

**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 : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR. SAHU -MANAGER(MINES) ,AGM
Official with
Designation
- (iv) Date of Inspection : 25-MAY-17
- (v) Prev.inspection date : 05-JAN-17

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-APR-66
- (h) **Weekly day of rest** : SUN
2. **Address for** : MADUKKARAI CEMENT WORKS
correspondance COIMBATORE - 641105
3. (a) **Lease Number** : TMN0011
- (b) **Lease area** : 65.18
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 12-FEB-84
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-SEP-00
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	29-AUG-02
		Mining Scheme rule 12 MCDR1988	24-APR-09
		Mining Scheme rule 12 MCDR1988	25-APR-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	No proposal in 2016-17	not applicable	nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	nil	nil	nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Exploration completed in total lease area.
1e	Balance reserve as on 01/04/20	-	4.20 MILLION TONES	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	THE AREA IS FULLY EXPLORED.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the south side of Lease area	In the south side of Lease area	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches in topsoil and overburden benches	No separate benches in topsoil and overburden benches	The deposit formation is limestone band with intrusion of clay, oolite and pegmatite. Hence no separate benches for topsoil and OB.
2c	Stripping ratio or ore to OB ratio	1:0.57	1:0.77	Proposed and actual for the year 2016-17.
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	1)2014-2015 = 404681 tonnes 2) 2015-2016 =572251 tonnes 3)2016-2017 =413802 tonnes	1)2014-2015 = 363470 tonnes 2) 2015-2016 = 313470 tonnes 3)2016-2017 = 350955 tonnes	Waste rock and rejects for first 3 years of the scheme period
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	NIL SATISFACTORY

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	NIL
3b	Quantity of ROM mineral production proposed	1)2014-2015 = 728494 tonnes 2) 2015-2016 =732276 tonnes 3)2016-2017 =725493 tonnes	1)2014-2015 = 374230 tonnes 2) 2015-2016 = 402300 tonnes 3)2016-2017 = 466080 tonnes	ROM production for first 3 years of the Scheme period

3c	Recovery of saleable/usable mineral from ROM production	There is no saleable mineral. All ROM is being used for captive consumption.	There is no saleable mineral. All ROM is being used for captive consumption.	There is no saleable mineral. All ROM is being used for captive consumption.
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	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	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	YES	YES DRILLING AND BLASTING IS DOEN IN ALL BENCHES	NIL
3k	Provision of mining machineries in mineral benches	YES	3 loading machines, 4 dumpers, 2 drill machines deployed.	NIL
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	54.4	54.4	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.57	1:0.75	NIL

3o	Total area put in use under different heads at the end of year	MINING=49.4HA DUMP=1.5HA OTHERS=1.6 ROADS=1.40HA GREEN BELT=.5HA	MINING=49.4HA DUMP=1.5HA OTHERS=1.6	NIL
3p	Production of ROM mineral during the last five year period as applicable	1)2014-2015 = 728494 tonnes 2) 2015-2016 =732276 tonnes 3)2016-2017 =725493 tonnes	1)2014-2015 = 374230 tonnes 2) 2015-2016 = 402300 tonnes 3)2016-2017 = 466080 tonnes	NIL
3q	General remarks of inspecting officers on method of mining etc.	-	-	SATISFACTORY

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no top soil and mineral rejects. Only screen rejects are being used for back filling contains sillicious material.	There is no top soil and mineral rejects. Only screen rejects are being used for back filling contains sillicious material.	nil
4b	Location of topsoil, OB and mineral reject dumps	East and west side of ML Area	East and west side of ML Area	nil
4c	Number of dumps within lease area and outside of lease area	5	5	nil, In lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	East end side, West end side and south side of ML Area	East end side, West end side and south side of ML Area	nil

4e	Number of active and alive dumps.	2	2	In the east and west end side of the mine lease.
4f	Number of dead dumps.	3	3	nil
4g	Number of dumps established.	3	3	3
4h	Whether Retaining wall or garland drain all along dumps are there.	No retaining wall or Garland drain	No retaining wall or Garland drain	The old dumps are stabilised with plantaion. Present dumping is for back filling purpose.
4i	Length of Retaining wall or garland drain all along dumps	The old dumps are stabilised with plantaion. Present dumping is for back filling purpose.	The old dumps are stabilised with plantaion. Present dumping is for back filling purpose.	nil
4j	Number of settling ponds	0	NIL	NIKL
4k	Specific comments of inspecting officer on waste dump management	-	-	satisfactory

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.	-	Some location of Mineral extracted and back filling in progress in easernt end and western end.	nil
5b	Area under backfilling of mined out area	-	1.87 Ha	nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	west side	No top soil availabe, the screen rejects are used for backfilling	nil

5d	Total area fully reclaimed and rehabilitated	nil	Backfilling is in progress.	Backfilling is in progress.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	satisfactory

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	yes submitted	nil
6b	Area available for rehabilitation (ha) .	nil	nil	nil
6c	afforestation done (ha).	200	200	In the eastern side. Less plantation due to poor monsoon.
6d	No. of saplings planted during the year	200	6.18 Ha (old matured dumps) 200 sapling	6.18 Ha (old matured dumps) 200 sapling planted
6e	Cumulative no .of plants	9000	9000	nil
6f	Any other method of rehabilitation	nil	nil	nil
6g	Cost incurred on watch and care during the year	Rs 40000/-	rs 40000/-	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	300m* 100m* 40m	300m* 100m* 40m	nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Waste rock/Rejects material	Waste rock/Rejects material	Backfilling in the mined out area in the eastern and western end.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	nil	nilBack filling is going on . Once backfilling is completed, afforestation will be started over the backfilling area.	Back filling is going on . Once backfilling is completed, afforestation will be started over the backfilling area.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	no	nil	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	nil	nil	nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	nil	nil	no waste land within the lease.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	nil	nil	no waste land within lease
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	nil	nil	no waste land iwthinlease area

6p	Compliance of environmental monitoring (core zone and buffer zone)	"Ambient Air quality Monitoring - Qrtly Water quality monitoring - Qrtly noise monitoring - Qrtly Ground vibration - every blasting"	done	nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	nil, satisfactory

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	Not Applicable
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical but no grade wise sorting	Not Applicable	Not Applicable
7c	Different grade of mineral sorted out at mines.	nil	nil	nil
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	Not Applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	no benification at mines site

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil Not applicable	No top soil Not applicable	No top soil hence not applicable
8b	Concurrent use or storage of topsoil	No top soil Not applicable	No top soil Not applicable	No top soil Not applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	no	no	No separate dumps for rejects, and it is used for bakfilling of minedout area
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Rejects, it is used for bakfilling of minedout area	No separate dumps for rejects, and it is used for bakfilling of minedout area	No separate dumps for rejects, and it is used for bakfilling of minedout area
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling of Mined out pits	Backfilling is in progress in Mined-out locations	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	At present the old dumps has been afforested . Area -6.18 ha	At present the old dumps has been afforested . Area -6.18 ha
8g	Survival rate	85%	60%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	YES	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	SUBMITTED	SUBMITTED IN TIME	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	EMPLOYED EXCEPT GEOLOGIST	GEOLOGIST PARTLY EMPLOYED	VIOLATION POINTED OUT
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	GIVEN	AS PER RETURN	NIL
9d	Scrutiny of Annual return on afforestation	PROVIDED	AS PER RETURN	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	PROVIDED,NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	STOCK NIL	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL CAPTIVE MINE	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	GIVEN	AS PER RETURN	NIL
9k	Scrutiny of Annual return on mining machineries	GIVEN IN RETURN	AS PER RETURN	NIL

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 :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines