



SINCE 1944

Ref: Cho 1/ MoEF/EC/A/301/1773

Date 29th July 2019

To,
The Director (IA-II),
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhawan,
Lodhi Road, Jor Bagh,
New Delhi-110003

Sub: Regarding Environmental Clearance of Chorbedi 1 Limestone Mine (Area: 254.89 Ha) located at Village: Chorbedi, Taluka: Lalpur, District: Jamnagar, Gujarat of Shree Digvijay Cement Co. Ltd.

Proposal No: IA/GJ/MIN/81570/2018

Ref: Additional Details Sought by MS (ADS) generated on dated 8th May, 2019

Dear Sir,

We are herewith submitting point wise reply of the above referenced ADS generated on dated 8th May, 2019.

We hope that you shall find it in order and request to kindly include the project in upcoming agenda meeting and grant the Terms of Reference (ToR) at your earliest.

Yours faithfully,

For Shree Digvijay Cement Co. Ltd.

Anil Kumar Nigam
Authorised Signatory

POINT-WISE QUERY REPLY OF ADS GENERATED BY MOEF&CC DATED 08.05.2019 FOR CHORBEDI – 1 LIMESTONE MINE AT VILLAGE: CHORBEDI TALUKA: LALPUR, DISTRICT: JAMNAGAR, STATE: GUJARAT BY SHREE DIGVIJAY CEMENT CO. LTD.

1. Details of past production of mine since its inception, duly authenticated by Department of Mines & Geology, State Government.

Reply: Details of past production of mine since 1993-94 (according to meeting agenda), duly authenticated by Department of Mines & Geology, State Government is attached as **Annexure – I.**

2. Copy of affidavit needs to be submitted by PP in compliance of the Ministry's OM no. 3-50/2017-IA.III (Pt.), dated 30th May 2018.

Reply: Affidavit in compliance of the Ministry's OM no. 3-50/2017-IA.III (Pt.), dated 30th May 2018 is attached as **Annexure – II.**

3. Compliance of order dated 02.08.2017 in CWP No. 114/2014 of Hon'ble Supreme court (Common Cause Vs Union of India & Ors.).

Reply: Affidavit in compliance of order dated 02.08.2017 in CWP No. 114/2014 of Hon'ble Supreme court (Common Cause Vs Union of India & Ors.) is attached as **Annexure – II.**

4. Details of demand if any raised by Department of Mining and Geology.

Reply: No demand has ever been raised by Department of Mining and Geology.

5. Details of payment, if any made to Department of Mines & Geology.

Reply: No payment has ever been made to Department of Mines & Geology other than regular payment of Royalty and applicable taxes.

6. Validity of mine lease and copy of valid lease document.

Reply: The Industries and Mines Department, Govt. of Gujarat vide letter no. MCR-1579-(D-30)-4107-Chh. 1 dated 14th June, 2017 extended the validity of Mine Lease up to 6th November, 2033. The copy of lease validity extension letter is attached as **Annexure – III.**

7. Status of mine whether working or not.

Reply: The mine is working as on date.

8. The total mine lease area details are not clear, please submit the details of exact mine lease area and the revised Form 1 with correct information against all the columns.

Reply: Area under existing EC (J-11015/50/2003-IA.II (M) dated 7th October, 2005) is 419.09 hectares for Chorbedi (Composite) Limestone Mine. This EC was accorded for 04 leases cumulatively. So the information in Form 1 was filed accordingly.

Now the application is being made for Chorbedi -1 Limestone Mine, individually and its area is 254.89 Hectares.

Revised Form 1 is submitted with correct information and the same is attached as **Annexure – IV.**

કલેક્ટર કચેરી, (ખનિજ શાખા)
ભુસ્તર વિજ્ઞાન અને ખનિજ ખાતું
લાલ બંગલા સર્કલ, જીલ્લા ન્યાયમંદિર પાસે, જામનગર

નં. જીજે/અકડ-એમએમલ-જન/૧૯/ ૧૫૨૫

તા. 03.09-2016

વંચાણે : માઈનીંગ લીઝ ધારકશ્રી મે.શ્રી દિગ્વીજય સિમેન્ટકુ.લી. દ્વારા કરેલ ઉત્પાદન ની માહિતી
સબબ અરજી.

:- પ્રમાણપત્ર :-

આથી પ્રમાણપત્ર આપવામાં આવે છે કે, જામનગર જિલ્લાના લાલપુર તાલુકાના ચોરબેડી ગામે સર્વે નં.૦૧ પૈકી માં વિસ્તાર : ૨૫૪.૮૮.૦૦. હેક્ટર ખનિજ લાઈમસ્ટોન (મેજર)ની માઈનીંગ લીઝ તા. ૧૮/૦૬/૧૯૮૩ ના હુકમથી શ્રી દિગ્વીજય સિમેન્ટકુ.લી નામે મંજૂર કરી, ૨૦(વીસ) વર્ષ માટે કરારખત કરવામાં આવેલ. વંચાણે લેવામાં આવેલ પત્રની વિગતે એન્વાયનમેન્ટ સર્ટીફિકેટ મેળવવાના કામે માંગવામાં આવેલ લીઝ વિસ્તારમાંથી લાઈમસ્ટોન ખનિજના ઉત્પાદન સબબની આંકડાકીય માહિતી, સંબંધીત ખાતાની ઓનલાઈન તથા ઓફલાઈન ચકાસણી કરતાં, આપના દ્વારા રજૂ થયેલ ઓનલાઈન/ઓફલાઈન માસિક પત્રકોથી જાહેર થયા મુજબ નીચેની વિગતે વર્ષ : ૧૯૮૩-૮૪ થી વર્ષ : ૨૦૧૮-૧૯ સુધીના વર્ષના લાઈમસ્ટોન ખનિજના જથ્થાનું ઉત્પાદન કરવામાં આવેલ હોવા સબબ પ્રમાણપત્ર આપવામાં આવે છે. (આ માહિતી માત્ર ઓનલાઈન માસિક પત્રક 'ઈ-રીટર્ન તથા ઓફલાઈન ' ના આધારે પુરી પાડવામાં આવેલ છે.)

આ પ્રમાણપત્રનો ઉપયોગ માત્ર આપે પ્રમાણપત્ર મેળવવા સારૂ જાહેર કરેલ કારણ " એન્વાયનમેન્ટ સર્ટીફિકેટ " કામ અર્થે જ થઈ શકશે. અન્ય કોઈ કાયદાકીય પ્રશ્ન ઉપસ્થિત થવાના સંજોગોમાં આ પ્રમાણપત્રને આધારે કોઈ બચાવનામા, ખુલાસા કે કાયદાકીય રક્ષણ મેળવી શકાશે નહીં.

ક્રમ નં.	વર્ષ	ઉત્પાદન (મે.ટનમાં)
૧	૧૯૮૩-૮૪	૧૧૨૨૨૯.૨૦૦
૨	૧૯૮૪-૮૫	૫૧૧૯૯.૭૦૦
૩	૧૯૮૫-૮૬	૧૪૫૭૮૩.૯૦૦
૪	૧૯૮૬-૮૭	૨૦૭૬૪૧.૫૨૦
૫	૧૯૮૭-૮૮	૫૮૫૪૬.૨૮૦
૬	૧૯૮૮-૮૯	૪૯૯૫૪.૬૬૦
૭	૧૯૮૯-૨૦૦૦	૬૩૭૬૭.૭૨૦
૮	૨૦૦૦-૨૦૦૧	૧૧૫૭૧.૨૮૦
૯	૨૦૦૧-૦૨	૩૨૫૩૯.૯૦૦
૧૦	૨૦૦૨-૦૩	૧૩૧૭.૨૦૦

૧૧	૨૦૦૩-૦૪	૦૦૦
૧૨	૨૦૦૪-૦૫	૧૦.૦૦૦
૧૩	૨૦૦૫-૦૬	૦૦૦
૧૪	૨૦૦૬-૦૭	૧૦.૦૦૦
૧૫	૨૦૦૭-૦૮	૦૦૦
૧૬	૨૦૦૮-૦૯	૧૪.૫૦૦
૧૭	૨૦૦૯-૧૦	૨૩૨૭.૪૬૦
૧૮	૨૦૧૦-૧૧	૦૦૦
૧૯	૨૦૧૧-૧૨	૦૦૦
૨૦	૨૦૧૨-૧૩	૨૮૬૯.૩૫૦
૨૧	૨૦૧૩-૧૪	૭૭૬.૨૮૦
૨૨	૨૦૧૪-૧૫	૪૯૫૯.૮૨૦
૨૩	૨૦૧૫-૧૬	૧૪૯૩૯૫.૩૯૦
૨૪	૨૦૧૬-૧૭	૧૫૪૫૩૪.૪૧
૨૫	૨૦૧૭-૧૮	૩૨૨૧૬૬.૩૬૦
૨૬	૨૦૧૮-૧૯	૨૫૬૮૨૫.૨૩૦

ભુસ્તરશાસ્ત્રી
ભુસ્તર વિજ્ઞાન અને ખનિજ ખાતું
જામનગર

પ્રતિ,

મે.શ્રી દિગ્વીજય સિમેન્ટકુ.લી.

દિગ્વીજય ગ્રામ, સિક્કા, જામનગર.

Office of the Collector (Mining Department)
Geology & Mining Department
Lal Bungalow Circle, Opposite District Court, Jamnagar

No. GJ/AKAD-ML-JN/19/1515

Date: 03.07.2019

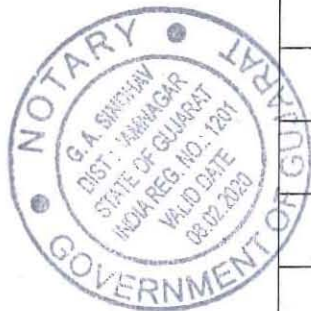
Sub: - Application for Details of production required by Mining lease holder Shree Digvijay Cement Co. Ltd.

CERTIFICATE

It is hereby certified that Mining Lease in Survey No.01/p for 254.89.00 Hectares in Chorbedi village, Lalpur Taluka of Jamnagar District for Limestone (Major) has been granted to Shree Digvijay Cement Co. Ltd on 18/06/1983. Lease Deed was executed for 20 years. About above subject, details are required for obtaining Environment Clearance. It is certified as here under that the production details for the mining lease for the years 1993-94 to 2018-19 are verified by related online account and offline verification (The verified details are based on online monthly Return "e. return and offline" data).

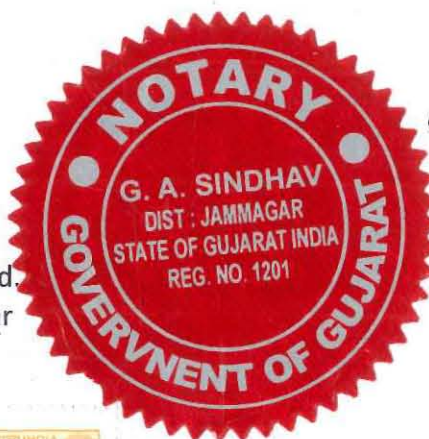
This certificate is issued only for environment clearance and should not be used for any other purpose.

Sr No.	Year	Production (MT)
1.	1993-94	112229.200
2.	1994-95	51199.700
3.	1995-96	145783.900
4.	1996-97	207641.520
5.	1997-98	58546.280
6.	1998-99	49954.660
7.	1999-2000	63767.720
8.	2000-2001	11571.280
9.	2001-02	32539.900
10.	2002-03	1317.200
11.	2003-04	0000
12.	2004-05	10.000
13.	2005-06	0000



14.	2006-07	10.000
15	2007-08	0000
16.	2008-09	14.500
17.	2009-10	2327.460
18.	2010-11	0000
19.	2011-12	0000
20.	2012-13	2869.350
21.	2013-14	776.280
22.	2014-15	4959.820
23.	2015-16	149395.390
24.	2016-17	154534.410
25.	2017-18	322166.360
26.	2018-19	256825.230

To,
Shree Digvijay Cement Co. Ltd.
Digvijaygram, Sikka, Jamnagar



Sd/- Geologist
Geology & Mining Department
Jamnagar

TRANSLATED TRUE COPY

G. A. SINDHAV
NOTARY

No.: 7789/m

Dt: 23/7/24





ગુજરાત ગુજરાત GUJARAT

BV 321783

અનુક્રમ નં. ૯૬૬૮ તારીખ ૨૬/૦૮/૨૦૧૮
 રા. ૨૦૦૮ નંગ ૨૦૦૮ પેઢી ૨૦૦૮
 ખરીદનારનું નામ શ્રી. (દિગ્વિજય) સોને-૮ ફેમ ૭૧
 રહેવારી રા. ૨૦૦૮ હસ્તે (મો. ૨૦૦૮) ૨૦૦૮-૨
 ખરીદનારની સહી (મો. ૨૦૦૮) ૨૦૦૮-૨

ઘર : મહેશરીનગર,
 તાલુકા દરવાજા બહાર,
 જામનગર - ૩૬૧૦૦૧

દેવસી જે. ધુલીયા: (સ્ટેમ્પ વેન્ડર)
 લાલ બંગલા કંપાઉન્ડ,
 જામનગર. લા. નં. : ૫/૨૦૦૦
Affidavit

Project of Chorbedi-I Limestone Mine (Area- 254.89 ha.) at Village – Chorbedi, Taluka:
 Lalpur, District: Jamnagar, Gujarat by M/s Shree Digvijay Cement Co. Ltd.

I, Anil Kumar Nigam, S/o Late Shri R.P. Nigam Authorised Signatory of the above
 project **Chorbedi-I Limestone Mine** do hereby solemnly affirms, declare and undertake
 as follows:

1. That, company abide by and will comply the conditions of O.M. No. 3-50/2017-
 IA.III (Pt.) dated 30th May, 2018 of Ministry of Environment, Forest and Climate
 Change, Govt. of India.

Contd....2....



Anil Nigam

:: 2 ::

2. That, company abide by and will comply with all the statutory requirements and Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

Anil Nigam
DEPONENT

Name: Anil Kumar Nigam
Designation: G.M. (Mines)

VERIFICATION:-

VERIFIED at Jamnagar on this 24.07.2019 that the contents of the above undertaking are true and correct to the best of my knowledge and records. No part of it is false and nothing has been concealed therein.

[Signature]
Q 11830101

Anil Nigam
DEPONENT

Name: Anil Kumar Nigam
Designation: G. M.(Mines)
Date:



SOLEMNLY AFFIRMED BEFORE ME

[Signature]
G. A. SINDHAV
NOTARY

No 7144/19

Dt 23/7/19



Government of Gujarat,
Industries and Mines Department,
No.MCR-1579-(D-30)-4107-Chh.1
Sachivalaya, Gandhinagar,
Dated the. **14 JUN 2017**

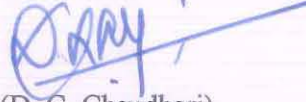
- Read:-** (1) Industries and Mines Department's, Order No. MCR-1579-(D-30)-4107-Chh, Dated:01/06/1983.
(2) Commissioner of Geology and Mining, Gandhinagar single file No.CGM-LEASE-ML-EXTENSION-16-17-JAM-14, dated 16/11/2016.

ORDER:-

The State Government has sanctioned Mining lease for Limestone to Shree Digvijay Cement Co. Ltd. for 20 Years vide this Department Order of even number dated 01/06/1983.

2. As per the section 8(A) (6) of the Mines and Minerals (Development and Regulation) Amendment Act-2015, the Commissioner, Geology and Mining has made a proposal dt.16/11/2016 to extend the lease period of Shree Digvijay Cement Co. Ltd. at Chorbedi-I, Taluka Lalpur, Dist. Jamnagar, Survey No.1, Area 254.89.00 hector. The matter was under consideration of the State Government and it has decided to extend the lease period upto 06/11/2033.
3. All the provision in the MMDR (Amended) Act, 2015 and the Minerals (Other Than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 are applicable to the lessee.
4. The remaining terms and conditions of the earlier order are the same.

By order and in the name of Governor of Gujarat,


(D. G. Chaudhari)
Deputy Secretary,
Industries and Mines Department

R.P.A.D.

To,
Shree Digvijay Cement Co. Ltd.,
Digvijaygram-361 140,
Jamnagar.

Copy to:-

- The Commissioner of Geology & Mining, Gujarat State, Gandhinagar.
with reference to his opinion received by Letter No.CGM-LEASE-ML-EXTENSION-16-17-JAM-14, dated 16/11/2016.
- The Collector of Jamnagar, Dist. Jamnagar. **(R.P.A.D.)**
- The Geologist, Office of Geology & Mining, Dist. Jamnagar.
- The Regional Controller of Mines, Indian Bureau of Mines, Sector No.11, Hiran Magri, Scheme, Udaipur. 313001
- The Director General of Mines, Dhanbad-826001
- The Director of Mines Safety, Udaipur Region, 56, Shastri Marg, Udaipur-313 001
- The Revenue Department, Sachivalaya, Gandhinagar.
- The District Inspector of Land Records, Dist. Jamnagar.
- The Accountant General, Gujarat, Ahmedabad.
- The Accountant General, Gujarat, Rajkot
- The Controller General, Indian Bureau of Mines, 6th floor, Block No. B & C, Indira Bhavan, Civillines, Nagpur-440001
- The Forest and Environment Department, Sachivalaya, Gandhinagar.
- The Member Secretary, Gujarat Pollution Control Board, Sector: 10-B, Gandhinagar
- Copy for D.S.(Mines), Industries and Mines Department, Select file.
- Copy for Dy.S.O. select file.
- copy for branch select file.

FORM-1

FORM - I

(I) Basic Information

S. No	Item	Details
1.	Name of the project	Chorbedi 1 Limestone Mine
2.	S. No. in the Schedule	1(a) (i)
3.	Proposed capacity/area/length/tonnage to be handled / command area / lease area / number of wells to be drilled	Proposed capacity: 0.716 Million Tonnes Per Annum Area : 254.89 Ha
4.	New/Expansion/ Modernization	None. The Environmental Clearance has already been accorded under Notification dated 27.01.1994 by Ministry of Environment & Forest, Government of India vide letter no. J-11015/50/2003-IA.II (M) dated 7 th October, 2005 for Chorbedi (Composite) Limestone mine for production capacity @ 0.9 million tonnes/ annum cumulatively. It is being re-applied in compliance to MoEF & CC Notification No. S.O. 1530(E) dated 6 th April 2018 under EIA notification 2006.
5.	Existing Capacity / Area etc.	Existing as per accorded EC for composite mine - 0.9 Million Tons / Annum – 419.07 Hectares
6.	Category of project i.e. 'A' or 'B'	"A"
7.	Does it attract the general condition? If yes, please specify.	No
8.	Does it attract the specific condition? If yes, please specify.	No
9.	Location	Latitude: 22° 5'52.51"N and 22° 4'37.19"N Longitude: 70° 0'8.03"E and 69°59'47.04"E KML File attached Location map of the mine lease area is shown in Annexure-5 .
	Plot/Survey/Khasra No.	Survey No. Old -01, 405 (New)
	Village	Chorbedi
	Tehsil	Lalpur
	District	Jamnagar
	State	Gujarat
10.	Nearest railway station/ airport along with distance in kms.	Gop Jam Railway Station at 9.33 km away in WSW direction from the project site and nearest Airport is Jamnagar Airport 41.05 Km in N direction.
11.	Nearest Town, city, District Headquarters along with distance in kms	Chorbedi village is situated at a distance of 1.80 km project site.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body	Village Panchayat-Chorbedi; Zila Parishad-Jamnagar;

S. No	Item	Details
	(Complete postal addresses with telephone nos. to be given)	Municipal Corporation-Lalpur
13.	Name of the applicant	Shri Anil Kumar Nigam
14.	Registered address	Shree Digvijay Cement Co. Ltd. PO : Digvijaygram, Sikka District : Jamnagar (Gujarat)
15.	Address for corresponding:	
	Name	Shri Anil Nigam
	Designation (Owner/ Partner/CEO)	General Manager (Mines)
	Address	Shree Digvijay Cement Co. Ltd. PO : Digvijaygram, Sikka District : Jamnagar (Gujarat)
	Pin Code	361140
	E-Mail	anil.nigam@digvijaycement.com
	Telephone No.	9099037895
	Fax No.	-
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	None
17.	Interlinked Projects	None
18.	Whether separate application of interlinked project has been submitted?	Not Applicable
19.	If yes, date of submission	Not Applicable
20.	If no, reason	Mineral will be used in own Cement Plant situated at Digvijaygram, Sikka District Jamnagar (Gujarat)
21.	Whether the proposal involves approval/clearance under: if yes details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z. Notification, 1991?	No
22.	Whether there is any Government Order/Policy relevant/relating to the site?	No Government Order/Policy relevant/relating to the site.
23.	Forest land involved (hectares)	76.89 Hectares Forest Land; Possession taken back by Forest Department, since 2004.
24.	Whether there is any litigation pending against the project and /or land in which the project is propose to be set up? (a) Name of the court (b) Case No. (c) Orders/directions of the court, if any and its relevance with the proposed project.	No litigation is pending against this project.

(II) Activity

Construction, operation or decommissioning of the Project involving actions which will cause physical changes in the locality (topography, land use, changes in water bodies etc.)

S. No	Information / Checklist Confirmation	Yes/ No	Details thereof (with approximate quantities / rates wherever possible) with source of information
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use)	Yes	The Topography of the core zone has changed due to the mining operation in the form of mine pits, haulage roads, infrastructural facilities, etc. Total 178 ha. of land out of 254.89 ha. is being used for mining & ancillary activities till the end of life of mine.
1.2	Clearance of existing land, vegetation and buildings?	No	Not Applicable
1.3	Creation of new land uses?	No	At the end of life of mine total excavated area will be converted into water reservoir.
1.4	Pre-construction investigations e.g. bore holes, soil testing?	No	Exploration has already been done. (refer mine plan)
1.5	Construction works?	No	No construction work is involved during the project.
1.6	Demolition works?	No	No demolition work is involved and mine already in operation
1.7	Temporary sites used for construction works or housing of construction workers?	No	As mine is operational and no construction work is involved. Hence no housing for construction workers is required.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.	No	Mine already in operation
1.9	Underground works including mining of tunneling?	No	This is an Open cast Fully Mechanized Mine.
1.10	Reclamation works?	Yes	At the end of life of mine total excavated area will be converted into water reservoir. The deepest portions of lease area would be used be for accumulation of rainwater to help recharge and increase ground water level at the place. Simultaneously planation shall be taken up year wise @200 saplings/year at the statutory barrier preferably.
1.11	Dredging?	No	No Dredging is involved.
1.12	Offshore structures?	No	Not Applicable

S. No	Information / Confirmation	Yes/ No	Details thereof (with approximate quantities / rates wherever possible) with source of information								
1.13	Production and manufacturing processes?	Yes	<p>Opencast Fully Mechanized mine. production :As on 01.09.2018</p> <table border="1"> <tr> <th>Project Name</th><th>Geological Reserve</th><th>Mineable Reserve (MT)</th><th>Production Individual (MT)</th></tr> <tr> <td>Chorbedi-1 Limestone Mine</td><td>3.974</td><td>3.084</td><td>0.716</td></tr> </table>	Project Name	Geological Reserve	Mineable Reserve (MT)	Production Individual (MT)	Chorbedi-1 Limestone Mine	3.974	3.084	0.716
Project Name	Geological Reserve	Mineable Reserve (MT)	Production Individual (MT)								
Chorbedi-1 Limestone Mine	3.974	3.084	0.716								
1.14	Facilities for storage of goods or materials?	Yes	The excavated limestone will be transported to cement plant. However excavated limestone may be stored temporarily at Mine/Pit before dispatch. Tools and equipments is being stored in store room.								
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	<p>As the limestone bed is exposed at the surface within the lease area at Chorbedi-1 and there is no soil or no overburden to be removed during mining. The entire thickness of limestone from the surface up to the workable depth has been considered as usable limestone for cement manufacture and there is no inter burden to be treated as rejects.</p> <p>No solid waste will be generated at this mine and consequently there will be no waste disposal or dumping places as such</p>								
1.16	Facilities for long term housing of operational workers?	No	Most of the workers are being employed from nearby villages. Hence long term housing facilities are not involved								
1.17	New road, rail or sea traffic during construction or operation?	No	There is no need to construct new road, rail or sea traffic, as existing facilities are sufficient during operation of mine site.								
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	Existing facilities are sufficient.								
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	There is no closure or diversion of existing routes or infrastructure for the proposed project.								
1.20	New or diverted transmission lines or Pipelines?	No	There are no new or diverted transmission lines or pipelines in the project site.								
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of	No	Water is encountered at depth of 18-20m. In monsoon, water table rise up to depth of 12 m form adjacent ground level.								

S. No	Information / Checklist Confirmation	Yes/ No	Details thereof (with approximate quantities / rates wherever possible) with source of information
	watercourses or aquifers?		Due to mining activity, natural water quality is not going to affect adversely as mining is restricted above water table. No natural drain passing through lease area hence no chances of mixing of silt etc. in water. There is no chance of discharge of siltation during overflowing of pit in rainy season.
1.22	Stream crossings?	No	No stream is crossing through mine lease area.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Total water requirement is 20 KLD. Presently the requirement is being met from outside. Application for permission to use Ground Water already submitted to CGWA.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	The extraction of minerals will lead to formation of pit, which will hold rain water and hence reduce the runoff and would not affect the surrounding surface water and runoff.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Transport of Limestone is being made by private vehicles (trucks/ dumpers) of the applicant/contractors.
1.26	Long-term dismantling or decommissioning or restoration works?	Yes	At the end of life of mine total excavated area will be converted into water reservoir. The void formed by excavation of mineral will be used be for accumulation of rainwater to help recharge and increase ground water level at the place. Simultaneously planation shall be taken up year wise @200 saplings/year at the statutory barrier preferably.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	None
1.28	Influx of people to an area in either temporarily or permanently?	Yes	For employment and for business opportunities
1.29	Introduction of alien species?	No	There would be no introduction of any alien species since local species would be preferred for the plantation.
1.30	Loss of native species or genetic diversity?	No	There will not be any loss of native species or genetic diversity.
1.31	Any other actions?	No	No other actions would be involved for the

S. No	Information / Checklist Confirmation	Yes/ No	Details thereof (with approximate quantities / rates wherever possible) with source of information
			excavation of the mineral.

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	Total lease area is 178.00 Hectares; Government Revenue Waste Land. (Already under use)
2.2	Water (expected source & competing users) unit: KLD	Yes	Expected Source: being purchased from nearby well. Competing users – Farmers. Quantity: 20 KLD.
2.3	Minerals (MT)	Yes	Mining of Limestone is done at production of 0.716 MT per year.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	There is no construction needed in lease area hence no construction material is used.
2.5	Forests and timber (source – MT)	No	No forest and timber products are involved in the proposed project.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	0.002 MW (2 KVA) Electricity from GEB for office (Lighting, Computer / Printer etc.). HSD -1.9KLD,; from nearby Petrol Pumps
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources are used.

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	The project does not involve any hazardous materials as per MSIHC rules.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not envisaged.
3.3	Affect the welfare of people e.g. by	Yes	This project is providing livelihood to the

	changing living conditions?		workforce and to Local population which is helping in improving the living conditions.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	No Vulnerable groups of people are being affected by the project.
3.5	Any other causes	No	Not available.

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

S. No	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
4.1	Soil, overburden or mine wastes	No	Not Applicable As the limestone bed is exposed at the surface within the lease area at Chorbedi 1 and there is no soil or no overburden to be removed during mining. The entire thickness of limestone from the surface up to the workable depth has been considered as usable limestone for cement manufacture and there is no inter burden to be treated as rejects.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Meager quantity.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No Hazardous waste (as per Hazardous Waste Management Rules) is being generated.
4.4	Other industrial process wastes	No	There is no industrial process involved in the project.
4.5	Surplus product	No	No surplus product is generated during the operation of mine.
4.6	Sewage sludge or other sludge from effluent Treatment	No	No sewage sludge or other sludge generated from proposed mine.
4.7	Construction or demolition wastes	No	No construction or demolition work involved.
4.8	Redundant machinery or equipment	No	Not envisaged.
4.9	Contaminated soils or other materials	No	There is no contamination of top soils and other materials.
4.10	Agricultural wastes	No	No agriculture waste is generated from the project.
4.11	Other solid wastes	No	No other solid waste is generated.

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

S. No	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible)
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			with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emissions during operation of diesel driven HEMM etc. is envisaged. Details of emission and impact will be provided in EIA report.
5.2	Emissions from production processes	Yes	Drilling – Blasting Free Eco Friendly Mining method is proposed. RoM shall be dispatched to already operational Cement Plant. Crushing shall not be performed at Mines. However Fugitive dust will be generated during Transportation and Ripping/Milling of Limestone. Adequate mitigation measures will be taken. CPCB fugitive emission control guidelines will be adopted.
5.3	Emissions from materials handling including storage or transport	Yes	<ul style="list-style-type: none"> • Fugitive emissions are envisaged from material handling and transportation areas. • Emissions of SO₂, NO_x and CO are envisaged due to vehicular movements. • Dust emissions are controlled by spraying of water.
5.4	Emissions from construction activities including plant and equipment	No	No construction activity has been carried out at site so there are no emissions from any such activities.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	The mining activities may cause increase in PM levels locally. The impacts are reversible, marginal and temporary in nature. Dust suppression is being done by sprinkling of water. However, there are no odor generation substances.
5.6	Emissions from incineration of waste	No	No incineration of waste is involved in the mining operation.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No burning of waste is involved.
5.8	Emissions from any other sources	No	There is no other source of emission.

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S. No	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	All the equipment's are equipped with Acoustic enclosure to maintain the

			ambient noise level with prescribed limits of CPCB.
6.2	From industrial or similar processes	No	No industrial processes are involved.
6.3	From construction or demolition	No	No construction or demolition is involved.
6.4	From blasting or piling	No	No Drilling & Blasting is envisaged
6.5	From construction or operational traffic	Yes	<ul style="list-style-type: none"> • Marginal increase in noise level due to transportation of mineral. Meager noise can be anticipated from the traffic. • Measures have been taken to control noise with proper preventive maintenance and lubrications.
6.6	From lighting or cooling systems	No	No lighting or cooling systems are involved.
6.7	From any other sources	No	There are no any other sources which generate noise and vibration.

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S. No	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	No hazardous material storage or handling is envisaged.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	It will be a zero discharge mine Surface run off collected in series of settling ponds and mined out pits. No effluent will be discharged from the mine lease area.
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	Airborne dust may deposit on leaves of plantation affecting their growth.
7.4	From any other sources	No	There is no other source from which risk of contamination is anticipated.
7.5	Is there a risk of long term buildup of pollutants in the environment from these sources?	No	There is no risk of long term buildup of pollutants in the environment from the proposed project.

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S. No	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc. from storage, handling, use or production of hazardous substances	No	There is no risk as there is no hazardous substance being used.
8.2	From any other causes	Yes	Vehicle movement

8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	No	The Jamnagar falls under the zone IV as per the Seismic Zone Map of India.
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9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S. No	Information/ checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
9.1	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) housing development extractive industries supply industries other 	Yes No No Yes No	These facilities will be strengthened. Potential for development of small vendors namely workshops / fabrication shops / hardware / automobile repairs etc.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	The void formed by excavation of mineral will be used be for accumulation of rainwater to help recharge and increase ground water level at the place. Simultaneously planation shall be taken up year wise @200 saplings/year at the statutory barrier preferably.
9.3	Set a precedent for later developments	Yes	A better after use scenario, which is likely to increase aesthetic beauty of the area by doing plantation on reclaimed area
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	There will be no cumulative effects due to proximity to other existing or planned projects with similar effects.

(III) Environmental Sensitivity

S. No	Areas	Name / Identity	Aerial distance (within 15 kms.) Proposed Project Location Boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	None	--
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.	Rupavati Reservoir Kabaraka DAM Unclassified Forest Gop Dungar RF Kotiya Dungar RF	Adjoining Approx. 14.1 km in W direction. Adjoining Approx. 7.0 km in ESE direction. Approx. 6.0 km in SE direction.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	Gop Dungar RF Kotiya Dungar RF	Approx. 7.0 km in ESE direction. Approx. 6.0 km in SE direction.
4	Inland, coastal, marine or underground waters	Rupavati Reservoir Kabaraka DAM	Adjoining. Approx. 14.1 km in W direction.
5	State, National boundaries	None	--
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	SH-27	Approx. 12 km in W direction.
7	Defense installations	None	--
8	Densely populated or built-up area	Chorbedi	1km to project site
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	1.Tebhada Vadi area School no. 2 2 Tebhada Vadi area Primary School no. 1 3 Ravechi Mata Mandir 4 Surapura Dada Temple 5 Govt. Hospital Lalpur	1) Approx. 3.2 km in WNW 2) Approx. 5.1 km in W 3) Approx. 5.14 km in WNW 4) Approx. 5.5 km in ESE 5) Approx. 10.38 km in NW
10	Areas containing important, high quality or scarce resources (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	Rupavati Reservoir Kabaraka DAM Gop Dungar RF	Adjoining Approx. 14.1 km in W direction. Approx. 7.0 km in ESE direction.

		Kotiya Dungar RF	Approx. 6.0 km in SE direction.
11	Areas already subjected to pollution or Environmental damage. <i>(those where existing legal environmental standards are exceeded)</i>	Nil	--
12	Areas susceptible to natural hazard which could cause the project to present environmental problems <i>(earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)</i>	Earthquake	The Jamnagar falls under the zone IV as per the Seismic Zone Map of India.