

Self Appraisal Note to be submitted by Owner of the mine under Rule 63 of MCDR 1988 stating extent of implementation of approved Mining plan / Scheme of Mining plan during the reporting year of 01/04/2013 to 13/03/2014 along with supporting plans and sections , representative photographs in hard as well as soft copy .

1. Mines Details

(a) Mine Registration Number taken from IBM	IBM/441/2011
(b) Mine Code	38 MPR 28018
(c) Mineral	Limestone
(d) Name of the Mine	Rawan Jhipan Limestone Mine
(e) Lessee	M/s Ultratech Cement Limited (Formerly known as – Grasim Industries Limited)
(f) Lease No of the state Govt.	Form K dated 04/12/1993

2. Detail of Mining plan / Scheme of Mining Approved on Last occasion-

(a) Reference no of Approval Letter	314(3)/2012- MCCM(CZ)/MP-33/341 dated – 14/10/2013	
(b) Approving Authority		
(i) IBM	Central Zone , IBM , Nagpur	
(ii) State Govt .	Not Applicable	
(c) Five Year Implementation Period	From	To
	04.12.2013	31.03.2018

3. Detail of Modification sought / approved during – **Not Applicable**

(a) Type of Application		
(b) Approving Authority		
(iii) IBM		
(iv) State Govt .		
(c) Five Year Implementation Period	From	To

4. Compliances of salient feature of the mining plan / scheme of mining during the year-
ACTIVITY

Exploration	Proposal made in the approved MP / SOM for the reporting year	Actual Implementation During the year
A) Type of Exploration		
i) Surface sampling	Nil	Nil
ii) Pitting	Nil	Nil
iii) Trenching	Nil	Nil
iv) Bore hole drilling	Nil	Nil
B) Expenditure in Lakh Rupees	Nil	Nil
C) Reserve Estimation (Including additional reserve estimation if	175 Million ton (111)- as on 01.04.2013	175 million ton (111) as on 01.04.2013 and

any)		171.28 million ton (111) as on 01.04.2014
D) Resources Identification (including additional resources estimation if any)	10.9 million Ton(122) 40.62 million ton(211) 4.5 million ton (332) 26 million ton (333)	10.9 million Ton(122) 40.62 million ton(211) 4.5 million ton (332) 26 million ton (333)
E) Total Reserves and Resources	257 million ton (reserve + Resources) – as on 01.04.2013	253.28 million ton (reserve + Resources) – as on 01.04.2014

MINING

a) Method of mining Opencast/Underground/Combina tion of both	Opencast	Opencast												
b) Category A/B	A	A												
c) Site of Mining (mention position of working & R L)	Single Pit Bottom Most RL +240mRL	Single Pit Bottom most RL +242mRL												
d) Quantum of waste	<table border="1"> <tr> <td>Over Burden</td> <td>23,00,000 MT</td> </tr> <tr> <td>Screen Reject</td> <td>5,50,000 MT</td> </tr> <tr> <td>Total</td> <td>28,50,000 MT</td> </tr> </table>	Over Burden	23,00,000 MT	Screen Reject	5,50,000 MT	Total	28,50,000 MT	<table border="1"> <tr> <td>Over Burden</td> <td>15,82,143 MT</td> </tr> <tr> <td>Screen Reject</td> <td>64,304 MT</td> </tr> <tr> <td>Total</td> <td>16,46,447 MT</td> </tr> </table>	Over Burden	15,82,143 MT	Screen Reject	64,304 MT	Total	16,46,447 MT
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Over Burden	15,82,143 MT													
Screen Reject	64,304 MT													
Total	16,46,447 MT													
e) ROM Production	75,00,000 MT	37,20,613 MT												
f) Grade wise Mineral Production (Same as given in MCDR Return form)	69,50,000 MT (CEMENT GRADE)	36,56,309 MT (Cement Grade)												

MINE DEVELOPMENT

Opencast (Pit wise)				
Bench Formation with R L	RL	ROM (MT)	RL	ROM (MT)
	+270	9,75,000	+270	7,25,028
	+262	27,00,000	+262	17,40,181
	+254	24,00,000	+254	8,91,992
	+246	12,75,000	+246	3,63,412
	+240	1,50,000	+240	0
	Total	75,00,000	Total	37,20,613
Stripping Ratio	1:0.43		1:0.45	
Top RL	+283mRL		+283mRL	
Bottom RL	+240mRL		+242mRL	
Underground	Not Applicable		Not Applicable	
Proposed Development in m	Not Applicable		Not Applicable	
Name and number of slopes to be operated	Not Applicable		Not Applicable	
Stoping Operations	Not Applicable		Not Applicable	
Production in tones from development, Stopping total	Not Applicable		Not Applicable	

SOLID WASTE MANAGEMENT

Site of waste disposal (mention position & RL)	OB – south OB dump (top RL+314mRL) Screen Reject – South Reject Dump (Top RL +294mRL)	Complied
Mode of waste disposal & waste dump configuration (Advancing/Retreating method with number of lifts)	Retreating	Complied
Waste dump stabilization / Garland drain / Retaining wall	Terracing, Garland drains, Plantation at lower terrace.	Complied ,Terracing, Garland drains, Plantation at lower terrace, Provided
Check dams / settling tanks	The garland drains around the toe of dump will be provided followed by settling tank to prevent wash off.	Garland drains are provided along with settling tanks.

BLASTING

Mode of Blasting (J/H, Plaster shooting & Deep Hole)	Deep Hole Blasting with NONEL	Complied with (Deep Hole blasting with NONEL)
Explosives Storage	Approved Magazine By CCE. 20 MT capacity	Approved Magazine By CCE. 20 MT capacity
Precaution against flying fragments, ground vibration	1)Use of NONEL system, 2) Use of Rock breaker to avoid secondary blasting 3) Use of MINIMATE blaster seismograph to monitor vibration	Complied with [(1)NONEL system is being used, (2) Secondary blasting is totally avoided by using Rock Breaker, (3) MINIMATE blaster seismograph is being used to monitor vibration)]

MINE DRAINAGE

Likely depth of mining below water table	According to study, the working will not intersect water table.	Complied with (working was not intersected water table)
Expected pumping of sub surface water	Pumping of water for mines and plant operation use	Complied with.
Mode of disposal of sub surface water	Stored water at sump will be pumping and used for process both mines and plant operation and plantation.	Complied with (Stored water at sump will be pumping and used for process both mines and plant operation and plantation.) In addition to above, the mine sump water is being used for drinking water for plant and colony after treatment.

MINERAL BENEFICATION-

Only screening is proposed and being followed. This is for separation of shale, clay, chert and other deleterious material.

Feed quantity and grade	Not Applicable	Not Applicable
Product quantity and grade	Not Applicable	Not Applicable
Tailing quantity and grade	Not Applicable	Not Applicable
Site of Tailing Disposal	Not Applicable	Not Applicable
Tailing Dam Management Preventive measures envisaged	Not Applicable	Not Applicable

USE OF MINERAL

End use of mineral produced at the mine	Mineral is used at cement plant (Rawan Cement Works- for which mine is captive) for manufacturing of clinker/cement.	Complied with (The produced mineral is being used for manufacturing of clinker/ cement at Rawan Cement works)
Provision of blending with high grade / low grade ore	The mining software DATAMINE is used , which offering the blending options for the query scheduling, thereby utilizing low and high grade mineral without incurring the additional mining activity of handling and re-handling.	Complied with (The DATAMINE software is being used for scheduling which offer the blending options, utilizing low and high grade minerals)
Land use Patter in Ha -		
Area Exploited and abandoned	Nil	Nil
Covered under O/C working	160.30 (Total)	141.57 (Total)
Reclamation and Rehabilitation	1.0 Hect	1.0 Hect
Occupied by Infrastructure	Nil	Nil
Others	Nil	Nil

ENVIRONMENTAL MANAGEMENT PLAN

Afforestation with type of species	1 hect will be afforested. No of sapling – 2500 nos. Species type – Approved by DFO	1 hect area afforested , No of sapling planted – 2410 nos species approved by DFO
Reclamation & Rehabilitation of Land	NIL	Nil
Ambient air quality	as per Norms	Ambient air is being monitored at 4 stations in core zone and 4 stations in buffer zone. The locations are approved by state pollution control board, Raipur. The monitoring report is enclosed in annexure no – 1 . And quality parameters are within norms.

Water quality	as per Norms	The ground water and waste water (Mine sump water and mine workshop water) is being monitored. The monitoring report is enclosed in annexure no – 2 . The parameters are within limit.
Noise Level	as per Norms	The noise is being monitored at different locations. The report is enclosed in annexure no-3 .
Precaution undertaking for		

CORPORATE SOCIAL RESPONSIBILITY

Drinking Water (in Rupees)	2785000	256000
Housing (In Rupees)		
Health (in Rupees)		
Sanitation (in Rupees)		
Education (In Rupees) – Training	395000	44000
Employment (In Rupees)		
Sports (In Rupees)	926600	1062000
Recreation Facility (In Rupees)		
Infrastructure (In Rupees) Roads /Public Transport, Communication, Electricity	10175000	27225000
Others (in Rupees)	10985000	3885000
Total	Rs 2,52,66,600/-	Rs. 3,24,72,000/-
		Detail CSR activity with photographs is enclosed in annexure no – 4.
5. Constraints faced at the mines during reporting year while implementing the salient feature of mining plan / scheme of mining	The production targets could not been achieved due to the reason stating below- The line II (Clinker production line of plant) was achieved its rated production of clinker 10,000 TPD of Clinker in the month of Oct 2013. Due to delay in targeted production of line II, the limestone production was comparatively reduced.	
6. Corrective action envisaged by mine management for rectification of the deviation in implementation of salient feature of the mining plan / scheme of mining as observed under serial no 4	Now, line II is operating with its rated capacity, so it is expected to achieve the limestone production, in the financial year 2014-15.	

7. Any other information to be included	The initiative taken by management towards Environment management plan is that "the Mine sump water is now being used for drinking purpose in colony and plant area after treatment, which gives benefit towards minimal uses of natural ground water." In addition to the above the buffer zone of mines i.e. in plant area the system of recharging ground water has been installed which gives additional positive action towards natural ground water resources.
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Verification

I certify that the information furnished above is correct and completed in all respects.

Date : 20.06.2014

Place : Rawan

Signature : Name in Full:

Designation: Lessee/ Agent/ Manager/ Mining Engineer


Mines Manager
Rawan Jhijan Limestone Mine
M/s. Ultra Tech Cement Ltd.
(Unit Rawan Cement Works

Note: Wherever felt necessary, copy of the relevant plan/ section representative photograph with due integration with the above description is to be enclosed / uploaded. – **CSR Report along with photographs is enclosed.**