

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/CBT/LST-3.MDS

Mine code : 38TMN02004

- (i) Name of the Inspecting : **N005**) **ANUPAM NANDI**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : P.K.SAHOO, MANAGER
Official with
Designation
- (iv) Date of Inspection : 19/08/2015
- (v) Prev.inspection date : 18/12/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **WALAYAR**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : COIMBATORE
- Village : MAUVTHAMPATTY
- Taluka : COIMBATORE
- Post office : NAVAKKARAI .G.CHAVADI VIA
- Pin Code : 614105
- FAX No. : 0422-2622286
- E-mail : suresh.wandhare@acclimited
- Phone : 0422-2656688
- (f) Police Station : K G CHAVADI
- (g) First opening date : 06/04/1966
- (h) Weekly day of rest : SUN
2. Address for : MADUKKARAI CEMENT WORKS
correspondance : COIMBATORE - 641105
3. (a) Lease Number : TMN0011
- (b) Lease area : 65.15
- (c) Period of lease : 20
- (d) Date of Expiry : 12/02/1984
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ACC LIMITED
MADUKKARAI CEMENT WORKS
MADUKKARAI COIMBATORE
TAMIL NADU
Phone:
FAX :

Owner : KULDIP K KAURA, ACC LTD
Cement House, 121, Maharshi
Road, Mumbai GREATER
BOMBAY MAHARASHTRA
Phone: 0422-2622286
FAX :

Agent : A K SHRIVASTAVA, DIRECTOR
ACC Ltd., Madukkarai Cement
Works, MADUKARAI COIMBATORE
TAMIL NADU
Phone: 0422-2912202
FAX : 0422-2622286

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	20/09/2000
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	29/08/2002
		Mining Scheme rule 12 MCDR1988	24/04/2009
		Mining Scheme rule 12 MCDR1988	25/04/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	0	0	0
1b	Exploration over lease area for geological axis 1 or 2	14	12	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	RMMP Division, ACC Limited. 30 lakhs	RMMP Division, ACC Limited. 24 lakhs	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	NIL
1e	Balance reserve as on 01/04/20	-	11.5	We have drilled 12 bore holes in the year 2014-15. Results of reserve calculation yet to come
1f	General remarks of inspecting officers on geology, exploration etc	NA	NA	NIL

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	SL 13 to SL 20, RL 231-222 SL 36 to SL 42, RL 249-240 SL 01 to SL 04, RL 285-276	SL 13 to SL 20, RL 231-226 SL 36 to SL 42, RL 249-240 SL 01 to SL 04, RL 285-276	As per proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	In all benches ore got exposed. only intermediate burden is there within ore benches. So no OB or Topsoil benches available	In all benches ore got exposed. only intermediate burden is there within ore benches. So no OB or Topsoil benches available	NIL

2c	Stripping ratio or ore to OB ratio	1 : 0.56	1 : 0.97	Limestone production is less than the proposal whereas the development is slightly less than the proposal
2d	Quantity of topsoil generation in m3	0	0	NIL
2e	Quantity of overburden generation in m3	405000 MT	363470 MT	Proposal and actual figures are in tones. The OB includes screen reject, pegmatite and interburdens
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	As per Proposal	No deviation	Nil

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	SL 13 to SL 20, RL 231-222 SL 36 to SL 42, RL 249-240 SL 01 to SL 04, RL 285-276	SL 13 to SL 20, RL 231-226 SL 36 to SL 42, RL 249-240 SL 01 to SL 04, RL 285-276	Proposal have been followed.
3b	Quantity of ROM mineral production proposed	728000 MT	374230 MT	The quantity of ROM is less due to transporters strike and less requirement at our cement plant
3c	Recovery of sailable/usable mineral from ROM production	728000 MT	374230 MT	The quantity of ROM is less due to transporters strike and less requirement at our cement plant
3d	Quantity of mineral reject generation	NA	NA	There is no mineral rejects There is no mineral rejects

3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	There is no mineral rejects
3f	Quantity of sub grade mineral generation.	NA	NA	There is no Sub grade Mineral
3g	Grade of sub grade mineral generation	NA	NA	There is no Sub grade Mineral
3h	Manual / Mechanised method adopted for segregating from ROM	Crushing and screening	Crushing and screening	No manual separation
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Conventional drilling and blasting	Conventional drilling and blasting	NIL
3k	Provision of mining machineries in mineral benches	Shovel and Back Hoe for loading, dumpers for transporting ore	Shovel and Back Hoe for loading, dumpers for transporting ore	Mining Machineries details attached as Annexure
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES	NIL
3m	Total area covered under excavation/pits	56.37 HA	54.50 HA	As per proposal
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.56	1 : 0.97	Limestone production is less than the proposal whereas the development is slightly less than the proposal

3o	Total area put in use under different heads at the end of year	quarried area - 56.37 ha infrastructure & roads - 1.62 ha mineral storage -1.01 ha aste dumps - 6.18 ha	quarried area - 54.50 ha infrastructure & roads 1.62 ha mineral storage - 1.01 ha backfilled area - 1.87 ha waste dumps - 6.18 ha	Proposal followed .
3p	Production of ROM mineral during the last five year period as applicable	3750000	2356943	From 2010-11 to 2014-15 (5 Years)
3q	General remarks of inspecting officers on method of mining etc.	As per proposal	Proposal followed	Nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NA	NO TOP SOIL GENERATION
4b	Location of topsoil, OB and mineral reject dumps	SL 36 to SL 42 & SL C to SL	SL 36 to SL 42 & SL C to SL 4	NIL
4c	Number of dumps within lease area and outside of lease area	3	3	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	SL 36 to SL 42 & SL C to SL 4	SL 36 to SL 42 & SL C to SL 4	NIL
4e	Number of active and alive dumps.	2	2	Backfilling dumps only
4f	Number of dead dumps.	3	3	NIL
4g	Number of dumps established.	3	3	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	GARLAND DRAINS ARE PROVIDED	GARLAND DRAINS ARE PROVIDED	NIL

4i	Length of Retaining wall or garland drain all along dumps	NA	NA	NA
4j	Number of settling ponds	0	0	0
4k	Specific comments of inspecting officer on waste dump management	As per proposal	Proposal have been followed	NIL

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.	SL C to SL 02 area Have been completely excavated	SL C to SL 02 area Have been completely excavated	Backfilling followed Only after complete extraction of mineral.
5b	Area under backfilling of mined out area	0.6 HA	0.5 HA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	NA
5d	Total area fully reclaimed and rehabilitated	0	0	Backfilling is in progress
5e	General remarks of inspecting officers on backfilling and reclamation etc.	As per proposal	Proposal is being followed	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).	YES	YES	NIL

6b	Area available for rehabilitation (ha) .	NIL	NIL	Plantation is more than proposal in worked out benches.
6c	afforestation done (ha).	0.5	0.4	Plantation is more than proposal in worked out benches.
6d	No. of saplings planted during the year	1250	950	Plantation is more than proposal in worked out benches
6e	Cumulative no .of plants	8250	8750	Plantation is more than proposal in worked out benches
6f	Any other method of rehabilitation	NIL	NIL	Plantation is more than proposal in worked out benches.
6g	Cost incurred on watch and care during the year	NIL	350000	Plantation is more than proposal in worked out benches.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	There is no readily available void for reclamation and rehabilitation
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	There is no readily available void for reclamation and rehabilitation
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	There is no readily available void for reclamation and rehabilitation
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	There is no readily available void for reclamation and rehabilitation

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	There is no readily available void for reclamation and rehabilitation
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.5 HA	0.45 HA	BACKFILLING OF SL C to SL 02 AREA BY 0.5 HA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.6	0.5	BACKFILLING OF SL C to SL 02 AREA BY 0.5 HA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	BACK FILLING	BACK FILLING	BACKFILLING OF SL C to SL 02 AREA BY 0.5 HA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Compliance of Environmental monitoring (core zone & buffer zone) i) Air Quality - 5 Nos ii) Water Quality - 4 Nos iii) Noise - 4 Nos iv) Ground Vibration- 4 Nos	i) Air Quality - 5 Nos ii) Water Quality - 4 Nos iii) Noise - 4 Nos iv) Ground Vibration- 4 Nos	Quarterly monitoring have been made.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	As per Proposal	As per Proposal	NIL

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	Ore generated for the year is of cement grade and dispatched
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	NA
7c	Different grade of mineral sorted out at mines.	NA	NA	NA
7d	Any beneficiation process at mines	NA	NA	NA
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	As per proposal	As per proposal	NIL

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	NA
8b	Concurrent use or storage of topsoil	NA	NA	Top soil generation is NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	All the waste material is used for back filling
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	All the waste material will be used for back filling	All the waste material will be used for back filling	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	BACKFILLING OF SL C TO SL 02 SL36 TO SL42 AREA BY 0.6 HA	BACKFILLING OF SL C TO SL 02 SL36 TO SL42 BY 0.6 HA	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1250	950	FOR THE YEAR 2014-15
8g	Survival rate	85%	85%	NIL
8h	Water sprinkling on roads to control airborne dust	1. spraying of water by water tanker on road 2. water spray for the drilling machines to control at the source 3. Water sprinkler at Road ways 4. At crusher water spraying arrangement.	1. spraying of water by water tanker on road is being done 2. water spray for the drilling machines to control at the source 4. At crusher water spraying arrangement provided	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Proposal given is correct	Proposal is being followed.	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R SUBMITTED UPTO JULY 15. A.R SUBMITTED UPTO 2014-15.	INFORMATOON WAS FOUND CORRECT	COMPLIED
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	All information were given.	All information was found correct.	NIL

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	All information were given.	Land use information was found correct.	NIL
9d	Scrutiny of Annual return on afforestation	Information was given	Information was found correct.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	All information were given.	All information were given.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	All information were given.	All information was found	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information given.	All information was found correct.	NIL
9h	Scrutiny of Annual return on fixed assets	Information given	Information was found correct.	NIL
9k	Scrutiny of Annual return on mining machineries	Information given	Information was found correct.	NIL

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 :

(ANUPAM NANDI)

Indian Bureau of Mines