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KC/MoEF/11-2021/1

KESORAM
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1st Nov, 2021

TO,
Dr.M.Thalamadal karupplah,
Scientist,
MOEF and CC,
Regional office-South eastern zone
1st & 2nd floor, HEPC Building,
No.34, Cathedral Garden road,
Nungambakkam,
Chennai-600034.

Dear Sir,

Sub: - Submission of Environmental clearance compliance reports of M/s.Kesoram cement Factory and Lime stone Mines -Reg

Ref: 1. Ec Kesoram cement Factory: J-11011/55/2006-IA II (I).
2. EC Basantnagar Mines: J-11015/142/2006-IA II (M)
3. EC Takkalapalli Mines: J-11015/143/2006-IA-II (M)

In answer to the subject we are enclosing herewith the following enclosures regarding Environmental clearance compliance reports of M/s. Kesoram cement Factory and Lime stone Mine for the period of April -2021 to Sep-2021.

- 1) Environmental Clearance compliance report of Kesoram cement Factory
- 2) Environmental Clearance compliance report of Basantnagar Limestone Mines
- 3) Environmental Clearance compliance report of Thakkallapalli Limestone Mines
- 4) Environment Monitoring reports Post summer -2021 and Monsoon-2021 seasons

This is for your kind information please.
Thanking you,

Office of the *new*
Environmental Engineer
Telangana State Pollution Control Board
Regional Office, Ramagundam,
H. No. Special C-3, NTPC, TTS
Near Zilla Parishad High School
JYOTHINAGAR - 505 215
Dist. Peddapalli (T.S.)

Encl: E/a.

Yours faithfully
For Kesoram Cement
For Kesoram Industries Ltd

S. Govinda Rao
S. Govinda Rao
Factory Manager

→ Cc: 1. To Environmental Engineer
T.S. Pollution Control Board,
Regional Office - Ramagundam

2. CPCB Regional Directorate (South)
Nisarga Bhawan, A-Block
1st and 2nd Floor, Thimmaiah Road
7th D-Main, shivnagar, Bengaluru-560079

Cement Division Unit of Kesoram Industries Limited

Unit : Basantnagar, Works : Post Basantnagar - 505 187,
Dist : Peddapalli, Telangana

P+91 8728 228121/129/152
F+91 8728 228160

**KESORAM CEMENT FACTORY
BASANTNAGAR**

ENVIRONMENT CLEARANCE CONDITION WISE COMPLIANCE STATUS
F.No. J – 11011/55/2006 – IA II (I) dated: 25th July 2007

Sl. No	A. Specific Conditions	Compliance status
i.	The gaseous and particulate matter emission from various units shall confirm to the standards prescribed by the T.S. Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed TSPCB limit. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.	Complied. The particulate emissions from the cement plant are within the limits of State Pollution Control Board and inter locking facility provided in the equipment.
ii.	Continuous monitoring system to monitor gaseous emissions shall be provided and air emissions from cement plant and captive power plant shall be controlled within 50 and 100 mg/Nm ³ respectively by installing adequate air pollution control system (ESPs, bag house, bag filters and dust collectors etc.). On - line monitoring data shall be submitted to the TSPCB and CPCB regularly.	Continuous Online monitoring systems Installed to Nine main Stacks and two AAQMS and the generated data connected to PCB websites.
iii.	One ambient air quality monitoring station shall be installed in downwind direction. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the state authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB and report submitted to the TSPCB quarterly and to the Ministry's Regional office at Bangalore half yearly.	Complied. One Ambient Air Quality monitoring station installed at Cement Plant. Ambient air qualities including ambient noise level are maintained within the standards.
iv.	Secondary fugitive emissions shall be controlled within the permissible limits as per the latest CPCB guidelines. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking) coal mills, cement mills, crushers, bagging vehicular movement and packing areas etc. Asphaltting/ concreting of roads and water spray all around the coal stock piles, loading / unloading areas and bag filters at transfer points shall be done to control fugitive emissions. Storage of raw materials shall be in closed roof sheds. A closed clinker stockpile system shall be provided.	Complied. 1. We have installed total 51 No's of dust collectors in the Plant. 2. The internal roads of the plant have been concreted. 3. Continuous water spray in various locations of the plant to control fugitive emissions. 4. Raw material is stored in closed roof sheds.
v.	Total water requirement from the ground water source and water from the mine pit shall not exceed 4,050m ³ /day and prior permission shall be obtained. All the treated waste water shall be recycled and reused in the process and/or for dust suppression, green belt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Treated domestic effluent shall be used for green belt development within the plant and colony area.	Total water requirement in the plant usage are well within the prescribed limit. Process waste water is recycled and zero discharge is adopted. Treated domestic effluent at STP is used for green belt development in the colony area.
vi.	All the recommendations mentioned in the ground water survey report of water works department, Govt. of A.P shall be ensured.	All the recommendations are complied as mentioned in the water works dept.

vii.	All the cement dust collected from pollution control devices shall be recycled and reused in the process. Efforts shall be made to use more fly Ash and solid waste in the cement manufacturing. Refractory bricks shall be sold to authorized agencies. Used oil shall be sold to authorized recyclers/ reprocessors only.	Dust collected from pollution control devices is recycled and reused in the process. Fly ash from the nearby power plant is utilized in the cement manufacturing. Refractory bricks are sold to authorize agencies only. Used oil is sold to authorized recyclers / reprocessors only.
viii.	Efforts shall be made to use high calorific hazardous waste in the cement kiln. Accordingly, provision shall be made in the kiln.	At present we are not using any hazardous waste in the cement kiln.
ix.	As proposed in EIA / EMP, green belt shall be developed in at least 60 ha (50 %), out of total 122.5 ha area as per CPCB guidelines in consultation with local DFO.	Noted and being maintained.
x.	The company must harvest the rain water from the rooftops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	We have provided rain water harvesting in the colony & Mines.
xi.	The company shall undertake eco- development measures including community welfare measures in the project area.	Noted and being maintained.
xii.	All recommendations made in the corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.	Noted.
Sl. No	B. General Conditions	Compliance status
i.	The project authority must adhere to the stipulations made by the T.S. Pollution Control Board (TSPCB) and State Government.	CFE- APPCB/HYD/RGM/10/CFE/HO/2 007 – 1244, dtd: 05.09.2007, CFO .NO.17082503275. Valid up to 31.12.2021.
ii.	No further expansion or modification of the plant shall be carried out without prior approve of this ministry	Noted and Strictly followed
iii.	At least four ambient air quality monitoring stations shall be established and one in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the TSPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional office at Bangalore and APPCB once in six months.	Environmental monitoring is being done by third party M/s.B.S.Envi Tech (P) Ltd. and the reports are submitted to TSPCB and CPCB as per the stipulated timelines.
iv.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	The condition is not applicable because there is no effluent is produced.
v.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods. Silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz.75 dBA (day time) and 70 dBA(night time).	Noise levels are being monitored in house monthly. And the records are maintained.
vi.	Proper housekeeping and adequate occupational health programmes must be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months.	Two TPS machine is operated for road sweeping in plant. Apart from this manually operated floor sweeping machines are in operation for good housekeeping. The Occupational Health Centre is

		equipped with clinical laboratory; spirometer, audiometer, eye testing equipment, and various health checkup will be conducted to the employees.
vii.	The Project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	Complied
viii.	A Separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Separate environment cell has been constituted and it's functioning under plant head.
ix.	As mentioned in the EIA/EMP, Rs. 2.00 Crore and Rs. 0.19 Crores earmarked towards the total cost and recurring cost/annum for implementing environmental pollution control measures shall be judiciously used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purposes.	Complied
x.	The Regional office of this Ministry at Bangalore/Central Pollution Control Board/T.S.Pollution Control Board shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly.	Six months compliance report and the monitoring data are submitted to the board regularly.
xi.	The Project Authorities should inform the Regional Office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted
xii.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the T.S. Pollution Control Board/Committee and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in this shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office.	1. Deccan Chronicle in English dated - 02.08.2007 1. Eenadu in Telugu dated 02.08.2007

KESORAM CEMENT: BASANTNAGAR

BASANTNAGAR LIME STONE MINES MoEF CONDITION WISE COMPLIANCE

Point wise compliance report to Ministry of Environment, Forest and climate change												
MOEF consent No:J-11015/142/2006-Ia.II(M), Dated February 19, 2007												
SL.No	Conditions			Status of compliance								
A. Specific conditions												
(i)	Top soil Shall be stacked properly with proper slope with adequate safe guards and shall be backfilled for reclamation and rehabilitation of mined out areas.			Top Soil, stacked at stock yard, this will be utilized for Green Belt Development all around mine area and spreading over the dumps and Reclaimed and Rehabilitated area for development of Green belt.								
(ii)	Overburden shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum of the dump shall not exceed 30m, each stage shall preferably be of 10m and overall slope of the dump shall not exceed 28°. The mine pit area shall reclaimed by backfilling the OB in Phased manner. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance shall be submitted to the Ministry of environment & Forest on six monthly basis.			Noted & is being maintained.								
(iii)	Garland drains shall be constructed to arrest silt and sediment flows from soil and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, greenbelt development etc. The drains shall be regularly desilted Particularly after monsoon and maintained properly. Garland drain(size, gradient and length) shall be constructed for both mine pit and for waste dump and sump capacity shall 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 shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.			Noted & is being followed.								
(iv)	Drilling and blasting shall be using dust extractors/wet drilling.			We are being adopted by wet drilling and using safe blasting techniques.								
(v)	Plantation shall be raised in an area of 157.90 ha including greenbelt of adequate width by planting the native species around the ML area, roads, OB dump sites etc., in consultation with local DFO/ Agriculture Department. The density of the trees shall be around 2000 plants per ha.			Plantation details in No. of Species: <table border="1" data-bbox="938 1977 1445 2125"> <thead> <tr> <th>period</th> <th>Within ML area</th> <th>Outside ML Area</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	period	Within ML area	Outside ML Area	Total				
period	Within ML area	Outside ML Area	Total									

		<table border="1"> <tbody> <tr> <td>2013-14</td> <td>5500</td> <td>500</td> <td>6000</td> </tr> <tr> <td>2014-15</td> <td>3500</td> <td>1000</td> <td>4500</td> </tr> <tr> <td>2015-16</td> <td>3500</td> <td>1000</td> <td>4500</td> </tr> <tr> <td>2016-17</td> <td>15000</td> <td>7000</td> <td>22000</td> </tr> <tr> <td>2017-18</td> <td>2000</td> <td>5400</td> <td>7400</td> </tr> <tr> <td>2018-19</td> <td>3000</td> <td>8500</td> <td>11500</td> </tr> <tr> <td>2019-20</td> <td>1400</td> <td>2000</td> <td>3400</td> </tr> <tr> <td>2020-21</td> <td>0</td> <td>10000</td> <td>10000</td> </tr> </tbody> </table> <p>A. Area covered under plantation within ML area: a) Back filling : 16.93 Ha b) Green belt : 53.10 " TOTAL : 70.03 Ha.</p> <p>B. Area covered under plantation Outside ML area: 1.0 ha. Total Plantation area (A+B): 71.03 ha</p>	2013-14	5500	500	6000	2014-15	3500	1000	4500	2015-16	3500	1000	4500	2016-17	15000	7000	22000	2017-18	2000	5400	7400	2018-19	3000	8500	11500	2019-20	1400	2000	3400	2020-21	0	10000	10000
2013-14	5500	500	6000																															
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2020-21	0	10000	10000																															
(vi)	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the regional Director, Central Ground water board.	Noted.																																
(vii)	Regular Monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mine 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 MOEF, CENTRAL GROUND WATER authority and regional Director Central Ground Water Board.	Noted & is being monitored every season.																																
(viii)	Prior permission from the competent authority shall be obtained for drawl of ground water, if any	Noted.																																
(ix)	Vehicular emissions shall 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 shall be covered with a tarpaulin and shall not be over loaded.	Noted & is being maintained.																																
(x)	A Final mine Closure plan, along with details of corpus fund, shall be submitted to the ministry of Environment & forests 5 years in advance of final mine closure for approval.	Noted & will be submitted.																																
B.GENERAL CONDITIONS.																																		
i	No change in mining technology and scope of working shall be made without prior approval of the ministry of	Noted & followed as per the condition.																																

	Environment & forests.	
ii	No change in the calendar plan including excavation, quantum of mineral limestone and waste shall be made.	Noted & followed as per the condition.
iii	Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wild life department.	Noted & followed as per the condition.
iv	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 ,NOX Monitoring location of the stations should be decided based on the meteorological data, 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 monitoring stations are established in the buffer and Core zones, monitoring in every quarter.
v	Data on ambient air quality (RPM, SPM, SO ₂ , and NOX) should be regularly submitted to the Ministry including its regional office located at Bangalore and the State pollution control board /Central pollution control board once in six months.	Noted & followed as per the condition.
vi	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.	Fugitive dust emission from all the sources will be controlled by automatic water spraying regularly.
vii	Measures shall be taken for control of noise levels below 85 DbA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs/muffs.	Noted & maintained within the permissible limit, ear plugs and muffs provided to all the operators.
viii	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated as so to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time.oil and grease trap shall be installed before discharge of Workshop effluents.	Noted & Provided siltation tank, monitored quarterly and the results are found within limits.
ix	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.	Noted & is being provided adequate training and information on safety and health aspects at regular intervals.
x	Occupational health surveillance program of the workers shall be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Initial and Periodical Medical examinations will be conducted at regular interval.
xi	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.	Separate environment cell has been constituted and it's functioning under plant head.

xii	The project authorities shall inform to the Regional Office located at Bangalore 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 progressive mine closure plan pertaining Basantnagar Limestone Mine is approved from the Indian Bureau of Mines, Hyderabad vide letter no. AP/KRM/Lst-M.Sch-4/Hyd, Dated: 16.06.2021. We have submitted the bank guarantee for Rs. 8,15,98,000/- (Rupees Eight crores Fifteen lakhs ninty eight thousand Only) towards financial assurance of Progressive Mine Closure Plan in the name of Regional Controller of Mines, Indian Bureau of Mines, Hyderabad.
xiii	The funds earmarked for environmental protection measures shall be kept in separate account and should not be delivered for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bangalore.	Noted
xiv	The Project authorities shall inform to the Regional Office located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land developmental work.	Noted
xv	The Regional office of this Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the regional office by furnishing the requisite data/information/monitoring reports.	Noted & will be followed.
xvi	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.	Copy of clearance letter is submitted.
xvii	State Pollution Control Board should display a copy the clearance letter at the Regional office, District Industry Centre and collectors office/Tehsildar's office for 30 days.	We have submitted copy to Regional TSPCB office, Ramagundam.
xviii	The Project authorities should 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 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 Bangalore.	Environmental Clearance is published in Telugu and English News papers had been submitted.

**KESORAM CEMENT: BASANTNAGAR
TAKKALLAPALLI MINES MOEF CONDITION WISE COMPLIANCE**

Point wise compliance report to Ministry of Environment, Forest and climate change				
MOEF consent No:J-11015/143/2006-IA.II(M), Dated February 6, 2007				
Sl. No	Specific Conditions	Compliance status		
i.	Top soil if any should be stacked properly with proper slope at ear marked site (s) with adequate measures and should be used for reclamation and rehabilitation of mined out area.	Top soil will be stock yard, this will be utilized for Green belt development all around mine area and spreading over the dumps and Reclaimed and Rehabilitated area for development of Green belt.		
ii.	External OB dumps and other wastes should be stacked at earmarked sites only and should not be kept active for long period till its use for backfilling. Toe walls around the waste dumps shall be made to ensure and to prevent erosion and surface runoff. The total height of the dumps shall not exceed 30 m, each stage should preferably be of 10 m. Overall slope of the dump shall not exceed 28 deg, The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas use of geo textiles shall be undertaken for stabilization of the dumps. 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 on six monthly basis.	Noted & is being maintained		
iii.	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working. 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.	Noted & is being maintained		
iv.	Garland drain (size, gradient and length) shall be constructed for both mine pit 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 setting of site material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.	Noted & is being maintained		
v.	Plantation shall be raised in the area of 16.88 ha including a green belt of adequate width by planting the native species around ML area, roads and external OB dumps etc in consultation with the local DFO / Agriculture Department at the end of mine life. The density of the trees should be around 2500 plants per ha.	period	Within ML area	Total
		2015-16	800	800
		2016-17	5000	5000
		2017-18	2500	2500
		2018-19	1800	1800

		2019-20	4000	4000
		2020-21	0	0
vi.	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.	Noted		
vii.	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out two times in a year. Pre-monsoon (April – May) Post monsoon (November) and the data thus collected may be sent regularly to MoEF, Central Ground Water Authority and regional director Central Ground Water board.	Noted & is being monitored every season.		
viii.	Existing ecological status of the project area shall be conserved and protected. The project proponent should take all possible precautionary measures mining operation for conservation and protection of endangered fauna (Schedule – I), if any spotted in the project area. Action plans for the same shall be prepared with the consultation of DFO / wildlife department along with allocation of funds for this purpose and shall be submitted to RO of the Ministry at Bangalore.	Noted		
ix.	Permission from the competent authority should be obtained for drawal of ground water if any required for the project.	Noted		
x.	Suitable rain water harvesting measures on long – term basis shall be planned and implemented consultation with Regional Director. CGWB	Noted		
xi.	The working depth of the mines shall be restricted above the ground water table. Prior approval shall be obtained from MoEF, in case, working depth of mine intersect the ground water table.	Noted		
xii.	Vehicular emissions should be kept under control and regularly monitored. Measures shall be kept 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.	Noted & is being maintained		
xiii.	The voids created at the end of mining shall be converted into water body with shallow depths not exceeding 30m. The higher benches of the excavated void/mine pit shall be terraced and plantation done to stabiles the slopes Peripheral fencing shall be done along the excavated area.	Noted		
xiv.	At the end of the mine life the mined out area should be back filled to the extent possible, leveled and reclaimed by plantation.	Noted		
xv.	Dimension of the retaining wall at the toe of dumps and OB benches within the min to check run-off and siltation should be based on the rain fall data.	Noted & is being maintained		

xvi.	Consent to operate should be obtained from SPCB before standing production from the mine.	Noted & is being maintained.
xvii.	Sewage treatment plant should be installed for colony ETP should also be provided for workshop and mineral separation plant wastewater.	Noted & is being maintained
xviii.	A final Mine Closure plan along with details of Corpus fund should be submitted to the Ministry of Environment & Forest 5 years in advance of final mine closure for approval.	Noted & will be submitted
Sl. No	General Conditions	Compliance status
i.	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests	There is no change in mining method.
ii.	No change in the calendar plan including excavation, quantum of mineral and waste should be made	There is no change in quantum of excavation.
iii.	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.	Ambient air quality monitoring stations are established in the buffer and core zones, monitoring in every quarter.
iv.	Data on ambient air quality (RPM, SPM, SO ₂ , and NO _x) should be regularly submitted to the Ministry including its Regional office Bangalore and the state Pollution Control Board / Central Pollution Board once in six months.	Noted & is being followed as per the condition.
v.	Fugitive dust emission from all the sources should be controlled regularly. Water spray arrangement on haul roads, loading and at transfer points should be provided and properly maintained.	Fugitive dust emission from all the sources will be controlled by automatic water spraying regularly.
vi.	Measures should be taken for control of noise level below 85 dBA in the work environment workers engaged in operations of HEMM etc should be provided with earplugs / muffs.	Noted & is being maintained within the permissible limit, ear plugs and muffs provided to all the operators.
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 th May 1993 and 31 st December 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	Noted & provided siltation tank, monitored quarterly and the results are found within limits.
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 program of the workers should be undertaken periodically to observe any clarifications due to exposure to dust and take corrective measures, if needed	Noted & is being provided adequate training and information on safety and health aspects at regular intervals. Initial and Periodical Medical examinations will be conducted at regular interval.
ix.	A separate environment 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.	Separate environment cell has been constituted and it's functioning under plant head.
x.	The fund 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 Bangalore.	The management allocated funds for CSR activities, for which appointed one Rural development officer for nearby adopted villages.

xi.	The Regional office of this ministry located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should provide a set of filled in questioner EIA and EMP and extend full co- operation to the officer (s) of the Regional office by furnishing the requisite data/ information/ monitoring reports.	Noted & is being maintained.
xii.	The project authorities shall inform to the Regional office located at Bangalore regarding data of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	The progressive mine closure plan pertaining to Takkallapalli Limestone Mine is approved from the Indian Bureau of Mines, Hyderabad vide letter no. AP/KRM/Lst-4, Dated: 17.01.2019. We have submitted the bank guarantee for Rs. 84,21,000/- (Rupees Eighty four lakhs twenty one thousand Only) towards financial assurance of Progressive Mine Closure Plan in the name of Regional Controller of Mines, Indian Bureau of Mines, Hyderabad.
xiii.	A copy of clearance letter will be marked to concerned Panchayat/ local NGO, if any from whom and suggestion/ representation has been received while processing the proposal.	Copy of clearance letter is submitted.
xiv.	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry and Collector's office / Tehsildhar's office for 30 days.	Noted.
xv.	The project authorities should 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 letter is available with the State Pollution Control Board and may also be seen at web site of the Ministry of Environment and Forests at http://rnvfor.nic.in and a copy of the same should be forwarded to the Regional office of this Ministry located at Bangalore.	Environmental Clearance is published in Telugu and English News papers.

Expenditure for Environment protection: 2020-21

1. Stores and spares (Cement plant, Power plant and Mines)	39.91	Rs. Lakhs
2. Environment Monitoring / Survey studied (Cement plant, Power plant and Mines)	7.07	Rs. Lakhs
3. CSR Activities (Cement plant, Power plant and Mines)	76.61	Rs. Lakhs
4. Horticulture and greenbelt (Cement plant, Power plant and Mines)	55.70	Rs. Lakhs
5. Bag filter's Maintenance cost and other pollution prevention measures (Cement plant, Power plant and Mines)	125.64	Rs. Lakhs
Total expenditure for Environment protection for 2020-21	304.93	Rs. Lakhs