

		Date of appointment: 20.01.2020
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri P. Balaji Koteswara Kumar KSR Nagar, Jaggayyapet, Krishna Dist, A.P. Fax:08654 222532 Ph:08654 224400-09 e-mail: bkkp@ramcocemetns.co.in Date of appointment: 20.01.2020
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Sri N.Siva Nagaraju KSR Nagar, Jaggayyapet, Krishna Dist, A.P. Fax:08654 222532 Ph:08654 224400-09 e-mail: snn@ramcocemetns.co.in Date of appointment: 04.02.2023
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modifications in the Approved Mining Plan: AP/KSN/MP/Lst-30/HYD, Dt:17.12.2018, valid upto 31.03.2024 5yrs block period: 2019-20 to 2023-24 Modifications in the Approved Mining Plan: AP/KSN/MP/Lst-30/HYD, Dt:07.07.2021, valid from 2021-22 to 2023-24 AP/KSN/MP/Lst-30/HYD, Dt:21.04.2023, valid from 2022-23(01.02.2023) to 2023-24
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	---
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Mechanized
30	Captive/ Non captive	Captive
31	Date of inspection	26.11.2024

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed during the year 2023-24.	Exploration completed in G1 –Category 54 nos Core Bore Holes with meters 3100 and Geological Report submitted on 25.06.2022.	Entire mineralised area has been explored under G1 level.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal during the year 2023-24	Exploration completed in G1 –Category 54 nos Core Bore Holes with meters 3100 and Geological Report submitted on 25.06.2022	Entire mineralised area has been explored under G1 level.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal during the year 2023-24	Entire mineralised area has been explored under G1 level.	Nil.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire area explored in G1 level
1e	Balance reserves as on 01.04.2024.		213569381 Metric tonnes	Nil
1f	General remarks of inspecting officer on geology, exploration etc.		The lessee has carried out exploration over entire potentially mineralised area under G1 scale.	The lessee has complied with the provisions of MCDR,2017 pertaining to drilling/exploration. The Limestone deposit of the Mining lease falls under the Palnadu basin which is equivalent of Narji formation of Kurnool basin.

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N16° 51'27.50" to N16°51'39.90" E80° 04'28.40" to E80° 04'44.70"	Development carried out between the grid location as proposed.	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Nil	Nil
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Nil
2d	Quantity of topsoil generation in m3	No proposal	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.		Development is carried out by opencast mining method as proposed	Development is carried out by opencast mining method as proposed.

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	No deviation
3b	Quantity of ROM mineral production proposed	2500000 MT	1099165.0 MT	As the production is less than 50%, a violation letter issued to the lessee.
3c	Recovery of salable/usable mineral from ROM production	It was proposed to use the entire ROM for the cement plant.	Same was noticed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	No proposal	NIL	Nil
3e	Grade of mineral reject 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	Not Applicable	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	Total ROM is being dispatched to Crusher
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal.	Nil	Nil

3j	Provision of drilling & blasting in mineral benches	It was proposed to Conventional deep hole drilling and blasting	Same was noticed during the inspection.	No deviation.
3k	Provision of mining machineries in mineral benches	It was proposed to use Backhoe Excavators - 2.3 Cu.m Backhoe Excavators - 1.10 Cu.m Cabin Drill – 115mm dia Tipper – 19 Cum Dozer – 180 HP Water Tanker – 10KL Jeep --	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 8 Mtrs	same was noticed during the inspection	No deviation
3m	Total area covered under excavation/pits	11.45 Ha.	8.71 Ha.	The deviation is due to less development/production.
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	a) Mining- 11.35 Ha. b)Roads & Infrastructure- 11.90 Ha. c) Dumps (Mineral Stock)-1.20 d) SCR railway, Ramco Railway, siding and Green belt etc., -14.650	a) Mining- 8.71 Ha. b)Roads & Infrastructure- 11.90 Ha. c)Dumps- (Mineral Stock)-1.20 d)SCR railway, Ramco Railway, siding and Green belt etc.,-14.650	Nil
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 444807 Cu.m (1112018MT) 2020-21: 447476.8 Cu.m (1118692MT) 2021-22: 453748 Cu.m (1134370MT) 2022-23: 202477.4 Cu.m	2019-20: 34080 Cu.m (85200.00 MT) 2020-21: 1600 Cu.m (4000MT) 2021-22: 129545.2 Cu.m (323863MT)	As the production for 2023-24 is less than 50%, a violation letter issued to the lessee.

		(506193.5MT) 2023-24: 1000000 Cu.m (2500000 MT)	2022-23: 186560 Cu.m (466400MT) 2023-24: 439666 Cu.m (1099165 MT)	
3q	General remarks of inspecting officer on method of mining etc.	It was proposed by the lessee to produce 25,00,000 t.	The lessee has produced 10,99,165 t for the year 2023-24.	A violation letter issued.

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	There is no Top Soil. Separate dump for OB	Nil	No deviation.
4b	Location of topsoil, OB & mineral reject dumps	OB Dump: N 16°51'20.35" to N16°51'21.69" E80°04'18.73" to E80°04'21.54"	Nil	No deviation.
4c	Number of dumps within lease area and outside lease area	within Lease area=01 Outside Lease area=Nil	same was noticed during the inspection	01- Temporary Mineral Stock. During the year 2023-24 there is no OB generated.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South side of Mining lease area between AA & BB sections.		
4e	Number of active & alive dumps	01	01	01 –Temporary Mineral stock dump
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilized	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.	Nil	Nil	No dumps are there within or outside the mining lease as on date of inspection.

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on 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 mined out area (Rule 32)	No Proposal.	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No Proposal.	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc		No area matured for reclamation purpose during the year 2023-24.	No area matured for reclamation purpose during the year 2023-24.

Progressive Mine Closure Plan -

S. No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	PMCP report to submitted before 1 st July	Submitted.	No deviation.
6b	Management of Worked / Mined out benches			
	1) Area available for rehabilitation (ha)	No proposal	Nil	Nil
	2) Afforestation done (ha)	No proposal	Nil	Nil
	3) No. of saplings planted during the year	No proposal	Nil	Nil
	4) Cumulative no. of plants	No proposal	Nil	Nil
	5) Any other specific method of rehabilitation	No proposal	Nil	Nil
6c	6) Cost incurred on watch & care during the year	No proposal	Nil	Nil
	Compliance on reclamation and rehabilitation by backfilling	No proposal	Nil	Nil
	i) Voids available for backfilling (L X B X D)			
	ii) Void filled by waste/tailings	No proposal	Nil	Nil
	iii) Afforestation on the backfilled area	No proposal	Nil	Nil

	iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
	v) Any other specific means	No proposal	Nil	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	During the year 3620 nos. of saplings were planted All along the boundary west side for densification.
6e	Compliance of Environmental monitoring (core zone & 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.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	No deviation.

Mineral Conservation

S.N.	Item	Proposals	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 during the inspection	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	There is proposal for grade-wise sorting.	No such grade wise sorting was noticed.	No deviation noticed.
7c	Different grade of mineral sorted out at mines	Not applicable	Not applicable	Nil
7d	Any beneficiation process at mines	There is no proposal for any beneficiation at	No beneficiation practice was	No deviation noticed

		mines.	noticed at the mines.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed during the inspection.	No deviation noticed

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	Nil
8b	Concurrent use or storage of topsoil	No proposal	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate temporary dump for OB	--	During the year 2023-24 OB not generated.
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 & additional plantation done (Rule 41)	1000 Nos	3620 Nos	During the year 2023-24, 3620 nos of saplings planted all along the Mining lease boundary.
8g	Survival rate	-	69.44%	Survived Rate for Plantation
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	Aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45

S.N.	Item	Proposals	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.	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: P. Balaji Koteswara Kumar Geologist: Siva Nagaraju, Mines Manager: P. Balaji Koteswara Kumar	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.	a) Mining- 8.71 Ha. b) Roads & Infrastructure-11.90 Ha. c) Dumps-1.20 d) SCR railway, Ramco Railway, siding and Green belt etc.,-14.65	a) Mining- 8.71 Ha. b) Roads & Infrastructure-11.90 Ha. c) Dumps -1.20 d) SCR railway, Ramco Railway, siding and Green belt etc.,-14.65	No comments to offer.
9d	Scrutiny of Annual return on afforestation	1000 Nos of plants	3620 Nos of plants	No comments to offer.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	Nil	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value is = 0; Ex Mine Price: Rs.244.25	Sale Value is =0; Ex Mine Price: Rs.244.25	No comments to offer.
9i	Scrutiny of Annual return on fixed assets	Rs. 2089077050	Rs. 2089077050	
9k	Scrutiny of Annual return on mining machineries	Backhoe Excavators - 2.3 Cu.m Backhoe Excavators - 1.10 Cu.m Cabin Drill – 115mm dia Tipper – 19 Cum Dozer – 180 HP Water Tanker – 10KL	Backhoe Excavators - 2.3 Cu.m Backhoe Excavators - 1.10 Cu.m Cabin Drill – 115mm dia Tipper – 19 Cum Dozer – 180 HP Water Tanker – 10KL	No comments to offer.

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
11(1)	16.12.2024				

Date: 16.12.2024

(D.P.RAVILUMAR)
Junior Mining Geologist

(Name of inspecting officer with designation and date)