ASHAPURA
MINECHEM LIMITED

To,

Nov 28, 2016

Additional Principal Chief Conservator of Forests
Ministry of Environment, Forests & Climate Change
Regional Office (WCZ),
New Secretariat Building,
Civil Lines,
Nagpur-440 001

Sub: Submission of Six monthly compliance reports for the period April 2016 – September 2016 w.r.t Umbershet Bauxite Mine of M/s. Ashapura Minechem Limited, at Village- Umbershet, Taluk -Dapoli, District- Ratnagiri, Maharashtra reg.

Ref: Environmental Clearance granted by MoEF vide letter No-J-11015/418/ 2013-IA.II [M] Dated 24.02.2016.

Respected Sir,

With reference to the above cited subject, please find enclosed herewith six monthly compliance reports on environmental clearance conditions for the period April 2016-September 2016, stipulated for Umbershet Bauxite Mine of Ashapura Minechem Ltd, at Village Umbershet, Taluka Dapoli, Dist. Ratnagiri, Maharashtra.

We hope the above information will fulfill your requirement.

Thanking You,
For Ashapura Minechem Limited

Rishnal-
Authorized Signatory

C.C: The Sub Regional Officer, Maharashtra Pollution Control Board, Chiplun, Dist. Ratnagiri, Maharashtra.

Regd. Office :
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CIN No. L14108MH1982PLC026396

2016-2017

ENVIRONMENTAL COMPLIANCE STATEMENT

FOR THE PERIOD
APRIL 2016 TO SEPTEMBER 2016

Environmental Compliance Statement for submission to Ministry of Environment, Forests & Climate Change as a part of Environmental Clearance issued by MoEFCC vide No J-11015/418/2013-IA.II [M] for Expansion of Umbershet Bauxite Mine, ML Area 99.8619 ha from 2.26 LTPA to 5.0 LTPA at Village Umbershet, Dapoli Taluka, Ratnagiri District, Maharashtra.

BY

ASHAPURA MINECHEM LTD
Jeevan Udyog Building,3rd Floor,278,D.N.Road,Fort,Mumbai-400 001

SUBMITTED TO

MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE

REGIONAL OFFICE (WESTERN REGION)

NEW SECRETARIAT BUILDING

NAGPUR

SIX MONTHLY COMPLIANCE REPORT ON ENVIRONMNETAL CLEARANCE CONDITIONS FOR THE PERIOD APRIL 2016 TO SEPTEMBER 2016

Name of the Project: Umbershet Bauxite Mine of M/s Ashapura Minechem Limited, Village-Umbershet, Taluka-Dapoli, Dist.- Ratnagiri, Maharashtra State.

Reference: Environmental Clearance issued by MoEFCC vide letter No-J-11015/418/ 2013-IA.II [M] Dated 24.02.2016.

A. Specific Conditions

Sl. No	Condition	Compliance status
(i)	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Maharashtra and any other Court of Law, if any, as may be applicable to this project.	Will be complied.
(ii)	Environmental clearance is subject to obtaining clearance, if any, under the Wildlife (Protection) Act, 1972 from the Competent Authority, as may be applicable to this project.	Clearance under Wildlife (Protection) Act, 1972 is not applicable as there are no wildlife sanctuaries, National Parks, Biosphere reserves, wildlife corridors within 10 km radius of the project boundary.
(iii)	No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.	Forest clearance is not applicable as the entire lease area is Non-forest private patta land. Also, as per the records of revenue department in 7/12, the survey numbers under which lease falls is non forest land.
(iv)	The project proponent shall obtain Consent to Operate from the State Pollution Control Board, Maharashtra and effectively implement all the conditions stipulated therein.	Consent to Operate from Maharashtra Pollution Control Board has been obtained vide their letter having reference No. MPCB/ROK/SROC/194/03450/14 dated 09.04.2014 for production capacity of 2.26 LTPA. Consent to Operate for enhanced capacity i.e. 2.26 LTPA to 5.0 LTPA has also been obtained from MPCB vide Consent No. BO/JD(APC)/uan No. KP-/O/CC/10274 dated 21.10.2016.
(v)	A study from an Institution of Repute may be conducted on the impact of Bauxite dust on Crop Productivity in agricultural land located around mines and mitigation measures to be implemented by PP to reduce the impact.	We have approached National Environmental Engineering Research Institute (NEERI) for the said study and are in the phase of finalizing the scope of study, technical details and financials for the study.
(vi)	Recommendation by the Institute, for crops most suited in this environment and training to the farmers to switch over to new cropping system which will sustain nutrient loading.	Will be complied.
(vii)	Proponent shall carry out occupational Health	Initial medical examination and periodic medical

Sl. No	Condition	Compliance status
	surveillance for workers engaged in the project and records maintained and necessary remedial / preventive measures to be taken accordingly. Implementation of the recommendations of National Institute for ensuring good occupational environment for mine workers.	examination of workers is being undertaken on regular basis from authorized medical officer and records are maintained.
(viii)	Use of mechanical devices for excavating the ore and reducing use of explosives.	HEMM is being used for excavating the ore. Drilling and blasting is being done to loosen the ore strata only. In order to minimize blasting, ripper dozer is also being practiced.
(ix)	Concurrent reclamation of mined out areas shall be done.	The reclamation of exhausted pits is being carried out as per Environmental Management Plan. In the year 2016-2017, 1.65 Ha of the area has been reclaimed and 1486 nos. of native plant species of fruit bearing seedlings like Mango, Cashew & Suru have been planted. Aftercare of the plantation is being taken until it's self-sustainable.
(x)	Use of effective sprinkler system to suppress fugitive dust on haul roads and other transfer points and undertaking comprehensive study in a year's time for slope stabilization of mine benches and OB dumps.	In order to control the fugitive dust emission during mining operations, following arrangements has been provided: 1. Constructed ~150 m of black topped metalled road near weigh bridge, 2. Permanent water sprinkling system on main haul roads, 3. Constructed metalled road from mobile crusher unit to stack, 4. Water Sprinkling on haul road inside the lease and outside over the transport road by means of mobile water tankers, 5. Water sprinkling arrangements at the mobile crusher unit, Please refer **Annexure 1** for the EMPs carried out for Air Pollution Control. As per the geological profile of the lease area (provided in IBM approved Mining Scheme), strata of the area is hard and compact in nature. Also the mining will be carried out by Open Cast Mining Method with single bench with a maximum working depth of around 5.5 m. Thus in this case, slope stabilization of mine bench is not required. Also as mentioned in IBM approved Modified Mining Plan, there is no Overburden (OB) present in the area, thus, no slope stabilization of OB Dumps is required.
(xi)	Implementation of action plan on the issues raised during Public Hearing. The proponent shall complete all the tasks as per the action	The issues raised during public hearing are being implemented in line with the submitted action plan. The proponent has committed to do CSR in

Sl. No	Condition	Compliance status
	plan submitted with the budgetary provisions during the Public Hearing.	the Public Hearing. Since Apr 16 – Sep 16. Rs. 1,73,453/- has been spent under CSR.
(xii)	The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. Prior approval of the Ministry of Environment & Forests and Central Ground Water Authority shall be obtained for mining below water table.	We are in the process of obtaining Ground Water Clearance from Central Ground Water Authority.
(xiii)	The project proponent shall ensure that no natural watercourse shall be obstructed due to any mining operations.	Is complied. No natural watercourse is obstructed due to any mining operations.
(xiv)	Top soil should be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	The entire mine lease area is having lateritic capping hence top soil generation is negligible & whenever encountered is being used for reclaiming the mining pit.
(xv)	The entire waste generated shall be backfilled and there shall be no external over burden dump left at the end of the mine life. The entire backfilled area shall be reclaimed by plantation. The backfilling should be carried out in such a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Nagpur on six monthly basis.	There is no generation of over burden in the lease area however small quantity of intercalated waste is generated. In the year 2016-2017, 1.65 Ha of the area has been reclaimed and 1486 nos. of native plant species of fruit bearing seedlings like Mango, Cashew & Suru have been planted. Monitoring and management of rehabilitated area shall continue until the vegetation becomes self-sustaining.
(xvi)	Catch drains and siltation ponds of appropriate size should be constructed for the working pit, temporary OB dumps, if any and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine areas, roads, greenbelt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.	During pre-monsoon preparatory work, temporary catch drains / trenches are constructed around the working pits, mineral stacks and waste dumps to channelize the rain water towards mined out pits / rain water harvesting pits. Size, length and gradient of these drains depends upon the slope and distance from the pit. This water gets collected into the pits where it is allowed for sedimentation under gravity. Siltation ponds are also provided in the direction of overflow of these pits in order to arrest the silt flowing with the overflow, if any. Please refer **Annexure 2** for the photographs showing the Environment Management Practices (EMPs) carried out for water conservation.
(xvii)	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit	Temporary garland drains are constructed around the working pits, mineral stacks and waste dumps

Sl. No	Condition	Compliance status
	and temporary 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.	to channelize the rain water towards mined out pits / rain water harvesting pits. Size, length and gradient of these drains depends upon the slope and distance from the pit.
(xviii)	Dimensions of the retaining wall at the toe of temporary dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.	Retaining wall has been constructed at mining lease. The total length of retaining wall is 93 m.
(xix)	Plantation shall be raised in the specific area including a 7.5 m wide green belt in the safety zone around the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.	Every year during the monsoon season, plantation is being carried out over backfilled area, boundary of haul roads and also along lease boundary where ever is possible. Saplings of cashew and mango are being planted after consultation with scientist from Konkan Krishi Vidyapeth, Dapoli and also taking the consideration of local villagers. Other saplings like Amla, Kokam, Jamun, Jack Fruit are also being planted. Also after discussion with experts, for better growth of saplings, plantation is being carried out in 4m x 4m area per sapling. In the year 2016-2017, 1.65 Ha of the area has been reclaimed and 1486 nos. of native plant species of fruit bearing seedlings like Mango, Cashew & Suru have been planted. Please refer **Annexure 3** for Plantation Photographs.
(xx)	Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	In order to control the fugitive dust emission during mining operations, following arrangements has been provided: 1. Constructed ~150 m of black topped metalled road near weigh bridge, 2. Permanent water sprinkling system on main haul roads, 3. Constructed metalled road from mobile crusher unit to stack, 4. Water Sprinkling on haul road inside the lease and outside over the transport road by means of mobile water tankers, 5. Water sprinkling arrangements at the mobile crusher unit, Please refer **Annexure 1** for the EMPs carried out for Air Pollution Control.

Sl. No	Condition	Compliance status
		Monthly ambient air monitoring is being done by MoEFCC approved lab and AAQ parameters are within the permissible limits as specified by CPCB. Please refer **Annexure 4** for Ambient Air monitoring results.
(xxi)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board	For recharging groundwater rain water is channelized into the mined out pits by the means of drains/ trenches. Dimensions of rain water harvesting pit = 100m x 60m x 5.5m.
(xxi1)	Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year i.e. January, April-May, August, November and the data thus collected may be sent regularly to Ministry of Environment and Forests, its Regional Office, Nagpur; Central Ground Water Authority and Central Ground Water Board.	Regular monitoring of water quality in and around the mining lease is being carried out by MoEFCC approved laboratory. A comprehensive hydrogeological study is also carried out for the entire area by CGWB. Central ground water Board (CGWB) and Ground water survey and Development Agency (GSDA) has carried out water exploration in district. The report of study carried by CGWB is available at http://cgwb.gov.in/district_profile/maharashtra/ratnagiri.pdf
(xxiii)	Vehicular emissions should be kept under control and regularly monitored. Measures 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.	Vehicles are maintained on regular basis to have emission under control. All the vehicles are made mandatory to carry PUC certificate. Transportation of ore is being done through tarpaulin covered trucks only. There will be no overloading of trucks. Weigh bridges are being maintained at the outlet of mine area.
(xxiv)	Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The Mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting is being done during day time only. Controlled blasting operations are carried out.
(xxv)	Drills shall either by operated with dust extractors or equipped with water injection system.	Drilling is being carried out using dust extractors along with wet drilling. To minimize blasting ripper-dozer is also used at mining site.
(xxvi)	A final mine closure plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Will be complied.
B: GENERAL CONDITIONS:		
(i)	No change in mining technology and scope of working shall be made without prior approval	There is no change in Mining technology.

	of Ministry of Environment and Forests.	
(ii)	No change in calendar plan including excavation, quantum of mineral and waste shall be made.	Only calendar year plan as per approved Mining Plan is being followed for excavation quantum of mineral and waste.
(iii)	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.	We are in the process of seeking NOC for abstraction of Ground Water from CGWA. We will submit the copy of NOC for ground water abstraction on receipt of same.
(iv)	Regular monitoring of ground water table to be carried out at the upstream and depth of water available in the dug well to be measured. Monitoring to be done by establishing a network of existing wells and constructing new piezometers.	Regular monitoring of water quality in and around the mining lease is being carried out by MoEFCC approved laboratory. A comprehensive hydrogeological study is also carried out for the entire area by CGWB. Central ground water Board (CGWB) and Ground water survey and Development Agency (GSDA) has carried out water exploration in district. The report of study carried by CGWB is available at http://cgwb.gov.in/district_profile/maharashtra/ratnagiri.pdf
(v)	Monitoring of ambient air quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places i.e. loading and unloading points & transfer point to reduce fugitive emissions.	Ambient air quality monitoring is done in accordance with the notification issued by Central Pollution Control Board in 2009. Water sprinkling is done regularly at loading and unloading points and transfer point to reduce fugitive emission.
(vi)	The upliftment of scheduled caste/ scheduled tribe population, specific programmes have been taken into consideration especially with respect to education, health care, livelihood generation, infrastructure development and promotion of sports & culture for SC/ST population and that these will be intensified in future.	Due to mining activities, employment for the locals (as per their abilities) has been generated in the area. In-directly, in terms of small business opportunities like, garages for vehicles and equipment maintenance, spare parts shops, hardware shops, food stalls, local dabhas, local conveyance, local grocery shops etc. has been increased in the area. Also, company has given contracts to local villagers for providing water sprinkling tankers for dust control. Because of these, there is an increase in the money flow in the locals which eventually strengthen the socio-economic conditions of the area including the SC/ST population. Villages in the area constitute committees like; • Navtarun Gramasth Mandal, Rowale, • Vidhyadhan Sikhsa Sanstha, Jawle, • Vanjloli Bodhjan Seva Sangh, • Shayadhari Sikhsa Sansthan, Mandiwali etc. With whom company is in regular discussion to

		carry out CSR activities depend on their needs. Activities like; • Distribution of free text books, guide books & provision of Digital Classroom in Primary Schools, • Free medical camp in study area, • Donation for Construction of Community centers, water pipeline, compound wall etc in the study area, • Donation for the promotion of sports activities. • Educational Aids to the schools, has been performed in the area on regular basis for the upliftment of society. Please refer **Annexure 5** for the photographic presentation of the CSR activities carried out in the area.
(vii)	Plantation shall be raised in a 7.5 m wide greenbelt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	Every year during the monsoon season, plantation is being carried out over backfilled area, boundary of haul roads and also along lease boundary where ever is possible. Saplings of cashew and mango are being planted after consultation with scientist from Konkan Krishi Vidyapeth, Dapoli and also taking the consideration of local villagers. Other saplings like Amla, Kokam, Jamun, Jack Fruit are also being planted. Also after discussion with experts, for better growth of saplings, plantation is being carried out in 4m x 4m area per sapling. In the year 2016-2017, 1.65 Ha of the area has been reclaimed and 1486 nos. of native plant species of fruit bearing seedlings like Mango, Cashew & Suru have been planted. Please refer **Annexure 3** for Plantation Photographs.
(viii)	Dimension of the retaining wall at the toe of over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.	Retaining wall has been constructed at mining lease. The total length of retaining wall is 93 m.
(ix)	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	In order to control the fugitive dust emission during mining operations, following arrangements has been provided: 1. Constructed ~150 m of black topped metalled road near weigh bridge, 2. Permanent water sprinkling system on main haul roads, 3. Constructed metalled road from mobile crusher unit to stack, 4. Water Sprinkling on haul road inside the lease and outside over the transport road by means

		of mobile water tankers, 5. Water sprinkling arrangements at the mobile crusher unit, Please refer **Annexure 1** for the EMPs carried out for Air Pollution Control. Monthly ambient air monitoring is being done by MoEFCC approved lab and AAQ parameters are within the permissible limits as specified by CPCB. Please refer **Annexure 4** for Ambient Air monitoring results.
(x)	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forest & Climate Change, its Regional Office, Nagpur, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	No springs and perennial nallahs are flowing in and around the lease area. Regular monitoring of water quality and level is being carried out by MoEFCC approved lab and the report of the same is submitted to MoEFCC, Regional Office and MPCB, Chiplun on regular basis.
(xi)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year – Pre Monsoon (April – May), Monsoon (August), post – monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest & Climate Change and its regional office, Nagpur, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Regular monitoring of water quality and level is being carried out. A comprehensive hydrogeological study is also carried out for the entire area by CGWB. Central ground water (CGWB) has carried out water exploration in district based on GEC-97 methodology. The report of study carried by CGWB is available at http://cgwb.gov.in/district_profile/maharashtra/ratnagiri.pdf
(xii)	The critical parameters such as PM_{10} (size less than 10 micro meter), $PM_{2.5}$(size less than 2.5 micro meter), NO_X in the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [TDS, DO, PH and total suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in	Regular monitoring of PM_{10}, $PM_{2.5}$, SO_X and NO_X is carried out regularly with MoEFCC approved laboratory and the report of same is submitted to MoEFCC, Regional Office and MPCB regularly. No discharge of water takes places from mining lease. The monitored data is uploaded on company's website.

	public domain. The circular No, J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment, Forests & Climate Change, which is available on the website of the Ministry www.emvfor.nic.in shall also be referred in this regard for its compliance.	
(xiii)	Four ambient air quality- monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO_2, NO_x 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 undertaken in consultation with the State Pollution Control Board. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Nagpur and the State Pollution Control Board/ Central Pollution Control Board once in six months.	Four manual ambient air quality monitoring stations are being placed in core as well as in buffer zone for monitoring. Locations: a. Near Mining Pit, b. Near Mobile Crusher Unit, c. On Haul Road, d. In Respective Village Results of these are being submitted to the MPCB, Chiplun office on regular basis
(xiv)	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	In order to control the fugitive dust emission during mining operations, following arrangements has been provided: 1. Constructed ~150 m of black topped metalled road near weigh bridge, 2. Permanent water sprinkling system on main haul roads, 3. Constructed metalled road from mobile crusher unit to stack, 4. Water Sprinkling on haul road inside the lease and outside over the transport road by means of mobile water tankers, 5. Water sprinkling arrangements at the mobile crusher unit, Please refer **Annexure 1** for the EMPs carried out for Air Pollution Control.
(xv)	Measures shall be taken for control of noise level below 85 dB (A) in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs.	Adequate measures are taken to minimize the noise level by doing regular maintenance of all machineries. Workers engaged in operation of HEMM are provided with Ear Muffs.
(xvi)	Industrial Waste water (workshop & waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. Oil and Grease trap shall be installed before discharge of workshop effluents.	We have not established any workshop within the mining lease. Maintenance of all the vehicles and machineries are done at nearby town Dapoli in private garages. Waste water from the mine is not discharged into surface water and diverted to settling pond.

<table>
<tr><td>(xvii)</td><td>Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.</td><td>Personnel working in dusty areas are provided with respiratory devices like masks and goggles. The information and training is provided to all on use of these devices.</td></tr>
<tr><td>(xviii)</td><td>Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</td><td>Initial medical examination and periodic medical examination of workers is being undertaken on regular basis from authorized medical officer and records are maintained.</td></tr>
<tr><td>(xix)</td><td>A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the Organization.</td><td>A separate Environmental Management cell is opened. AGM - Environment is appointed and he is directly reporting to the head of the organization.</td></tr>
<tr><td>(xx)</td><td>The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the ministry and its Regional Office located at Nagpur.</td><td>The funds earmarked for Environmental protection work is kept separately. The expenditure occurred for above said job during last six month is Rs. 8,02,315 /-<table><tr><th>Particular of the job</th><th>Recurring Cost. (Rs.)</th></tr><tr><td>Afforestation & Aftercare</td><td>64,660</td></tr><tr><td>Environmental Monitoring</td><td>1,50,000</td></tr><tr><td>Water Sprinkling (Dust suppression)</td><td>3,04,910</td></tr><tr><td>Garland drains/ settling pond</td><td>98,195</td></tr><tr><td>Others (Road maintenance)</td><td>1,84,550</td></tr><tr><td>TOTAL</td><td>8,02,315</td></tr></table></td></tr>
<tr><td>(xxi)</td><td>The project authorities should inform to the Regional office located at Nagpur regarding date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.</td><td>We are using our own resources and this clause is not applicable.</td></tr>
<tr><td>(xxii)</td><td>The Regional office of this Ministry located at Nagpur shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer (s) of the Regional office by furnishing the requisite data / information / monitoring reports.</td><td>The project authorities will extend co-operation to any of the concerned officer by furnishing the requisite data.</td></tr>
<tr><td>(xxiii)</td><td>The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its regional Office, Nagpur, Central Pollution Control Board and State Pollution Control Board.</td><td>Six monthly report on the status on the implementation of the stipulated environmental safeguards is submitted to MoEFCC, Regional Office and MPCB, Chiplun on regular basis.</td></tr>
<tr><td>(xxiv)</td><td>The project proponent shall submit six monthly report on the status of the implementation of</td><td>Six monthly report on the status on the implementation of the stipulated environmental</td></tr>
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	the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Nagpur, Central Pollution Control Board and State Pollution Control Board.	safeguards is submitted to MoEFCC, Regional Office and MPCB, Chiplun on regular basis.
(xxv)	A copy of Clearance letter will be marked to concern Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied.
(xxvi)	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District industry Centre and collector's office / Tehsildars office for 30 days.	Not Applicable
(xxvii)	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall 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 and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http:// envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry located at Nagpur.	Complied.

Date: 28.11.2016 **For Ashapura Minechem Limited**

Bishnat

Place:Mumbai **Authorized Signatory**

Annexure 1: Air Pollution Control Measures taken at site

Mobile Water Tanker in Umbershet Mines

Water Sprinkler Arrangement at Umbershet Mines

Sprinkling System at Mobile Crusher Unit

Provision of Tar Road near Weigh Bridge

Metalled Road from Mobile Crusher unit to Stock

Transportation by tarpaulin covered trucks

Air Quality Monitoring in Umbershet Mines

Annexure 2: Environment Management Practices for Water Conservation

Bunds around the stock within lease area

Drains to collect and channelize the rain water

Siltation Pond with retention wall

Water after de-siltation coming from retention wall

Rain water Harvesting Pond in lease area

Annexure 3: Plantation at Site

Plantation carried out in backfilled area within lease

Greenbelt along the boundary

Annexure-4: Ambient Air quality Monitoring Results 2016- 2017

S.No.	Locations	April 2016				May 2016				June 2016				July 2016				August 2016			
		Parameters ($\mu g/m^3$)				Parameters (µg/m3)				Parameters (µg/m3)				Parameters (µg/m3)				Parameters (µg/m3)			
		PM_{10}	$PM_{2.5}$	SO_X	NO_X	PM_{10}	$PM_{2.5}$	SO_X	NO_X	PM_{10}	$PM_{2.5}$	SO_X	NO_X	PM_{10}	$PM_{2.5}$	SO_X	NO_X	PM_{10}	$PM_{2.5}$	SO_X	NO_X
1.	Crushing Plant	77.77	39.81	34.20	8.53	80.42	49.61	39.17	6.92	45.66	32.13	17.80	7.59	43.79	28.84	14.24	7.71	49.27	23.89	18.50	6.70
2.	Haulage Road	79.74	37.02	29.66	11.97	78.67	41.48	37.12	15.88	47.72	25.00	16.86	9.23	46.97	26.29	17.00	7.71	50.39	25.81	16.74	6.88
3.	Mining Pit	78.71	37.86	27.95	8.19	78.04	39.03	37.23	11.11	45.64	34.15	16.86	7.46	46.12	32.87	16.92	7.97	39.95	26.23	20.28	7.19
4.	Kavdoli Village	78.07	42.45	36.63	9.69	77.13	40.63	34.24	13.75	63.02	40.59	18.07	7.80	59.89	43.11	18.16	8.27	53.77	36.56	16.60	8.51
5.	Rowale Village	81.85	41.46	20.42	11.37	79.38	36.77	19.98	9.41	51.62	25.44	18.33	9.68	48.84	30.36	17.85	8.28	49.15	27.43	17.42	10.34
6.	Umbershet Village	79.30	40.58	29.63	11.97	81.11	40.00	24.44	9.70	50.67	24.81	17.97	8.52	47.10	25.38	19.14	7.03	49.03	23.21	16.68	7.29
7.	Dust Fall – Mine Lease	80.20	40.24	-		79.99	39.44	-		43.25	24.38	-		45.61	25.78	-		42.96	25.99	-	

Permissible limits as per NAAQS Standards

PM_{10} 100 $\mu g/m^3$

$PM_{2.5}$ 60 $\mu g/m^3$

SO_X 80 $\mu g/m^3$

NO_X 80 $\mu g/m^3$

Annexure 5: Corporate Social Responsibility

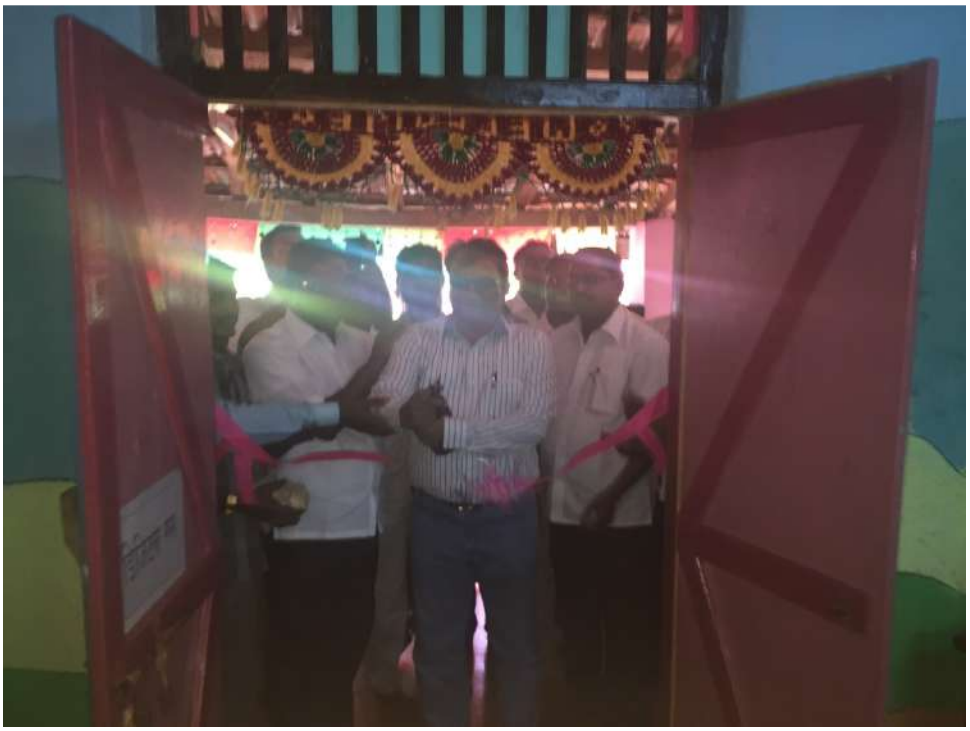
Cleaning of Kelshi Beach


मे. आशापुरा माईनकेम लि. दापोली
आयोजित
मोफत आरोग्य शिबिर
रविवार दि. २० मार्च २०१६, सकाळी ८.०० ते सायं. ५.०० वा.
ठिकाण
जि. प., केंद्रिय प्राथमिक शाळा, मुलांची, केळशी.(महालक्ष्मी मंदिरा जवळ), केळशी.
शिबिर मधील सुविधा
हृदय रोग
मेंदुविकार
त्वचाविकार
मधुमेह
संधिवात
स्त्रिरोग निदान
रक्तदाब तपासणी
अस्थिरोग
बाल रोग निदान
ईसीजी
तपासणी व औषधोपचार
संपर्क :- ९५२७७९७८६८, ९६०४००२६४५.


मेह
तदाब तपासणी
मेंदुविकार
संधिवात
अस्थिरोग
ईसीजी

Donation for Floor Construction, Rowlae

Donation for Construction of Community Center, Ilne Village



Opening of Digital School in Ambavali, Jawle

Donation for the construciton of School Veranda, Rowale Village

Donation of Syska LED Street Lights, Kelshi VIllage

Donation for the Construction of Water Pipeline, Sakhari-Khari Village

Donation for Construction of School Building, Mandiwali