

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/TCR/LST-43-Mds

Mine code : 38TMN24005

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh Priestly, AGM(Mines),MR. BHASKER-GEOLOGIST
Official with
Designation
- (iv) Date of Inspection : 24-SEP-18
- (v) Prev.inspection date : 18-SEP-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PUDUPALAYAM
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : PERAMBALUR
- Village : PUDUPPALAYAM
- Taluka : ARIYALUR
- Post office : REDDIPALAYAM
- Pin Code :
- FAX No. : 04329-248248
- E-mail : dal_mines @indiacements co
- Phone : 044-28521526,28521527,2857:
- (f) **Police Station** : ARIYALUR
- (g) **First opening date** : 11-DEC-89
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : INDIA CEMENTS LIMITED
DHUN BUILDING, NO.827, ANNA SALAI
CHENNAI - 2
3. (a) **Lease Number** : TMN1034
- (b) **Lease area** : 29.3
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 08-FEB-09
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : THE INDIA CEMENTS LIMITED
 DHUN BUILDING 827, ANNA
 SALAI CHENNAI CITY TAMIL
 NADU
 Phone:044-28521526, 28521527,28572100,28572400
 FAX :044-28526311

Owner : R K DAS, THE INDIA CEMENT LTD
 Coramandel Tower,
 93,Karpagam Avenue Sandome
 high road, R.A.Puram
 CHENNAI CITY TAMIL NADU
 Phone: 044-28521526,28
 FAX : 04428526311, 04

Agent : K.RAJENDRAN
 THE INDIA CEMENTS LTD
 DALAVOI WORKS ARIYALUR
 TAMIL NADU
 Phone: 04329-248222, 9994895501
 FAX : 04329-248248

Mining Engineer

Name : E.MOHAN,Full Time
 Qualification : B.E MINING
 Appointment/ : 24-APR-07
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30-AUG-04
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	20-APR-09
	:	Mining Scheme rule 12 MCDR1988	02-APR-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NO PROPOSAL FOR THE YEAR 2017-18	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	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	NIL
1e	Balance reserve as on 01/04/20	0.322 MILLION TONNES	0.322 MILLION TONNES	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NA	NA	SATISFACTORY

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	EASTERN AND WESTERN SIDE OF THE LEASE	EASTERN AND WESTERN SIDE OF THE LEASE	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	PROPOSED	AS PER PROPOSAL IT IS MADE	NIL
2c	Stripping ratio or ore to OB ratio	1:0.52	1:0.66	NIL
2d	Quantity of topsoil generation in m3	26371.88	11531.25	NIL
2e	Quantity of overburden generation in m3	37496 MT	29497.34 MT	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	NA	SATISFACTORY
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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	187478 M3	179120 M3	WITHIN THE PERMITTED QUANTITIES.
3c	Recovery of sailable/usable mineral from ROM production	149982 MT	149622 MT	NIL
3d	Quantity of mineral reject generation	37496 MT	29497.34 MT	NIL
3e	Grade of mineral rejects generation and threshold value declared.	>18 % SIO2	SIO2>18 %	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED METHOD IS ADOPTED	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	NIL
3j	Provision of drilling and blasting in mineral benches	YES	IT IS BEING DONE	NIL

3k	Provision of mining machineries in mineral benches	YES	YES IT IS ENGAGED	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	AS PER PLAN	NIL
3m	Total area covered under excavation/pits	20.62.0 HA	16.50 HA	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.52	1:0.66	NIL
3o	Total area put in use under different heads at the end of year	MINING=20.62 OB DUMP=4.11.5HA MINERAL STORAGE=0.51HA IFRA=0.05HA ROADS=0.65HA PROTECTIVE BUNDS=1.61.5 HA	MINING=16.50 OB DUMP=4.11.5HA MINERAL STORAGE=0.51HA IFRA=0.05HA ROADS=0.65HA PROTECTIVE BUNDS=1.61.5 HA	SATISFACTORY
3p	Production of ROM mineral during the last five year period as applicable	2013-14=183880 2014-15=187482 2015-16=187496 2016-17=187492 2017-18=187478	2013-14=171021 2014-15=165040.10 2015-16=155617.67 2016-17=184282.26 2017-18=179120.90	WITH THE PROPOSAL
3q	General remarks of inspecting officers on method of mining etc.	NA	NA	SATISFACTORY

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	IT IS IN PRACTICE	NIL
4b	Location of topsoil, OB and mineral reject dumps	WEATERN SIDE OF THE LEASE.	WEATERN SIDE OF THE LEASE.	NIL

4c	Number of dumps within lease area and outside of lease area	ONE DUMP WITHIN THE LEASE AND ONE DUMPYARD FOR BACKFILLING	ONE DUMP WITHIN THE LEASE AND ONE DUMPYARD FOR BACKFILLING	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OUTSIDE THE UPL	OUTSIDE THE UPL	NIL
4e	Number of active and alive dumps.	NIL ONE= ALIVE	NIL ONE ALIVE	NIL
4f	Number of dead dumps.	ONE OUT SIDE THE UPL	ONE OUT SIDE THE UPL	NIL
4g	Number of dumps established.	ONE	ONE	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	YES GARLAND DRAIN HAS BEEN MADE.	YES GARLAND DRAIN HAS BEEN MADE.	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	ONE	ONE	NIL
4k	Specific comments of inspecting officer on waste dump management	NA	NA	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.	BACKFILLED IN MINED OUT AREAS	BACKFILLED IN MINED OUT AREAS ASPER PLAN	NIL
5b	Area under backfilling of mined out area	1.05.0HA	0.15 HA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	YES	ITS IS DONE IN BACKFILLED AREA AND BALANCE AREA IS KEPT FOR WATER RESERVOIR	NIL

5d	Total area fully reclaimed and rehabilitated	0.76 HA	0.76 HA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	NA	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).	YES	SUBMITTED IN TIME	NIL
6b	Area available for rehabilitation (ha) .	1.05.0	0.15.0	NIL
6c	afforestation done (ha).	0.76HA	0.76HA	NIL
6d	No. of saplings planted during the year	500	550	NIL
6e	Cumulative no .of plants	NA	5300 NOS	NIL
6f	Any other method of rehabilitation	BACKFILLING BY OB/REJECTS	BACKFILLING METHOD	NIL
6g	Cost incurred on watch and care during the year	NA	0.60 LACS	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	51X161X11 M3	50X30X11 M3	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.05 HA	0.15 HA	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	5300 NOS OF SAPLINGS PLANTED	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NO LAND AVAILABLE	NO LAND AVAILABLE	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	QUARTERLY DONE	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	NA	SATISFACTORY

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	YES	DONE AT MINES SITE	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	MECHANICAL	NIL
7c	Different grade of mineral sorted out at mines.	YES ONLY WITH SIO2<18 %	YES ONLY WITH SIO2<18 %	NIL
7d	Any beneficiation process at mines .	NA	NA	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	NA	SATISFACTORY

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	YES	SEPERATELY STACKED AND UTILIZED	NIL
8b	Concurrent use or storage of topsoil	YES	PARTIALLY UTILIZED CONCURRENTLY	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	YES IT IS MADE	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	PARTLY IT IS RESTORED TO ORIGINAL GROUND LEVEL	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	IT IS DONE	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 NOS LAST YEAR TOTAL=NA	550 NOS TOTAL=5300 NOS	NIL
8g	Survival rate	90%	85%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	WATER TANKLER IS USED	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	NA	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	GIVEN IN AR	PRESENT AT SITE	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	GIVEN	AS GIVEN	NIL
9d	Scrutiny of Annual return on afforestation	PROVIDED	FOUND AS PROVIDED	NIL

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	GIVEN AS MINERAL REJECTS	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NO STOCK	NO STOCK FOUND	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NO SALE OF ORE CAPTIVE MINES	CAPTIVE MINE AS MENTIONED IN AR	NIL
9h	Scrutiny of Annual return on fixed assets	PROVIDED	GIVEN	NIL
9k	Scrutiny of Annual return on mining machineries	PROVIDED	PROVIDED	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 :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines