

**Ambuja  
Cement**

Ref. ACH/EMD/F-20/11(01)/2020

27 Nov, 2020

**Dr.Bhardwaj Adiraju,  
MoEF&CC,  
Regional Office (NCZ), 25  
Subhash Road,  
Dehradun – 248001.**

**Sub: Compliance Status for Expansion of Kashlog Limestone Mining Project of M/s Gujarat Ambuja Cement Ltd. Located in parts of Village(s) Kashlog, Mangu, Pati, Chola, Gyana, Rauri and Sangoi, Tehsil Arki, District Solan, Himachal Pradesh- environmental clearance reg. – J- 11015 /200/2005-IA.II (M) for the period from April, 2020 to Sep, 2020.**

**Dear Sir,**

Please find the enclosed point-wise compliance of Specific and General Conditions of above mentioned Environmental Clearances.

**List of tables attached are as below:**

1. Gyana Khad water analysis report is enclosed as table – 1.
2. Results of Ambient Air Quality monitored at 4 locations in mines area are given in table- 2.

**List of annexure attached are as below:**

1. Expenditure details for Environmental Protection activities- annexure 1.
2. Consent compliance Kashlog Limestone Mines- annexure 2.

This point wise compliance of specific and general conditions of EC is being forwarded along with relevant/ready **reference photographs & annexures** to your kind goodself in a systematic context, please.

**Thanking you,**

Yours Faithfully,  
For **Ambuja Cements Ltd., (Kashlog Limestone Mines)**

  
**(Sandeep Bhimta)**  
**Head,Environment**

CC to:

- (i) Zonal Office (North) PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow - 226 010
- (ii) Regional Officer, H P State Pollution Control Board, S.C.F. 6, 7 and 8, Sector – IV, PARWANOO, Distt. Solan (H.P.)

**Encl.:** (i) As above  
(ii) Soft copy through e-mail

AMBUJA CEMENTS LIMITED  
(UNIT RAURI)

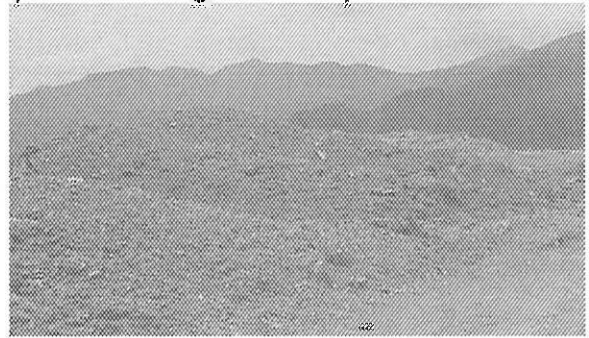


P.O. Darlaghat, Tehsil Arki, Distt. Solan- 171102 (H.P.) Phone: 01796246468, 246283 Fax: 248335, 248316  
(Regd. Off. : P.O Ambuja Nagar, Talika- Kodinar, Distt. Junagarh, Gujarat - 362715)




**COMPLIANCE OF CONDITIONS LAID DOWN BY MoEF IN NOC GRANTED FOR THE EXPANSION OF  
KASHLOG LIMESTONE MINES OF AMBUJA CEMENTS LIMITED (3.3-5.5MTPA)  
J-11015 /200/2005-IA.II (M)**

Sr. No.	STIPULATION	ACTION
<b>2A. <u>Specific Conditions</u></b>		
(i)	All the conditions stipulated by the State Pollution Control Board in their Consent should be effectively implemented.	Implemented.
(ii)	The project proponent shall obtain prior approval of the Chief Wildlife Warden before enhancing the production from the mine.	Necessary permission / No Objection Certificate for increase in the rate of limestone extraction from the existing Mining Lease area located in parts of village(s) Kashlog, Mangu, Pati Chola, Gyana, Rauri and Sangoi has been obtained.
(iii)	The project proponent shall obtain requisite forestry clearance for diversion of entire forestland involved in the project from the competent authority prior to start of enhanced production from the mine. No mining work shall be carried out in the forest area for which forestry clearance has not been obtained.	Required Forestry clearance for diversion of forestland has been obtained.
(iv)	The project proponent should prepare a comprehensive plan to combat environmental degradation including landslide keeping in view the location of mine in seismically active zone IV and landslide prone zone. The proponent should identify critically degraded areas in terms of hectares and prepare the area maps along with time bound action plan for their improvement including details of protective structures using perennial soil binding native grass species, shrubs and tree species and earmark separate budgetary provision for this activity. Details in this regard shall be submitted to this Ministry and its Regional Office located at Chandigarh within 3 months.	A comprehensive plan to combat environmental degradation has been made and submitted vide our office letter No. ACH/EMD/F-13/01-70 dated 31 <sup>st</sup> January 2007.
(v)	The environmental clearance is subject to approval of the State Landuse Department, Government of Himachal Pradesh for diversion of agricultural land for non-agricultural use.	Noted
(vi)	The mining operations shall not intersect groundwater table. Prior approval of the Ministry of Environment & Forests and Central Ground Water Authority shall be	Mining does not intersect ground water.

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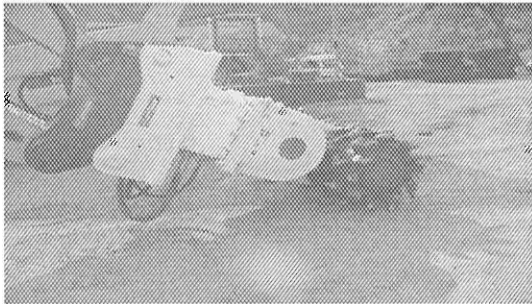
	obtained for mining below water table.	
(vii)	<p>Topsoil should be stacked separately at earmarked sites and should not be kept active for long period. It should be used for reclamation and rehabilitation of the mined out areas.</p>	<p>Availability of Topsoil is very less in quantity. However, this quantity of Top soil is being used for plantation.</p>  <p align="center"><b>Top soil stacked separately for reclamation and rehabilitation</b></p>
(viii)	<p>Catch drains and siltation ponds of appropriate size should be constructed for the working pit, and soil dump to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly.</p> <p>Garland drain (size, gradient and length) shall be constructed for mine pit and soil dumps and sump capacity should be designed keeping 50 % safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>Check dams &amp; check filters have already been provided surrounding to mines area for water quality management. Except these retaining walls and Surface drains etc. are also constructed.</p>  <p align="center"><b>Check Dam/Check Walls</b></p> <p>To harvest rainwater for ground water recharging three rainwater harvesting reservoirs of capacity 73457m<sup>3</sup> have been provided in Mines.</p>  <p align="center"><b>A Rainwater harvesting pond at mines.</b></p>
(ix)	Dimension of the retaining wall at the OB benches within the mine to check run-off and siltation should be based on the rainfall data.	No Over Burden shall be generated.

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(x)	Plantation shall be raised in an area of 239.06 ha including a green belt around ML area, roads etc. by planting the native species in consultation with the local DFO / Agriculture Department. The density of the trees should be around 2000 plants per ha.	<p>As per the EMP, 239.06 area shall come under plantation once the mining activities area completed in the ML area. This comprises 196 ha of mined and reclaimed area and 43.06 ha of virgin non mineralised area. Out of total ML area of 469.00 ha, post mining, a total of 225 ha area would be available for reclamation and rehabilitation. It has been envisaged to convert 29 ha reclaimed area to water bodies. Rest of the reclaimed areas i.e., 196 ha would be rehabilitated in the form of afforestation and orchards. At the end of mine life, out of the balance 244 ha area which is not amenable for excavation for mineral raising, plantation would be carried out in phases over 43.06 ha of this area while remaining area would remain undisturbed and shall form a part of safety zone and other statutory barriers. As on date, 1 ha out of 196 ha area has been reclaimed and plantation has been done on 7.48 ha out of 43.06 ha. area in consultation with local DFO.</p>  <p style="text-align: center;"><b>Plantation in Mines</b></p>
(xi)	Regular monitoring of the flow rate of the springs and perennial nallah will be carried out and records maintained.	Regular monitoring is being carried out and records are maintained. Water quality monitoring reports are enclosed as table 1.
(xii)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, CGWB. The frequency of monitoring should be four times a year, pre-monsoon (April / May), monsoon (August), post-monsoon (November), and winter (January). Data	Ground water level and quality monitoring is being carried out by third party (NABL accredited lab). A letter in regard to installation of piezometers & ground water augmentation has already been written to Regional Director, CGWB seeking their advice on the issues vide letter no. ACL:MR:HP:CGWA:2015:1 dated 30-06-2015. A letter from CGWB North has been received vide TC-04/NHR/STI/State/10-643 dated 2/12/2015. Three piezometers



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	thus collected should be sent at regular intervals to MoEF, CGWA and Regional Director, CGWB.	monitoring bores have been installed.
(xiii)	Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB	Regional Director, CGWB is being approached to suggest conservation measures vide letter no. ACL:MR:HP:CGWA:2015:1 dated 30-06-2015. A letter from CGWB North has been received vide TC-04/NHR/STI/State/10-643 dated 2/12/2015. Three piezometers monitoring bores have been installed.
(xiv)	Only wet drilling shall be adopted. Drills should either be operated with dust extractors or equipped with water injection system.	Being complied.
(xv)	Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibration and to arrest fly rocks and boulders should be implemented.	<p>(a). Blasting operation is being carried out in daytime only.</p> <p>(b). We use IKON digital energy control system to blast in critical areas. This system is more precise and accurate and generates less ground vibrations, fly rock and give better fragmentation.</p> <p>Advanced controlled blasting technique is practiced such as use of NTD, Excel, muffled blasting, optimum quantity of blasting material are practiced to avoid dust generation, fly rock, noise level and ground vibration because of the activity.</p> <p>Secondary blasting is avoided by use of hydraulic breaker.</p>  <p style="text-align: center;"><b>Hydraulic Breaker</b></p>
(xvi)	Minerals handling plant should be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Minerals handling plant are being provided with bag filters. Bag filters are attached at all the transfer points to arrest the dust. The dust so collected is automatically recycled in the process.
(xvii)	Vehicular emissions should be kept under control and regularly monitored. Measures	Regular maintenance of vehicles is carried out to keep vehicular emission under

Environment protection measures & technology


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	shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.	control. PUC monitoring of the vehicles is done regularly. Raw material is fed to the crusher located within the mine from which it is sent to plant through fully covered Overland Belt Conveyor. So, vehicles are not required to be covered.
(xviii)	The project proponent should take all precautionary measures during mining operation for conservation and protection of endangered fauna such as leopard, wild dog etc. reported in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in conservation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional Office within 3 months.	Wildlife Conservation Plans have been prepared in consultation with State Forest & Wildlife Department and the same are authenticated by PCCF (Wildlife) vide letters dated WL(Misc)-73/Mining/VI/8295 dated 14/1/2014 and WL(Misc)-73/Mining/VI/7473 dated 24-12-2013. The allocated necessary funds for the purpose have already earmarked in the Conservation plan and Rs. 97,10,000/- (Rupees ninety seven lakh ten thousand only) have already been submitted for the wildlife conservation activities vide letter no. ACL/CORP. AFFAIRS/WL CESS/2015 Dated 17-01-2015. Rs 47.90 lacs has been submitted as part of commitment in WLCP to State Wildlife Forest Deptt. through CAMPA Account (RTGS) on 18/03/2016 for year 2016. Recently we have submitted Rs 10 lacs to State State Wildlife Forest Deptt. through CAMPA Account. Total amount submitted Rs. 1.55 crores for WLCPs.
(xix)	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land and pattern and report submitted to MoEF and its regional office.	A report on digital processing of the lease area has been submitted vide our letter no. 20/05(01)/2020 dated 27Nov, 2007.
(xx)	Land oustees should be rehabilitated as per the Resettlement and Rehabilitation plan approved by the Government of Himachal Pradesh.	Land oustees are being rehabilitated as per the Resettlement and Rehabilitation plan approved by the Government of Himachal Pradesh.
(xxi)	Consent to operate should be obtained from SPCB before starting enhanced production from the mine.	Consent to operate has been granted by HPSPCB.
(xxii)	Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and mineral separation plant wastewater.	Sewage treatment plant has been provided for colony. Being a dry process no effluent is generated however a settling tank and oil & grease trap has been provided for workshop.
(xxiii)	A Final Mine Closure Plan along with details of Corpus Fund should be	The point has been noted and shall be taken care well within time.

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	submitted to the Ministry of Environment & Forest 5 Years in advance of final mine closure for approval.	
<b>B. General conditions</b>		
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	If there is any change in mining technology and scope of working, prior approval shall be taken from Ministry of Environment and Forests.
(ii)	No change in the calendar plan including excavation, quantum of mineral limestone and waste if any should be made.	There is no change. If any, prior approval shall be taken from MoEF.
(iii)	Four ambient air quality - monitoring stations should be established in the core zone as well as in the buffer zone for RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be under taken in consultation with the State Pollution Control Board.	Ambient air quality is being carried out at four locations & reports of the same are being submitted to HPSPCB. Same are enclosed as table 2.
(iv)	Data on ambient air quality (RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> ) should be regularly submitted to the Ministry including its Regional office located at Chandigarh and the State Pollution Control Board / Central Pollution Control Board.	Data is regularly being submitted to HPSPCB, CPCB and MoEF Dehradun on regular basis.
(v)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	<p>To control the fugitive dust emission from various sources we have installed the bag filters. Restricted speed limits for the vehicles inside plant &amp; mines also help to reduce the fugitive dust emission. Water spraying arrangement on haul roads, loading and unloading and at transfer points have been provided and properly maintained.</p>  <p style="text-align: center;"><b>Water Sprinkling on Haul Roads</b></p>

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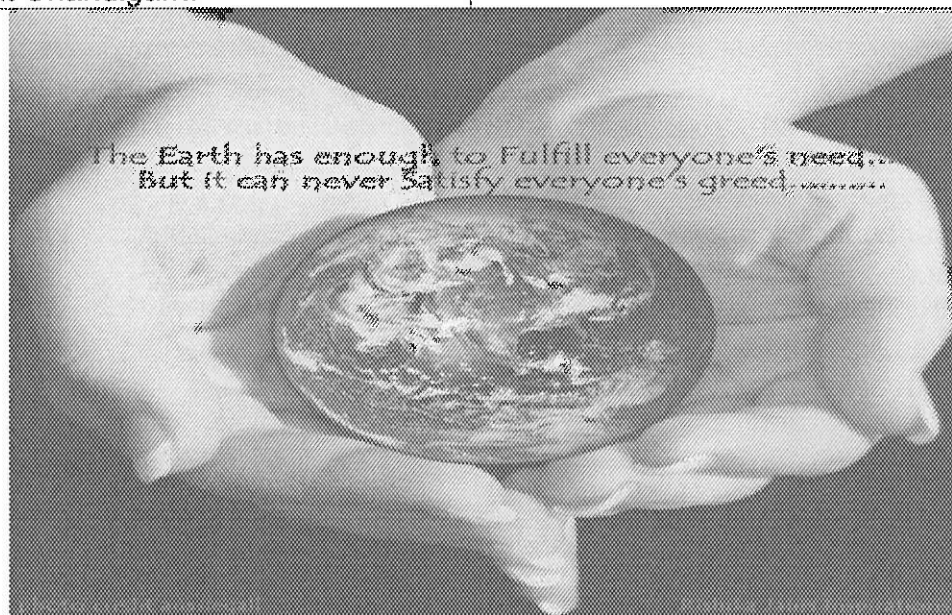
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(vi)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc should be provided with ear plugs / muffs.	All the precautionary measures have been taken to keep the noise levels within limits. The noise level inside the cabin of HEMM is very low however the workers engaged in operations of HEMM are provided with ear plugs/ muffs.
(vii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Settling tank and Oil & Grease Trap has been provided.
(viii)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Company is very much conscious about the occupational health and safety of employees and workers. Different types of health and house keeping programmes are regularly being organized by the company and the records are maintained. All the workers and employees are trained about the use of Personal Protective Equipments. Being a conscious company about the safety of employees the company has its own five cardinal rules for safety which each and everyone have to follow.
(ix)	A separate environment management cell with suitable qualified personnel should be set up under the control of a senior executive, who will directly report to the Head of the Organisation.	(a) A separate Environmental Management Division has already been set up to look after environment related activities. (b) EMS awareness program & other regular eco-green activities are being carried out as per our scheduled targets.
(x)	The project authorities should inform to the Regional Office located at Chandigarh regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	The production was started from 28 <sup>th</sup> March 2010.
(xi)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chandigarh.	The Funds earmarked for environmental protection measures are taken as a separate budget and six monthly expenditure is reported to the Regional office of MoEF.
(xii)	The Regional Office located at Chandigarh shall monitor compliance of	Officer(s) of Regional Office is/ are always fully co-operated.

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	stipulated conditions. The project authorities should extend full co-operation to the officer (s) of Regional Office by furnishing the requisite data / information / monitoring reports.	
(xiii)	A Copy of clearance letter will be marked to concerned panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	A Copy of clearance letter has been marked to concerned authorities.
(xiv)	State Pollution Control Board should display a copy of clearance letter at the Regional Office, District Industry Centre and Collector's Office / Tehsildar's office for 30 days.	-
(xv)	The project authorities should advertise at least in two local newspapers widely circulated, one of which should be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this ministry located at Chandigarh.	Advertisement has been made in two local local news papers, a copy of which has already been submitted to MoEF, Chandigarh.



Save Environment, Save Earth  
FMD- Team, ACl, Darbhanga

**AMBUJA CEMENTS LIMITED (UNIT-RAURI)**

**Compliance of Renewal of Consent conditions imposed by HPSPCB Kashlog Limestone Mines – 7.6**  
**MTPA - No HPSPCB/PCBID-10920/16427-29 dated 17/09/2018**

S.No.		
1.	<p>This Consent /Renewal of Consent is for</p> <p>a) The emission conforming to the norms as prescribed in schedule-1 of environment (protection) Rules, 1986 as may be prescribed by the Board.</p> <p>b) Noise and ambient air quality to be maintained within Ambient Air Quality Standards for Noise as specified in schedule III of aforesaid Rules.</p> <p>c) The effluent (domestic / industrial) conforming to the limits as prescribed in Schedule – I or Schedule – VI of Environment Protection Rules 1986 as amended or as may be prescribed by the Board.</p>	Being complied.
2.	Pollution Control Devices provided by the unit shall be operated and maintained to achieve the norms as prescribed in Environment (Protection) Act, 1986 as amended from time to time.	Being complied.
3.	The State Board reserves the right to revoke/review and alter the conditions of consent as the case may be.	Noted.
4.	Unit shall not undertake any expansion activity / or additional product in the existing unit without obtaining consent from State Board.	Noted.
5.	The project proponent shall be liable to clear any past/current liability on account of difference consent fees if detected at any subsequent stage.	Noted.
6.	The emission / effluent shall be got sampled and tested by the unit as well as concerned Regional Officer as prescribed and further renewal shall be dependent up on the results of samples so collected and tested.	Noted
7.	Unit shall have to apply for RCTO for further period with requisite fees in the concerned Regional Office within a month before expiry of consent.	Noted.
8.	This consent is subject to EC granted to	Noted.

**Compliance of Renewal of Consent conditions imposed by HPSPCB Kashlog Limestone Mines – 7.6**  
**MTPA - No HPSPCB/PCBID-10920/16427-29 dated 17/09/2018**

	the project by MoEF & CC, Govt. of India vide letter dated 8-09-2015.	
9.	Unit shall strictly adhere to the capacity as approved by the industries department and RO to ensure the same. This consent is subject to ratification of the State Board or any litigation pending at any court of Law.	Noted.
10.	The permission included 3 nos. of Stone crushers with capacities @100X2 TPH and 1200 TPH.	Noted.
11.	This consent is subject to approval of modified mining plan by IBM vide letter dated 21/11/2016. The mining shall be strictly carried out as per the approved mining plan.	Mining is being carried out as per approved mining plan.
12.	Unit shall ensure that regular water sprinkling shall be done by the unit to control dust emission and shall conform to the norms as prescribed under EP (Act), 1986 and rules there under.	Water sprinkling is being carried out on haul roads and wherever necessary to control the fugitive dust emission.
13.	Unit shall plant and raise identified species of Pollution Abating Plants in the vicinity of the stone crusher at least in 3 layers in order to control air and noise pollution. The list of identified plants is available in the State Boards website - <a href="http://hppcb.nic.in/plantationguide.pdf">http://hppcb.nic.in/plantationguide.pdf</a> .	The plantation will be raised in the upcoming monsoon.

**Monthly Average of Gyana Khad Water Quality Analysis Report**  
(From April 2020 to Sep 2020)

MONTH	SAMPLING POINTS	PARAMETERS			
		pH	TSS	TDS	DO
Apr-20	1	*	*	*	*
	2	*	*	*	*
	3	*	*	*	*
	4	*	*	*	*
May-20	1	7.2	37.4	326.1	4.1
	2	7.5	38.8	385.1	3.6
	3	7.3	33.4	358.0	3.9
	4	7.3	32.9	339.3	4.2
Jun-20	1	7.4	33.1	363.5	4.4
	2	7.7	50.7	400.4	3.6
	3	7.5	49.8	379.1	4.1
	4	7.4	43.4	368.1	4.5
Jul-20	1	7.3	45.4	330.4	4.2
	2	7.6	55.5	359.6	3.8
	3	7.4	43.4	346.3	4.2
	4	7.4	41.5	349.8	4.1
Aug-20	1	7.2	50.0	337.1	4.4
	2	7.4	60.1	365.0	3.8
	3	7.3	48.8	345.1	4.3
	4	7.2	42.2	336.2	4.5
Sep-20	1	7.4	41.9	349.1	4.4
	2	7.7	60.0	371.3	3.9
	3	7.5	46.5	353.3	4.3
	4	7.3	38.8	338.5	4.5

**AVERAGE      7.4      44.7      355.1      4.1**

\* Lock down due to corona virus

Except pH all the parameters are in mg/lit.

**Sampling Points**

1. 500mts. Upstream of First Nallah before joining Gyana Khad.
2. 500mts. Upstream of Second Nallah before joining Gyana Khad.
3. V-Notch installed in Gyana Khad. (SE Side of ML Area)
4. 500mts. Downstream from V-Notch of Gyana Khad.





**Monthly Average of Ambient Air Quality Monitoring Results Mining Area**  
**(PM 10, PM 2.5, SO<sub>2</sub> and NO<sub>x</sub> CONCENTRATION IN µg/m<sup>3</sup>)**  
**(From April 2020 to Sep 2020)**

MONTH	Mines Dormitory				Rathoh				Mangoo				Chandi			
	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>
Apr-20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
May-20	31.20	48.69	7.50	10.88	35.65	58.04	4.81	7.88	31.04	59.78	4.38	8.20	26.53	54.89	4.35	7.70
Jun-20	32.87	65.48	5.88	12.23	30.87	68.06	3.53	7.90	26.93	61.08	4.36	12.56	30.45	66.26	4.35	7.70
Jul-20	28.30	63.40	3.63	11.00	24.09	61.48	3.87	10.17	14.71	55.34	4.19	10.10	27.08	57.96	3.83	8.44
Aug-20	31.96	66.30	5.53	10.48	27.89	45.72	5.00	10.03	21.23	40.03	5.98	11.79	16.09	39.44	4.40	9.23
Sep-20	27.29	60.60	6.00	12.81	32.54	68.52	5.20	13.35	30.15	63.15	5.31	13.81	14.59	44.95	3.64	8.24

**Monthly Average of Ambient Air Quality Monitoring Results Mining Area**  
**(Lead, Nickel, Arsenic and CO)**  
**(From April 2020 to Sep 2020)**

MONTH	Mines Dormitory				Rathoh				Mangoo				Chandi			
	Lead µg/m <sup>3</sup>	Nickel ng/m <sup>3</sup>	Arsenic ng/m <sup>3</sup>	CO mg/m <sup>3</sup>	Lead µg/m <sup>3</sup>	Nickel ng/m <sup>3</sup>	Arsenic ng/m <sup>3</sup>	CO mg/m <sup>3</sup>	Lead µg/m <sup>3</sup>	Nickel ng/m <sup>3</sup>	Arsenic ng/m <sup>3</sup>	CO mg/m <sup>3</sup>	Lead µg/m <sup>3</sup>	Nickel ng/m <sup>3</sup>	Arsenic ng/m <sup>3</sup>	CO mg/m <sup>3</sup>
Apr-20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
May-20	ND	ND	ND	0.51	ND	ND	ND	0.66	ND	ND	ND	0.52	ND	ND	ND	0.4
Jun-20	ND	ND	ND	0.63	ND	ND	ND	0.69	ND	ND	ND	0.49	ND	ND	ND	0.45
Jul-20	ND	ND	ND	0.69	ND	ND	ND	0.85	ND	ND	ND	0.82	ND	ND	ND	0.41
Aug-20	ND	ND	ND	0.85	ND	ND	ND	0.9	ND	ND	ND	0.67	ND	ND	ND	0.42
Sep-20	ND	ND	ND	0.86	ND	ND	ND	0.68	ND	ND	ND	0.57	ND	ND	ND	0.45



**Environmental Expenditure – RAURI and Kashlog Limestone Mines( April 2020 - Sep 2020)**

Sr. No.	Environmental Expenditure Area	Capital/Recurring	
1	Air pollution control equipments maintenance(Bag Filters etc.), STP maintenance, Analyzers and other monitoring equipments maintenance.	Recurring	906871
2	Monitoring and analysis of environmental parameters, studies, purchase of small new equipments, plantation, fees, salaries & Site cleaning etc.	Recurring	5263474
3	Air pollution control equipments running expenses	Recurring	30529459
4	Mines – construction of check dams/ check filters, Toe walls etc, Water spraying on haul roads, use of IKON, plantation, soil conservation works, water harvesting etc.	Recurring Capital	1076843
5	Depreciation on Environmental assets	Capital	46224906
6	Community development works	Recurring	15111378

**Total Capital Cost: - 46224906 Rs /-**

**Total Recurring Cost:- 52888025 Rs /-**

**Total Cost Recurring + Capital Cost :- 99112931 Rs /-**

**(Rs. Nine Crore Ninety one Lakh Twelve Thousand Nine Hundred Thirty one only)**





**Compliance of Renewal of Consent conditions imposed by HPSPCB Kashlog Limestone Mines – 7.6**  
**MTPA - No HPSPCB/PCBID-10920/16427-29 dated 17/09/2018**

S.No.		
1.	<p>This Consent /Renewal of Consent is for</p> <p>a) The emission conforming to the norms as prescribed in schedule-1 of environment (protection) Rules, 1986 as may be prescribed by the Board.</p> <p>b) Noise and ambient air quality to be maintained within Ambient Air Quality Standards for Noise as specified in schedule III of aforesaid Rules.</p> <p>c) The effluent (domestic / industrial) conforming to the limits as prescribed in Schedule – I or Schedule – VI of Environment Protection Rules 1986 as amended or as may be prescribed by the Board.</p>	Being complied.
2.	Pollution Control Devices provided by the unit shall be operated and maintained to achieve the norms as prescribed in Environment (Protection) Act, 1986 as amended from time to time.	Being complied.
3.	The State Board reserves the right to revoke/review and alter the conditions of consent as the case may be.	Noted.
4.	Unit shall not undertake any expansion activity / or additional product in the existing unit without obtaining consent from State Board.	Noted.
5.	The project proponent shall be liable to clear any past/current liability on account of difference consent fees f detected at any subsequent stage.	Noted.
6.	The emission / effluent shall be got sampled and tested by the unit as well as concerned Regional Officer as prescribed and further renewal shall be dependent up on the results of samples so collected and tested.	Noted
7.	Unit shall have to apply for RCTO for further period with requisite fees in the concerned Regional Office within a month before expiry of consent.	Noted.
8.	This consent is subject to EC granted to	Noted.

**Compliance of Renewal of Consent conditions imposed by HPSPCB Kashlog Limestone Mines – 7.6**  
**MTPA - No HPSPCB/PCBID-10920/16427-29 dated 17/09/2018**

	the project by MoEF & CC, Govt. of India vide letter dated 8-09-2015.	
9.	Unit shall strictly adhere to the capacity as approved by the industries department and RO to ensure the same. This consent is subject to ratification of the State Board or any litigation pending at any court of Law.	Noted.
10.	The permission included 3 nos. of Stone crushers with capacities @100X2 TPH and 1200 TPH.	Noted.
11.	This consent is subject to approval of modified mining plan by IBM vide letter dated 21/11/2016. The mining shall be strictly carried out as per the approved mining plan.	Mining is being carried out as per approved mining plan.
12.	Unit shall ensure that regular water sprinkling shall be done by the unit to control dust emission and shall conform to the norms as prescribed under EP (Act), 1986 and rules there under.	Water sprinkling is being carried out on haul roads and wherever necessary to control the fugitive dust emission.
13.	Unit shall plant and raise identified species of Pollution Abating Plants in the vicinity of the stone crusher at least in 3 layers in order to control air and noise pollution. The list of identified plants is available in the State Boards website - <a href="http://hppcb.nic.in/plantationguide.pdf">http://hppcb.nic.in/plantationguide.pdf</a> .	The plantation will be raised in the upcoming monsoon.