

TMIS MCDR DATA BASE

1. Mine Details		2. Inspection Details	
Name of Mine	Narmada Cement Mine	Mine file no.	
Name of the lessee	UltraTech Cement Ltd.	Mine code No.	38GUJ02004
Lease area	565.94 ha	Date of first opening	Sept. 1982
Date of execution	02.01.1979	Date of inspection	11.07.2017
Expiry date	Original lease was valid till 01.01.1999 and was under deemed renewal (Applied for renewal on 18.9.97) Now as per MMDR Amendment Act, 2015 under Section 8(A) (5) or (6) the lease is valid till 31.03.2030	Earlier two dates of inspection	14.12.2014 & 12.02.2016
State	Gujarat	Name & Designation of the inspecting officer	Shri G.Ram Sr.ACOM
District	Amreli	ID of inspecting officer	
Police Station	Jafarabad	Type of inspection	MCDR
Post	Jafarabad	Name & designation of mine official accompanying	Bharat Gokharu Asst.General Manager (Mines)
Village	Babarakot	Weekly day of rest	Sunday
Pin Code	365540	Type of Mine (OC, UG, BOTH)	Opencast
Phone with STD code	02794-245121	Category of mines (A-Mech, A1-Mnual, B-Manual, B1-Very small)	A- Mechanized
Fax with STD code	02794-245110		
e-mail	deepak.mahule@ adityabirla.com	Status of Mines Captive to the Cement Manufacturing Plant of UltraTech Cement, Unit: Jafarabad Works	

3. LAND DETAILS (WITHIN LEASE AREA as on 31.03.2017)

Code	Type of land	Area ha	Code	Type of land	Area ha
1	Reserve forest	177.25	18	Degraded land by dump	13.49
2	Protected forest	-	19	Degraded land by pit in forest	79.29
3	Forest unclassified	-	20	Degraded land by dump in forest	-
4	Forest sanctuary	-	21	Degraded land by pit in non-forest	185.31
5	Forest national park	-	22	Degraded land by dump in non-forest	13.49
6	Forest mineralized	177.25	23	Degraded land by road in forest	90.030
7	Forest non mineralized	-	24	Degraded land by road in non-forest	
8	Non forest Private land	-	25	Degraded land by plant building Town in forest	
9	Non forest agricultural irrigated land	-	26	Degraded land by plant building, Town in non-forest	
10	Non forest agriculture non irrigated land	160.64	27	Degraded land by tailing pond in forest	-
11	Non-forest Pvt. Other land	-	28	Degraded land by tailing pond in non-forest	-
12	Non forest Govt. grazing land	-	29	Degraded land others in forest	-
13	Non forest Govt. waste land	228.05	30	Degraded land other in non-forest	-
14	Non forest Govt. other land	-	31	Forest land acquired	-
15	Non forest mineralized	388.69	32	Non forest land acquired	388.69
16	Non forest non mineralized land	-	33	Area in forest	177.25
17	Degraded land by pit	264.00	34	Area in non-forest	388.69

4. MINERAL

Main Mineral(s)	Associated Mineral(s)	Captive use Yes/no	End product	Non captive use		Remarks
				Domestic (Y/N)	Export (Y/N)	
Limestone	Marl	Yes	Clinker & Cement	N.A.		

5. MINING PLAN/ MINING SCHEME

Date of approval of mining plan with no	Additional conditions	Date of approval of mining scheme				Remarks
07.09.1998 682(23)(853)/98-MCCM (N) UDP	Nil	I st	II nd	III rd	IV th	In Force
		7/9/1998	1/4/2005 Modified 20/5/2005	1/4/2009	29.5.2014	

6. NOMINATED OWNER/ AGENT DATA

	A. Lessee	B. Owner	C. Agent
Name of	UltraTech Cement Ltd.	Mr. K.K.Maheswari	Mr. Deepak Mahule
Date of Nomination	-	03.08.2016	05.12.2014
Postal address, State	Unit: Narmada Cement-Jafarabad works	'B' Wing, 2 nd Floor, Ahura Centre, Mahakali Caves Road, Andheri (E)	Ultra Tech Cement Ltd Unit : Narmada Cement Jafarabad works
District	Amreli-Gujarat	Andheri (E)	Amreli-Gujarat
Village & Post	Jafarabad	-	Jafarabad
Pin Code	365540	400 093	365540
Fax	(02794)245110/245357	022 - 66928109	-
E-mail	-	occupierutcl@adityabirla.com	deepak.mahule@adityabirla.com
Phone	-	022 - 66917800	07622011414

7. MINING ENGINEER/ GEOLOGIST DATA (APPOINTED UNDER RULE 42 OF MCDR, 1988) AND MINES MANAGER (APPOINTED UNDER MMR, 1961)

Status	Name	Designation	Educational Qualification	Date of appointment	Remark
Mining Engineer	Mr.Bharat Gokharu	Asst. General Manager (Mines)	BE (Mining)FCC (R), PGDBM	31.12.2016	
Geologist	Dr.R.K.Mishra	Dy. Manager	Ph.D- Geology	25.08.2015	
Manager	Mr.Bharat Gokharu	Asst. General Manager (Mines)	BE (Mining)FCC (R), PGDBM	24.08.2016	

8. EXPLORATION**a) Cumulative exploration as on 01.04.2017**

No. Of boreholes	520	Nos. of pits	Nil	Nos. of trenches	Nil
Grid Interval (m)	50-100				
Max Depth (m)	69	Max Depth (m)	-	Max length (m)	-
Min. depth (m)	5.0	In-depth (m)	-	Min. length (m)	-
Total meterage	13999	Total meterage	-	Total length (m)	-

b) Exploration carried out during the year 2015-16

No. of boreholes	-	Nos. of pits	-	Nos. of trenches	-
Grid interval (m)	-	NA		NA	-
Max Depth (m)					
Min. depth (m)	-	NA	-	NA	-
Total meterage	-	NA	-	NA	-

c) Exploration carried out during the year 2016-17

No. of boreholes	23	-	Nos. of pits	-	Nos. of trenches	-
Grid interval (m)	100 X 100 37	-				
Max Depth (m)	05	-	Max Depth (m)	-	Max Length (m)	-
Min. depth (m)	643	-	Min depth (m)	-	Min length (m)	-
Total meterage		-	Total meter age	-	Total length (m)	-

d) Cumulative Exploration carried out as on date of inspection

No. of boreholes	520	Nos. of pits	-	Nos. of trenches	-
Grid Interval (m)	50-100				
Max Depth (m)	69	Max Depth (m)	-	Max length (m)	-
Min. depth (m)	5.0	Min.depth(m)	-	Min. length (m)	-
Total meterage	13999	Total meterage	-	Total length (m)	-

9. EXPLORATORY MINING YEAR - NA

	Proposed nos.		Min Depth		Max Depth		Total Depth/Length	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
i) Shafts	-	-	-	-	-	-	-	-
ii) Inclines	-	-	-	-	-	-	-	-
iii) Adits	-	-	-	-	-	-	-	-
iv) Drive	-	-	-	-	-	-	-	-
v) Cross cuts	-	-	-	-	-	-	-	-
vi) Winze	-	-	-	-	-	-	-	-
vii) Modifications	-	-	-	-	-	-	-	-

10. EXTENT OF OPEN-PIT DEVELOPMENT

Opencast mining & date of inspection: 11.07.2017

Pit No.	Pit size	No. of benches in OB	Height of benches	Width (m)	No. of benches in ore	Average Height (m)
	There is very little overburden occurring as loose sand & silt at few places in North Block & East Block				1 - North Block Bench-I Bench-II Bench-III Bench-IV Bench-V 2. East Block Surface Miner	4 6 5 6 6 --
					East Block- Mining is carried out by Eco-friendly surface miner through slicing in small blocks.	

Pit	Type	Max. Width (M)	Length (M)	Pit depth (M)	Top RL (m)	Bottom RL (m)	Overall slope (with Horizontal)
North Block	Conventional	1100	1200	31	34	3	70°
East Block	SM-Pit-1	235	290	20	24	4	65°
	SM-Pit-2	160	165	20	22	2	50°
	SM-Pit-3	129	150	20	22	2	55°

Data to be entered for bench having maximum height and width

11. EXTENT OF UNDERGROUND DEVELOPMENT

i) Details of Shaft

Shaft no./ name	Shaft top RL	Shaft bottom RL	Depth(m)
Not Applicable			

ii) Details of incline

Incline no./ name	Incline top RL	Incline bottom RL	Length(m)
Not Applicable			

iii) Details of Adit

Level no./ Name	Level RL	Level length
Not Applicable		

iv) Details of Level

Level no./ Name	Level RL	Level length
Not Applicable		

12. (i)

Shaft no./ name	Shaft top RL	Shaft bottom RL	Depth (m)
Not Applicable			

(ii) Details of incline

Incline no./ name	Incline top RL	Incline bottom RL	Length (m)
Not Applicable			

Not Applicable

(iii) Details of Adit

Level no./ Name	Level RL	Level length
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Not Applicable

(iv) Details of Level

Level no./ Name	Level RL	Level length
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Not Applicable

13. REHABILITATION OF QUARRIES**Quarry/ open pit**

Year	Area broken (Ha)	Area reclaimed (Ha)	Area matured for reclamation	% of Reclamation	Area rehabilitated (Ha)			Total area rehabilitated (Ha)
					BF	WR	OM	
Cumulative as on 1.4. 17	264.60	39.65	-	15	26.07	6.5	-	39.65
During the previous year 2016-17	2.7	3.5	-	-	3.5	0	-	3.5
During the year 17-18 Till (11.07.2017)	0	0	-	-	0	0	0	0
Cumulative as on date of inspection on.	264.60	39.65	-	15	27.67	6.5	-	39.65

BF = Back filled, WR = Water reservoir, OM = other means, Remarks = Under remarks give post mining land use of the area reclaimed.

14. CHARACTERISTICS OF WASTE DUMP AND TOP SOIL DUMP**i) Dump details**

Dump No.	Dump type/TS/OB /MR/SGM	Co-ordinates		Area (Sq. m)	Height (m)	Angle (Deg.)	Capacity (cu.m.)
		ML	SL				
1	OB			134900	5	37 ⁰	700000

ii) Top soil dump

Top soil (MT)	Quantity generated	Quantity used	Quantity stored	% stored	% utilization	Purpose of utilization
Cumulative as on 1.4. 17	384778	364293	20485	5.3%	94.70%	Plantation & agricultural improvement
During the previous year 2016-17	2592	2592	0	0	100 %	
During the year 2017-18 (As on 11.07.2017)	12260	6500	5760	47	53 %	
Cumulative as on date of inspection	281780	255567	26213	9.3	90.70	

15. OVERBURDEN AND WASTE GENERATION.

Cumulative O.B. removed as on 01.04.2017 (CuM)	OB removed in previous year (CuM) 2016-17	OB removed in current year (CuM) 2017-18	OB removed as on date of inspection (CuM)	Ore O.B. ratio 2016-17 (CuM)	Ore O.B. ratio 2017-18	Whether dumping on mineralized ground (Y/N)	Remark, if dumped on mineralized ground
2526058	13220	32190	2558248	1:0.009	1:0.06	N	-

16. PRODUCTION & RESERVE

i) Reserve as on 1.4.2017

Name of mineral	Proved (111)		Probable (121 & 122)		Others (211 & 221)		Total**	
	Qty. t	Grade	Qty. t	Grade	Qty. t	Grade	Qty. t	Grade
Limestone & Marl	18.43	Cement	--		24.60	Cement	43.03	97 LSF
CaO varies from 33 % to 49 % (Average Grade-LSF : 97.00)								

**** The above reserves excludes the reserves under : CRZ, forest, public road and non – accessible areas, zigzag & curvature of the lease boundary.**

b) Reserve in forest & CRZ area as on 1.4.2017

Name of mineral	Proved		Probable		Possible		Total	
	Qty. t	Grade	Qty. t	Grade	Qty. t	Grade	Qty. t	Grade
Limestone & Marl	43.92 Million Tons							

Forest & CRZ area is overlapping in nearly 55 hectares.

c) Annual production:

Year	Minerals	Production (t)	Closing stock (t)
2016-17	Limestone	1197243	169371
	Marl	340843	11661
2017-18 (Up to 10.07.2017-Previous date of month of inspection)	Limestone	358866	191928
	Marl	94487	11945

17. SALE OF MINERAL PRODUCT (MINERAL-WISE) Sale of mineral in the year 2016-17

Name of mineral	Quantity	Grade	Name of consuming industry type	Name of country of export
A- Main ore i) Lumps ii) Fines iii) Concentrate			Captive to the Cement Manufacturing Plant of UltraTech Cement, Unit: Jafarabad Works	
B- Associated ore i) Lumps ii) fines iii) Concentrate				
C- Low grade i) Lumps ii) fines iii) Concentrate				

18. SUBGRADE MINERALS AND MINERAL REJECT

a) Sub-grade mineral (Marl is being used as sub-grade Mineral which occurs in association with Limestone)

Name of Mineral		Quantity generated	Quantity consumed	% utilization	Quantity stacked	Nature of utilization	Grade of sub grade
Marl being used as Sub-grade	Cumulative as on 1.4. 17	12009922	11998261	99.90 %	11661	For manufacture of clinker & Cement after blending with Limestone	CaO ranges from 30 to less than 41.5 %
	During the previous year 2016-17	3408431	3408431	100%	0		
	During the year 2017-18	94487	94203	99.70 %	284		
	Cumulative upto on date of inspection on.11.07.2017	12104409	12092464	99.90 %	11945		

b) Mineral reject

Name of Mineral	Quantity generated	Quantity consumed	Quantity stacked	Nature of utilization	Remarks
Cumulative as on 1.4. 17					<u>No Mineral rejects are generated</u>
During the previous year 2016-17					
During the year 2017-18					
Cumulative as on date of inspection on.					

19. RECLAMATION / REHABILITATION OF WASTE DUMP

Year (2016-17)	Qty. of OB(MT)		Total area occupied by dumps		Area stabilized	
	Excavated	Dump	Dead	Alive	Dead	Alive
	15864	0	13.49	-	13.49	-
Dump design			Method of stabilization	No. of trees planted on dumps		
Height (M)	Angle (Degree)	No. of terraces	By planting trees on slopes .		25059	
4 to 7	60-65	-				

Tailing Ponds, A – At the end of previous year (cumulative), P – In the previous year

I – As on date of inspection

	Area occupied	Area stabilized/rehabilitated	Means of rehabilitation
A-	As there is no beneficiation plant or tailing		
P-	Pond in the mine, the question of its reclamation		
I-	Does not arise		

20. RECLAMATION / REHABILITATION OF TAILING PONDS - Not Applicable
Tailing Ponds

Year	Area occupied	Area stabilized/ rehabilitated	Means of rehabilitation
Cumulative as on 1.4. 15	-	-	-
During the previous year 2014-15	-	-	-
During the year 2015-16	-	-	-
Cumulative as on date of inspection on.	-	-	-

21. INPUT/ OUTPUT OF MACHINERY PERFORMANCE – 2014-15
A. New Machinery-Nill

Name of the new machine	Sector Private/ Public	Sub type Electric/ diesel	Specificati on capacity	Capacity unit	No. of items Included	Origin Indigenous/ imported	Write off date	Write off values
Loader	Own	Diesel	-	10T	1	Indigenous	-	-
Drill Machine	Own	Diesel	-	-	1	Indigenous	-	-

B. Write off Machinery-

Name of the new machine	Sector Private/ Public	Sub type Electric/ diesel	Specificati on capacity	Capacity unit	No. of items removed	Origin Indigenous/ imported	Write off date	Write off values
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

C. Machinery on site

Machinery Category	Name of the machine	Sub type Electric/ diesel	Specificati on Capacity	Capacity unit	Position (in use/ reserve/ ideal)		No. of Machine	% availability (2014-15)	% utilization (2013-14)
					Use	Reserve			
Excavation / Loading	Excavator (L&T Poclairn 300CK)	Diesel	335 at 1950 RPM Bucket capacity 3.2-3.9 CuM		03	00	03	94	47
Drilling	IR Drill -cm 341 (4" dia)	-do	180 at 2500 RPM 450 cfm		01	01	02	85	42
Transporting	Dumper (BEML31.72T	-do	380 hp		03	01	04	80	43
Dozer	D-155 A-KOMATSU	-do	65 D.B.P 302 HP		01	-	01	90	45
Wheel loader	2021 (STD.) 2021(Z-Bar) 2071	-do	1.7 Cu M ,125 HP 1.7 Cu M 125 HP 5.74 Cu M 450 HP		01 01 01		03	92	48
Backhoe loader	L & t backhoe	-do	9 Cu M		02		02	92	41
Water sprinkling	Dumper (BEML31.72T	-do	380 hp		01		01	95	55
Explosive Van	Explosive Van	-do	5 T 120HP		01		01	98	49
Diesel Tank	Diesel Tank	-do	3000Ltrs 90HP		01		01	98	43

D. Hired Machinery at Mine Site

Sr	Equipment	Capacity	Nos	Horse P	Sub-Type
1	Surface Miner L & T)	400 TPH	1	740 HP	Non-Electrical
2	Tipppers	20 T	4	125 HP 135 HP	Non-Electrical
3	Taurus	25 T	6	163 HP	Non-Electrical
4	WHEEL LOADER 2021(STD)	1.7 Cu-Mtr	2	125 HP	Non-Electrical

22. PLANTATION

Plantation	Inside mining lease			Outside mining lease		
	No. of trees	Area in hect *	Rate of survival	No. of trees	Area in hect	Rate of survival
Cumulative as on 1.4. 17	284378	70.67	80%	84043	14.4	50 %
During the previous year 2016-17	8460	3.5	97	3189	1.00	57 %
During the year 2017-18	0	0	0	0	0	0
Cumulative as on date of inspection 11.07.2017	284378	70.67	80%	84043	14.4	50 %

* A major portion of the plantation is used for gap filling and casualty replace of dead saplings as the survival rate no encouraging.

23. EMP DATA

a) Soil data-2015-16

Monitoring	St. No.	Physical		Chemical	Dry	Wet
		Dry	Wet			
Latest monitoring	Natural Moisture Contents	3.81	7.03	PH	7.52	8.46
				Water soluble salt content	0.44	0.36
	Texture classification	SILTY CLAYEY LOAM	LOAM	Organic Carbon	0.39	0.24
				Available Phosphorus	811	12.91
	Liquid Limit	21.49	23.99	Available Potassium	3429	497
	Plastic Limit	13.33	10.45			

b) Air Data- Presently data monitoring is being carried out on monthly basis -2016-17

Station no.	Seasons Summer / Winter / Monsoon / Post monsoon	PM 2.5	PM 10	SO ₂	NO _x	CO	Free silica	Remarks
Haul Road	17.1.2017	26	53	10.7	12.6	NA	ND	M ³ /m
Nr. Crusher	16.1.2017	25	50	11.2	14.6	NA	ND	Average rate during sampling
Nr. Drilling	23.1.2017	26	49	12.6	15.2	NA	ND	
Nr. S. Miner	23.1.2017	24	52	10.6	12.8	NA	ND	
Nr. Loading	16.1.2017	24	51	11.3	13.9	NA	ND	

Fugitive ambient air monitoring is carried out fortnightly on 4 locations & activity wise quarterly monitoring at 5 locations.

c) Noise Data Year 2015-16

Station no.	Station name	Season	Type of area (Industrial/ commercial / residential/ silence zone)	Day time (Max)	Night time (Max)	Remarks
Station-1	Shift Jeep	Post Monsoon	Industrial	75.20	72.60	Use of PPE
Station-2	Poclain	Post Monsoon	Industrial	87.10	85.30	Use of PPE
Station-3	Haulpak	Post Monsoon	Industrial	84.10	82.10	Use of PPE
Station-4	Drill Machine	Post Monsoon	Industrial	83.20	85.60	Use of PPE
Station-5	Office	Post Monsoon	Industrial	67.30	61.50	Use of PPE

d) Water Data

i) Discharge place (Agriculture land/ Forest land/ Wasteland/ Nallah/ River)	There is no effluent generated hence no discharge either into river or forest land. The rainwater harvesting is being practiced in mined out pit.
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ii) Water management in abandoned quarries

Year	Quarry Pit ID	Reservoir Yes/No	Quarry size	Capacity min. (cuM)	Capacity max. (CuM)	Period capacity min.	Period capacity max.	Water utilization	Remark
	North Block	Yes	6.50 ha	1.45 lac	5.50 Lac	Winter	Monsoon	Being utilized for plantation purposes & clinker plant & dust suppression	
	East Block	Yes	5.50 ha	0.75 lac	5.50 Lac	winter	monsoon	Directly getting recharged rock being the porous.	

iii) Water data details (Average)

Year	Station no.	Station name	Station type (colony, pit, river, downstream)	Season	Element (drinking/ Effluent)	Parameter name	Parameter value	Excess value	Remarks
2015-16	1	RO	Colony	P-Mon	Drinking	TDS pH	205 7.45	-	
	2	Pond	Mine	P-Mon	Drinking	TDS pH	125 7.45	-	
	3	Well-11	Mine	P-Mon	Drinking	TDS pH	255 7.45	-	
	4	M-Basin	Plant	P-Mon	Drinking	TDS pH	315 8.02	-	

iv) Vibration data (Results of some of studies carried out by CMRI)

Station no.	Station name	Distance from measuring point	Ppv (mm/sec)	Air over pressure (dB)	Frequency	Remarks
1	Bench-4	174 m	2.83	135.7	13	Studies were carried out by CMRI & blasting is done as per CMRI recommendations
		206 m	1.76	135.0	8	
2	Bench-3	183 m	5.37	134.4	5	
		251 m	4.40	131.0	4.4	
3	Bench-1 (Bottom)	220 m	5.41	140.8	14	
		245 m	4.77	142.0	18	
4	Bench-1 (Top)	105 m	19.83	135.9	37	
		65 m	8.90	140.7	26	

24. Lease particulars

a) Lease No. :

b) Lease area in hect. with forest area, if any	:	565.94 ha (Including the area within CRZ)
c) Period of lease	:	31.03.2030
d) In case of forest area if the permission has been taken, its details like area permitted to be worked & letter No. etc.	:	Presently working is restricted to non-forest & outside CRZ. Lease was granted prior to FC Act. Diversion proposal for the forest area have been submitted to State Govt. Alternate area of 141.26 ha already purchased for compensatory afforestation.
e) if the area is worked on any interim Govt. order or court order, its details.	:	No
f) Date of expiry.	:	31.03.2030
g) Mineral(s) included in the lease deed		Limestone & Marl
h) Mineral(s) worked		Limestone ,Marl

25. Details about Mining Plan/ Mining Scheme

a) Letter No. and date of approval of mining plan	:	682(23)(853)/98-MCCM (N) UDP dated 07.09.1998
b) Letter No. and date of approval of mining scheme.	:	682(23)MS-464/2008-UDP dated 01.04.2009 682(23)MS-464/2008- MCCM (N) UDP dated 29.05.2014
c) Condition while approving the MP/ MS/ modification	:	-
d) Period of mining plan/ mining scheme in force	:	01.01.2019

26. Details about employment.

Maximum number of persons employed on any day during the year (i) below ground (ii) above ground and (iii) in all in the mines. (2014-15)

Classification	Average daily employment			Average No. of days worked in a year	Remarks
	Direct	Contract	Total		
OPENCAST					
a) Managerial person	13	-	11	311	
b) Supervisory persons	9	-	9		
c) Workers	11	28	39		
d) Employment in plant (garage)	04	-	04		

27. Community Development Plan

Expenditure incurred (Activity wise) - Year 2015-16

CSR Report for FY 15-16				
1. Support Drinking Water & Agriculture				
Activity	Plan	Actual	Beneficiary	Village
Pond dipeening through mine equipment	0.4	0.37	2403	Kagvadar, Balanivav, Mitiyala
Drinking water project – (Near PHC)	0.2	0.25	5172	Babarkot
Drinking water facilities at Police station	0.6	0.75	20	Jafarabad
Support to Drinking water pipe line for drinking water project	0.4	0.4	896	Babarkot, Mitiyala, Balanivav
Support to Drinking water pipeline for temple	2.35	2.5	500	Tapowan
Total	3.95	4.27	8991	
2. Social Health & Medical Services				
Activity	Plan	Actual	Beneficiary	Village
Eye check-up , cataract operation 27, Free spectral distribution	0.62	0.62	294	Nearby villages
Diabetes & blood pressure checkup camp (No. of camp 2)	0.14	0.14	80	Nearby Villages
Gynaecological camp	0.17	0.18	149	Babarkot
De worming camp in Primary schools	0.50	0.55	2025	
Support to Pulse Polio campaign Program in Jafarabad Taluka No. of Booth : 58	0.15	0.15	12546	Kagvadar & Mitiyala
Mobile medical service for villagers	2.50	2.49	1882	Kagvadar & Balanivav
Multi-specialty medical camp	0.50	0.51	242	Nearby Villages
Total	4.58	4.64	17218	
3. Promotion of Hygiene & Sanitation				

Activity	Plan	Actual	Beneficiary	Village
Renovation of Drinking water stand	0.17	0.17	500	Babarkot
Support to Sanitation Blocks	0.4	0.4	456	Babarkot
Drinking water jug for Aganwadi	0.02	0.02	80	Babarkot
Emergency medical service to Babarkot villagers :	1.14	1.14	130	Babarkot
Total	1.73	1.73	1166	

4.Support to Skill Development & Education

Activity	Plan	Actual	Beneficiary	Village
Shala Pravesh Utsava programme (Educational kit for children 1st)	1.21	1.21	1500	Jafarabad Taluka – 42 villages
Support to Kanya Kelavani Fund	2.4	2.5		Jafarabad
Independence day wishes press release.	0.15	0.15		Jafarabad
Scholarship distribution	0.57	0.57	2	Babarkot and balanivav
Support to Independence day celebration jointly organized with District Admin- program	0.25	0.28	2650	Jafarabad
Painting work in Primary school	3.8	3.8	610	BabarKot
Celebration of Independence & Republic day In primary schools	0.45	0.54	4250	Babarkot ,Balanivav Mitiyala & Kagvadar
Total	8.83	9.05	9012	

5. Promotion of literacy & Education

Activity	Plan	Actual	Beneficiary	Village
Adult education classes	0.1	0.1	15	Kagvadar
Total	0.1	0.1	15	

6. Social & Livelihood Support

Activity	Plan	Actual	Beneficiary	Village
Veterinary camp	2.83	3.05	8038	Babarkot , Mitiyala , Balanivav & Kagvadar
Fodder distribution	0.9	0.9	1858	Babarkot
Construction of Bio Gas Plant	2.29	2.29	228	Babarkot & Balanivav

Cattle development centre	2.95	3.27	922	15 villages
Agarbati Making training for SHGs members	0.13	0.13	15	Babarkot
Social forestry	5.5	5.5		Babarkot
Support to SHGs	0.04	0.04	50	Jafarabad
Total	14.64	15.18	11111.00	

7. Support to Transportation Service & Infrastructure

Activity	Plan	Actual	Beneficiary	Village
Construction of Community Hall	0.22	0.22	5192	Babarkot
Crematorium ground leveling through mines equipment	7.00	8	2403	Nearby Village
Construction of Crematorium	0.08	0.08	5192	Jafarabad
Support to Antim Vishram Dham	0.7	0.7	500	Jafarabad
Support to Bharvad Samaj Community hall	0.51	0.51	1500	Babarkot & Mitiyala
Bus facilities (Babarkot to Jafarabad Daily service) for Higher secondary students	2.59	2.59	125	Babarkot
Total	11.10	12.10	14912.00	

8. Support to social, cultural recreational activities

Activity	Plan	Actual	Beneficiary	Village
Support to rural sport programme	0.02	0.02	50	
Support to religion functions	2.5	2.6	400	
Babarkot lady salary	0.3	0.36		
Support to Mass Marriage programme	2.25	2.38	534	
Total	5.07	5.36	984	
Budget 2015-16	Plan	Actual	Beneficiaries	
	50.00	52.43	63409.00	

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1. Support Drinking Water & Agriculture

Activity	Plan	Actual	Beneficiary	Village
Support with drinking water facility	1.94	1.97	5374	Babarkot, Tapovan Tekari
Pond Deepening in villages & Dhobughat in Babarkot.	3.6	3.59	7595	Mitiyala & Babarkot
Awareness program on agriculture development by government officer and our team.	0.02	0.02	60	Mitiyala
Total	5.56	5.58	13029	

2. Social Health & Medical Services

Activity	Plan	Actual	Beneficiary	Village
Multi Specialty camp in Tapovan Tekari & General camps in surrounding schools & community. (Deworming, Diabetics, Gynec)	2.05	2.21	1743	Nearby villages
Mobile medical service in two Villages.	2.00	1.94	1676	Kagvadar
Emergency mobile medical service for villagers - Babarkot village.	1.70	1.68	1848	Babarkot
Eye check up & spectacles distribution camp	0.75	0.75	469	Kagvadar & Mitiyala
Ayurvedic Camp	0.50	0.4	1508	Kagvadar & Mitiyala
Total	7.00	6.98	7244	

3. Promotion of Hygiene & Sanitation

Activity	Plan	Actual	Beneficiary	Village
Support for individual Toilet (Nos. of Unit: 49)	2.47	2.47	294	Babarkot
Community Sanitation at Khodiyarmata Temple	1.22	1.22	2094	Babarkot
Community Sanitation at Bharwad Samajwadi	0.73	0.73	1000	Babarkot
Urinal at Jafarabad Crematorium	0.54	0.54	1000	Jafarabad
Drinking water pipeline	0.54	0.54	450	Kagvadar
Total	5.5	5.5	4838	

4. Support to Skill Development & Education

Activity	Plan	Actual	Beneficiary	Village
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Shala Pravesh Utsava programme in Jafarabad Taluka – 42 villages.	1.25	1.24	1578	42 villages.
No. of students : 1578				(Jafarabad Taluka)
Shed in Kagvadar Primary School.	0.5	0.51	120	Kagvadar
Nationals days' celebration in primary schools in four villages.	0.60	0.56	4550	Babarkot, Kagvadar, Mitiyala, & Balanivav
Computer for secondary children in Babarkot school.	0.50	0.42	879	Babarkot
Daily Bus facilities for High school students from Babarkot to Jafarabad.	2.50	2.52	124	Babarkot
Anganwadi renovation with plaster & painting.	1.00	1.00	30	Babarkot
Drinking water cooler for school children of Kagvadar Primary School.	0.30	0.33	120	Kagvadar
Soil Feeling for ground levelling near school.	0.10	0.11	90	Mitiyala
Renovation of Babarkot Primary School.	1.50	1.51	879	Babarkot
Educational Competition for school children.	0.20	0.2	511	Kagvadar, Mitiyala & Balanivav
Paver block in Anganwadi of Balanivav village.	0.65	0.66	30	Balanivav
Flooring work in Kagvadar Primary School.	0.86	0.9	120	Kagvadar
Total	9.96	9.96	9031	
5.Promotion of literacy & Education				
Activity	Plan	Actual	Beneficiary	Village
Adult education classes in Kagvadar village.	0.14	0.14	15	Kagvadar
Total	0.14	0.14	15	
6.Social & Livelihood Support				
Activity	Plan	Actual	Beneficiary	Village
Support for sprinkler irrigation method	0.25	0.24	48	Kagvadar & Mitiyala
Veterinary camp in 4 mining villages (Nos. of Camp :6)	3.00	3.08	12269	Kagvadar, Balanivava, Mitiyala & Babarkot
Cattel Development Centre		3.7	676	Nearby 15 villages
AI: 667, Examine: 555, PD: 350, Calving: 298 (Male: 164, Female: 134),	3.75			
Tailoring class for women	0.40	0.35	15	Babarkot
Fund to government for Kanyakelanvani & support to SHG	0.62	0.66	502	Jafarabad

Bio Gas support program	0.15	0.12	12	Kagvadar
Support to Mass marriage programme No. of couple: 119.	4.00	3.98	1214	Babarkot, Jafarabad, Mitiyala, Varahswaroop & Bhakodar villages
Fodder distribution for public cow	0.33	0.37	3000	Babarkot
Total	12.50	12.5	17736	

7. Support to Transportation Service & Infrastructure

Activity	Plan	Actual	Beneficiary	Village
Store room in crematorium at Babarkot village.	1.00	1.03	1200	Babarkot
Culverts for villagers.	1.20	1.17	1500	Babarkot
Road repairing through mines.	0.60	0.63	7829	Babarkot & Mitiyala
Community Hall – Plaster & Painting work.	2.30	2.26	1500	Babarkot
Gate fixing for safety near Babarkot Primary School.	0.5	0.5	1000	Babarkot
Total	5.6	5.59	13029	

8. Others expenses done by UTCL (Mines lodger expenses, vehicle maintenance expense etc.)

Activity	Plan	Actual	Beneficiary	Village
	2.74			
Cricket kit to youths .	0	0.25	150	Babarkot
Others expenses done by UTCL (Mines lodger expenses, vehicle maintenance expense etc.)	0	1.35	5500	4 mining villages
Community Awareness program.	0	0.03	40	Babarkot
Social Impact Assessment Survey.	0	1.19		
Soil feeling in Pit for play ground	0	0.24	500	Babarkot
Videography of Bio Gas project for Award	0	0.13		
Total	2.74	3.19	6190	
Budget 2016-17	Plan	Actual	Beneficiaries	
	49.00	49.44	71112	

28. Status of compliance of MCDR, 88 including therewith the rectification of outstanding violation of the rules.

Date of last inspection	Violation pointed out	Compliance reported
12.02.2016	3	Yes

29. Scientific Mining (As per latest approved mining Plan/Scheme)

Item	Proposal 2016-17	Actual work done 2016-17	Remarks
i) Exploration (Rule 13)			
a) Type of prospecting and exploration i.e. drilling	0	23	
b) Total area covered	-	-	
ii) Workings (Rule 13)			
a) Opencast/ underground	Opencast	Opencast	
b) Manual/ mechanized	Mechanized	Mechanized	
c) No. and size of each pit (L x W x H)	NB-Convention EB SMiner Pit-1 EB SMiner Pit-2 EB SMiner Pit-3	1100 X 1200 X31 235 x 290 X 20 160 X 165 X 20 129X150X20	
d) Bench size (1 x w x h) length can be defined as regular or irregular	Regular	Regular	
e) Ore to waste ratio pit wise if possible otherwise for mine.	1:0	1:0.009	Loose sand was removed.
f) Total area covered under excavation/pits		264.60	
iii) Waste disposal (Rule 13)			
a) Location of dumps			
c) Total area covered under waste dump	0	0	OB Used for development Work
d) No. & size of each waste dump with number of steps lift/ bench.			
e) Yearly generation of waste quantity.	Given below		
f) Year-wise quantity of top soil removed, utilized & stacked.			

Details of Overburden Removal

Year	Generated (MT)	Handling (MT)	Utilized (MT)		
			Waste Dump	Process	Misc (Used for back filling)
2001-02	16443	16443	-	14	16429
2002-03	23645	23645	1841	-	21804
2003-04	16998	16998	16859	-	139
2004-05	64239	64239	64239	-	-
2005-06	38613	38613	38613	-	-
2006-07	149538	149538	149538	-	-
2007-08	40281	40281	40281	-	-
2008-09	151609	151609	98580	-	53029
2009-10	251885	251885	251885	-	-
2010-11	36772	36772	-	-	36772
2011-12	26026	26026	-	-	26026
2012-13	64560	64560	-	-	64560
2013-14	33659	33659	-	-	33659
2014-15	15442	15442	-	-	15442
2015-16	16287	16287	-	-	16287
2016-17	15864	15864	-	-	15864
2017-18 As on 30.06.2017	38629	38629			38629

Details of Top Soil Removal

Year	Removed (MT)	Utilized (MT)	% Utilization (MT)
2001-02	28732	28732	100 %
2002-03	21931	21931	100 %
2003-04	18554	8476	46 %
2004-05	11728	11728	99.6 %
2005-06	11068	11068	100 %
2006-07	6218	6218	100%
2007-08	13436	13436	100 %
2008-09	1551	1551	100 %
2009-10	26206	15831	60.41%
2010-11	36535	36535	100%
2011-12	7246	7246	100%
2012-13	28246	28246	100%

2013-14	36721	36721	100%
2014-15	24	24	100%
2015-16	18732	18732	100%
2016-17	2592	2592	100%
2017-18 (As on 30.06.2017)	12260	6500	53%
Total	281780	255567	90%

30. Conservation of mineral- both quantitative and qualitative.

i)	Mineral (Rule 15)	
(a)	No benches in ore and waste	Conventional: 05 Surface Miner - 02
(b)	Percentage of recovery of ore pit-wise w.r.t. ROM and total material	85-90% (moisture losses)

ii)	Sub-grade mineral/ fines (Rule 16)	
(a)	Separate stacking from waste	
	Presently Marl is being consumed completely in the plant by blending with high grade Limestone. Keeping in view the importance of conservation of mineral. Mining operation is planned in such a way that about 22 % of total raw mix constitutes Marl. Sometimes marl is fed directly to the crusher without any blending.	
(b)	Location of stacking	No earmarked stack at present
(c)	Total area covered for stacking	-
(d)	No. and size of each stack	-
(e)	Quantity of yearly generation, utilization and total quantity available during inspection with grade.	Total Marl quantity produced during the 2016-17 is 340843 MT & closing stock as on 01.04.2017 was 11661 MT

	Beneficiation (Rule 20)
iii)	No beneficiation is required, however, limestone crushing operation is an independent system designed to reduce run-of-quarry limestone (1.2 m feed size maximum) to a minus 76 mm product size at a rate of 500 metric ton per hour. The product from the crusher is conveyed to the stacker for storage. Run-of-quarry limestone is transported to the crusher (Hammer mills Impact Master) by dump trucks and the material is dumped into the 70-ton dump hopper. The Hammer-mills universal vibrating grizzly feeder conveys 575 metric ton per hour of limestone to the impact master where it is crushed to minus 76 mm product size. Approximately 75 metric ton per hour of minus 76 mm material is scalped by the vibrating grizzly feeder and 500 metric ton per hour goes to crusher. A PLENUM PULSE DUST COLLECTOR is installed in the system

32. Information on annual returns on cost of operation, reserves, production, pit mouth value, stock, land use pattern and fixed assets for the year 2016-17:

Cost of operation (Direct) : Limestone=161.09& Marl = Rs. 141.09/T
Reserve : 90.45 *
• (Includes reserves falling under CRZ, Forest, Public Road, & non-accessible in present scenario
Production During 2016-17 : LST : 11197243 & Marl : 340843 MT
Pit's Mouth Value Limestone = Rs.161.09 & Marl= Rs. 141.09 /T(including royalty cess & other taxes)
Stock (as on 31.03.2017): Closing stock : Lst-169371, Marl - 11661 MT
Land use pattern
Fixed assets : 29205.72Lacs (Closing as on 31.03.2017)

33. Development, production and Ore: O.B. ratio proposed in the Mining Plan/ Scheme for the last year and current year vis-a-vis those achieved.

Activity [Items (a) & (e) are not very appropriately placed, but are furnished for convenience]	Previous Financial Year 2016-17		2017-18 (up to the month (July-17) previous to date of inspection)	
	Proposed	Achieved	Proposed	Achieved
(a) Exploration	0	23	Nil	Nil
(b) Development/ Over burden:	0 m ³	13220 m ³	0 m ³	32190 m ³
(i) Top -soil	0 m ³	2160 MT	0 m ³	10216 m ³
(ii) Any other over burden than top-soil, sub-grade ore and ROM mineral rejects	-	-	-	-
(iii) Sub-grade ore	-	-	-	-
(iv) ROM mineral rejects	-	-	-	-
(c) Production including Marl	2300000MT	1538086 MT	2300000- MT	45000 MT
(d) Ore: Overburden ratio	1:00	1:0.009	1:00	1:0.06
(e) Afforestation	3000	8460	3000	-