



SAGAR CEMENTS LIMITED

To,
The Member Secretary,
Andhra Pradesh Pollution Control Board,
Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada- 520007.

03.07.2025

Sub: Submission of Half yearly CFO Compliance Report for Gudipadu Limestone Mine of Sagar Cements Limited, Gudipadu for the period Jan 2025 to June 2025 – reg.

Ref: Consent Order No: 1307195/APPCB/KNL/ATP/CTO/HO/2022 dated 30.11.2022.

Dear Sir,

With reference to the cited above subject, we are herewith furnishing the compliance report to stipulated conditions of CFO for the period **Jan' 2025 to Jun' 2025** for Gudipadu Limestone Mine of Sagar Cements Limited, Gudipadu village of Andhra Pradesh.

This is for your kind information and office records please.

Thanking you

Yours faithfully,
For Sagar Cements Ltd

E. P. Ranga Reddy
Vice President

4 CC: To, The Regional Office, Ananthapuramu.



Registered Office : Plot No. 111, Road No.10, Jubilee Hills, Hyderabad - 500033, Telangana State, India.

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CIN : L26942TG1981PLC002887 GSTIN : 36AACCS8680H2ZY

Factories : Mattampally Village & Mandal, Suryapet District, Telangana State - 508204. Phone : 08683 - 247039 GSTIN : 36AACCS8680H1ZZ
Bayyavaram Village, Kasimkota Mandal, Anakapally District, Andhra Pradesh State - 531031. Phone : 08924-244550 Fax : 08924-244570 GSTIN : 37AACCS8680H1ZX
Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh State - 515408. Phone: 08558-200272 GSTIN : 37AACCS8680H1ZX
Kalinganagar, Industrial Complex, Tahsil-Dangadi, Dist - Jajpur, Odisha. Phone : 08340882288 CIN : U26922TS2010PTC171799 GSTIN : 21AACCS8680H1ZA

Condition wise Compliance Report for Jan'2025 to Jun'2025 for 1.50 MTPA Limestone production of Gudipadu Limestone mines of Sagar Cements Limited.

Consent Order No:1307195/APPCB/KNL/ATP/CTO/HO/2022 dated 30.11.2022

Schedule A		
S. No	Condition	Compliance
1	Any up-set condition in any industrial plant/activity of the industry, which result in, increased effluent / emission discharge and or violation of standards stipulated in this order shall be informed to this board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge/emission below the limits	They didn't face any up-set condition. If there any industry will intimate to the Board.
2	The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the board	At present in mines, there is no workshop hence the analysis of waste water is not required. The industry is monitoring emission from the crusher chimney and report will be submitted on quarterly basis.
3	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.	Noted. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4	The industry should put up two sign boards(6X4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO Order at a prominent place in the factory premises.	Complied, The industry maintaining the sign boards at near entrance of Minescrusher area indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibited the CFO Order. Display boards is enclosed in Annexure I
5	Notwithstanding anything contained in this order, the board hereby reserves the right and powers to review/revoke any and / or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the board.	Noted.
6	The industry shall ensure that there shall not be any change in the process technology,source & composition of raw materials and scope of working without prior approvalfrom the Board	Noted and being followed.
7	The applicant shall submit Environment Statement in Form-V before 30th September every year as per Rule No 14 of E (P) Rules, 1986& amendments thereof.	Complied. The latest environment statement submitted on 19.06.2024
8	The applicant should make applications through Online for renewal of Consent (underWater and Air Acts) and Authorization under HWM Rules at least 120 days before thedate of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization ofthe Board.	Noted.
9	The industry should immediately submit the revised application for consent to thisBoard in the event of any change in the raw material used, processes employed,quantity of trade effluents & quantity of emissions. Any change in the managementshall be informed to the Board. The person authorized should not let out the premises /lend / sell / transfer their industrial premises without obtaining prior permission of theState Pollution Control Board	The industry will intimate to the Board if there any change in the process or any change in the management and do not lend / sell / transfer without prior information from the Board.

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10	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.	The Industry agreed to follow the rules mentioned in the sections of Air Act 1981 and Water Act 1974.
11	The industry shall be liable to pay Environmental Compensation / Of the environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.	The Applicant agreed to pay Environmental Compensation if any environmental damage caused to the surroundings.
12	The industry may explore the possibility of tapping the solar energy for their energy requirements.	Noted.
13	The industry should educate the workers and nearby public of possible accidents and remedial measures.	Complied. The industry is regularly educating the workers about the safe practices etc.

Schedule B

Water Pollution

1.	<p>The source of water is bore well. The following is the permitted Water consumption:</p> <table border="1"> <thead> <tr> <th>S.NO</th> <th>Purpose</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Process and Washings</td> <td>2.0KLD</td> </tr> <tr> <td>2</td> <td>Dust Suppression</td> <td>30.0KLD</td> </tr> <tr> <td>3</td> <td>Gardening/irrigation</td> <td>39.0KLD</td> </tr> <tr> <td>4</td> <td>Domestic</td> <td>4.0KLD</td> </tr> <tr> <td></td> <td>Total</td> <td>75.0KLD</td> </tr> </tbody> </table> <p>Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above for Cess assessment purpose.</p>	S.NO	Purpose	Quantity	1	Process and Washings	2.0KLD	2	Dust Suppression	30.0KLD	3	Gardening/irrigation	39.0KLD	4	Domestic	4.0KLD		Total	75.0KLD	The source of water is bore well/Mines Pit for dust suppression (at crusher) & domestic purpose. Flow meter provided to measure the water consumption for sprinkling system (Dust Suppression) at crusher and domestic purpose. For gardening, the industry is using mobile water tanker for which the water source is mines pit. As per the records, The average water quantity consumption from the bore well is not exceeding the limit.
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2.	The industry shall establish online piezometers to measure the ground water immediately.	The industry provided two piezometers to measure the Ground water table levels. Photographs of the Piezometers are enclosed in Annexure -II																		

Air Pollution

3	The applicant shall comply with the Ambient Air Quality standards of PM10 (Particulate Matter size less than 10µm)-100µg/m ³ ; PM2.5 (Particulate Matter size less than 2.5µm)-60µg/m ³ ; SO ₂ -80µg/m ³ ; NO _x -80µg/m ³ , outside the factory premises at the periphery of the industry. Standards of other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCL-I, dated 18.11.2009. Noise Levels: Day Time (6AM to 10PM)-75dB(A) Night Time (10PM to 6AM)-70dB(A)	The industry is monitoring the Ambient air quality parameter (PM ₁₀ , PM _{2.5} , SO ₂ & NO ₂) on monthly basis & noise standards on periodical basis by the third party approved laboratory and the results are meeting within the prescribed standards.
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General		
4	The industry shall provide automatic water sprinklers to control fugitive emissions.	The industry has laid the water sprinkling system to avoid fugitive emissions on haul roads. Photographs of the Water sprinkling system enclosed as Annexure -III
5	The mining unit shall provide & maintain dust control systems at the transfer points incrushing area to control the dust emission.	The industry provided dust extraction system equipped with bag filter at crusher transfer to control the dust emissions. Photograph of dust control system is enclosed in Annexure -IV
6	The industry shall ensure that natural water course of stream existing at the edge of the mine lease area towards western side shall not be obstructed due to any mining operations. Adequate buffer zone shall be maintained on either side of the stream to protect it.	The industry adequate 50 mtr of buffer zone maintained on either side of the stream to protected
7	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps 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 shall be regularly desilted, particularly after monsoon and maintained properly.	Catch drains and siltation ponds of appropriate size constructed for the Mine working pit and BC Soil stock to arrest flow of silt. The water collected utilized for watering the mine area, roads, green belt development etc. The drains will be regularly desilted, particularly after monsoon and maintained properly.
8	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be provided. Sump capacity with adequate retention period to allow proper settling of silt material should also be provided. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals	Garland drain certain gradient and length constructed for the mine pit and BC Soil stock, sump capacity provided as per Mining plan
9	The proponent has to provide a trench for storm water draining from the mine lease area to aid in preventing the sedimentation of silt and avoid siltation at the discharge end of check dams.	The Industry has provided trench for storm water drainage from mine lease to preventing the sedimentation of silt and avoid siltation from discharge water.
10	The project proponent shall take appropriate mitigate measures to prevent pollution of nearby River and other surface water body.	Being Followed, The project proponent has taken the all necessary steps to prevent the mitigation of the surface water body. We don't have any river nearby the mines.
11	Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below: a. Spraying in mine pits. b. Domestic purposes.	Being complied, The Industry has provided separate water flow meters at the motor point at mines pit as well as the Domestic purposes.
General		
12	The mining unit shall not produce beyond the permitted capacity mentioned in this order, without obtaining CTE & CTO of the Board.	As per CTE&CTO of the board we are maintaining the permitted capacity.

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13	<p>The mining unit shall develop green belt of width 7.5 m all along the boundary of the mine lease area on OB dumps, along the roads etc., by planting the native species in consultation with the local DFO. The mining unit has submitted Afforestation Plan to the Board on 11.05.2015, to develop green belt in the mine lease area till the end of mine. As per the plan, the applicant has proposed to develop green belt as follows:</p> <table border="1" data-bbox="263 544 847 779"> <thead> <tr> <th>S.NO</th> <th>Year</th> <th>Green belt area</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1-5 Years</td> <td>9.14 Ha</td> </tr> <tr> <td>2</td> <td>6-10 Years</td> <td>6.9 Ha</td> </tr> <tr> <td>3</td> <td>11-15 Years</td> <td>6.9 Ha</td> </tr> <tr> <td>4</td> <td>16-20 Years</td> <td>6.9 Ha</td> </tr> <tr> <td>5</td> <td>21-25 Years</td> <td>6.9 Ha</td> </tr> <tr> <td>6</td> <td>26-30 Years</td> <td>6.9 Ha</td> </tr> <tr> <td>7</td> <td>30-end of the mine</td> <td>16.95 Ha</td> </tr> </tbody> </table>	S.NO	Year	Green belt area	1	1-5 Years	9.14 Ha	2	6-10 Years	6.9 Ha	3	11-15 Years	6.9 Ha	4	16-20 Years	6.9 Ha	5	21-25 Years	6.9 Ha	6	26-30 Years	6.9 Ha	7	30-end of the mine	16.95 Ha	<p>Being Complied, As on date 30.06.2025, the project authority developed green belt of 50.21 Ha by planting 106256 no's of saplings within Mine Lease area.</p> <p>Photographs of the same are enclosed in annexure -V</p>
S.NO	Year	Green belt area																								
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14	<p>The mining unit shall adopt blasting technique using shock tube and delay detonators. Dust collectors are to be provided for the drilling and water sprinkling near loading areas and while drilling.</p>	<p>Complied with the condition, The mining unit adopted blasting technique using shock tube and Non electrical delay detonators. Drilling operating machines are equipped with water injection system.</p>																								
15	<p>The mining unit shall adopt latest blasting techniques to minimize the vibrations and dust emissions.</p>	<p>The mining unit adopted With latest blasting techniques by using of Non electrical delay detonators to reduce the ground vibration and Before blasting the blasting area wetted further to reduce the dust emission.</p>																								
16	<p>The mining unit shall avoid blasting during high windy period, night times and temperature inversion periods.</p>	<p>The mining unit is carrying out blasting in day time i.e. afternoon to avoid the temperature inversion if any.</p>																								
17	<p>The mining unit shall provide fixed continuous water spraying system all along the haul road from Mines to Lime stone crusher to minimize the dust emissions before commencement of mining activity.</p>	<p>The mining unit shall have laid the fixed water sprinkling system to avoid fugitive emissions from Mines to Lime stone crusher to minimize the dust emissions.</p>																								
18	<p>Ground water table levels should be monitored every season. Any lowering of the ground water table in comparison to the previous season should be reported to the Board immediately. Discarded pits shall be allowed to fill the water</p>	<p>The mining unit is maintaining the ground water table levels every season. As per the Hydro geological study up to 60mtrs. There is no ground water intersection at the mine lease area.</p>																								
19	<p>Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.</p>	<p>Being followed.</p>																								
20	<p>The mining unit shall stack the top soil with adequate measures with proper slope at Earn marked site (s) only and shall be used for plantation purpose.</p>	<p>The mining unit top soil (Black cotton soil) temporarily stocked separately for utilization of afforestation in future.</p>																								
21	<p>The mining unit shall comply with the following for controlling fugitive emissions. a. Water spraying shall be done on the blasted muck pile before loading by excavator to suppress the dust. b. To control dust from drilling operations, drilling with dust collectors/wet drilling shall be practiced. Also drill speeds shall be regulated as per manufacturer's guidelines.</p>	<p>The mining unit complied with the condition Following control measures for controlling fugitive emissions. a. Before loading of the material muck pile wetting to control dust emissions. b. The mining unit adopting wet drilling technique and used sharp drill bits only .</p>																								

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	<p>c.Regular Water spraying shall be done on haul roads and during unloading atcrusher hopper to suppress the dust effectively.</p> <p>d. Overloading of transport equipment shall be prevented in order to stop spillage.</p> <p>e. Water sprinklers shall be provided at the Limestone crusher (1200 Tons/hr) andalso at the belt conveyor.</p> <p>f. Closed conveyor system from the Limestone crusher (1200 Tons/hr) to theCement plant for a total length of 3.2km shall be provided.</p> <p>g. 3nos. bag filters (48 no. of bags) shall be provided at transfer points fromLimestone crusher to the Limestone stock pile.</p>	<p>c. Fixed water sprinklers are arranged all along the haul roads and also unloading at limestone crusher hopper to suppress the dust.</p> <p>d. Avoid the over load of the vehicle to stop spillage.</p> <p>e. Water sprinklers are provided at the Limestone crusher (350 Tons/hr) and also at the belt conveyor.</p> <p>f. Closed belt conveyor system from the Limestone crusher (350 Tons/hr) to the Cement plant for a total length of 2.2km</p> <p>g. The industry provided 3 DE Systems at transfer points from limestone crusher to the limestone stock pile.</p>								
22	<p>The mining unit shall maintain the following measures to control erosion of dumps and submit the compliance.</p> <p>i. Retention/toe walls shall be provided at the foot of the dumps</p> <p>ii. Stabilization of worked out slopes by planting appropriate shrub / grass species on the slopes.</p>	<p>Waste dump is generated in Mines except top soil/ Block cotton soil. Retention and toe wall provided at the foot of the dump to control erosion.</p>								
	<table border="1"> <thead> <tr> <th>Name of the waste</th> <th>Qty as per CFO Order dt:16.07.2021</th> <th>Applied Quantity for Expansion</th> <th>Disposal Option</th> </tr> </thead> <tbody> <tr> <td>Top soil</td> <td>8.54 million m³during the life of the mine (or) 52,072 m³/Annum</td> <td>0.0727 Million m³during the life of the mine</td> <td>Shall be dumped temporarily towards south -west side of the working mine pit. The industry is utilizing the top soil for afforestation within the mine lease area.</td> </tr> </tbody> </table>	Name of the waste	Qty as per CFO Order dt:16.07.2021	Applied Quantity for Expansion	Disposal Option	Top soil	8.54 million m ³ during the life of the mine (or) 52,072 m ³ /Annum	0.0727 Million m ³ during the life of the mine	Shall be dumped temporarily towards south -west side of the working mine pit. The industry is utilizing the top soil for afforestation within the mine lease area.	
Name of the waste	Qty as per CFO Order dt:16.07.2021	Applied Quantity for Expansion	Disposal Option							
Top soil	8.54 million m ³ during the life of the mine (or) 52,072 m ³ /Annum	0.0727 Million m ³ during the life of the mine	Shall be dumped temporarily towards south -west side of the working mine pit. The industry is utilizing the top soil for afforestation within the mine lease area.							
23	<p>The mining unit shall explore the possibility to convert mined area into a reservoir by plugging the leakages</p>	<p>Noted</p>								
24	<p>The mining unit shall carry out studies on ground vibrations due to blasting activities. Based on the reports of every blast, the blasting parameters shall be modified if necessary with approval of concerned department.</p>	<p>Every blasting is conducted and monitoring ground vibration by using of Minimise. If anything is required, the proponent will take approval for modification from concerned department.</p>								
25	<p>The mining unit shall submit Water Quality, AAQ, Soil quality monitoring through third party approved by MoEF&CC on monthly basis to RO, Anantapur&ZO, Kurnool.</p>	<p>The mining unit is submitting water quality, AAQ, Soil quality monitoring through third party approved by MoEF&CC on monthly basis to RO, Anantapur&ZO, Kurnool.</p>								
26	<p>The mining unit shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.</p>	<p>The Mining unit not changing any processing technology without prior approval of the Board.</p>								
27	<p>The mining unit shall comply with all the directions issued by the Board from time to Time.</p>	<p>Noted.</p>								
28	<p>The Industry shall comply with the following as stipulated in EC Order dt.17.08.2022</p> <p>The expansion of Limestone production from 1.0 MTPA to 4.70 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then, the capacity of the mine will remain upto 1.0 MTPA. New crusher and conveyor will be tested for 1.0 MTPA first and then the mine</p>	<p>The industry has obtained EC amendment for Limestone production for 1.50 MTPA capacity and the board issued CFO for the same capacity.</p>								

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	<p>shall commission for 4.70 MTPA. The commission of new crusher of 1200 TPH capacity along with the conveyor shall be intimated to the to the Ministry's Regional office and to the Board. Accordingly, SPCB shall not grant Consent to Operate (CTO) for the expansion capacity of 4.70 MTPA production.</p> <p>PP shall undertake dense tree plantation of native fruit bearing species all along the safety zone (already left of 50m) on either side of nallah within three years or certify this with DFO.</p> <p>The air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc., shall be installed at Crushers, and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.</p> <p>No transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a "bypass" road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200m) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in construction with nodal State Govt. Department.</p>	<p>Noted by the Industry.</p> <p>The industry has provided air pollution control equipment's like Bag house, vacuum suction hoods at crusher and other transfer points. Also, the industry provided fully covered with GI sheet for the belt conveyor. A fixed water sprinkling system installed from Mines pit to crusher area to control the road dust emissions.</p> <p>No road is passing through the entire mine lease area. Hence, the condition is not applicable.</p>
29	The Industry shall comply with the conditions stipulated in EC order dated 12.12.2014 and CTE(Expansion)order dated 17.11.2022	Noted and will be complied.
Special Conditions:		
30	The mining unit shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.	As per the Mining laws, the concern government Mining departments will inspect regularly and if any non-compliance given as violation. The Non-compliance will be fulfilled and submit to concern government Mining departments. The factories dept. is not concerned to the Mining activity.
31	The mining unit shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.	Noted, The obtaining of fire NOC for mining unit is not applicable. However the industry obtained PESO license for storage of chemicals.

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Image: Showing Display boards

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Annexure II

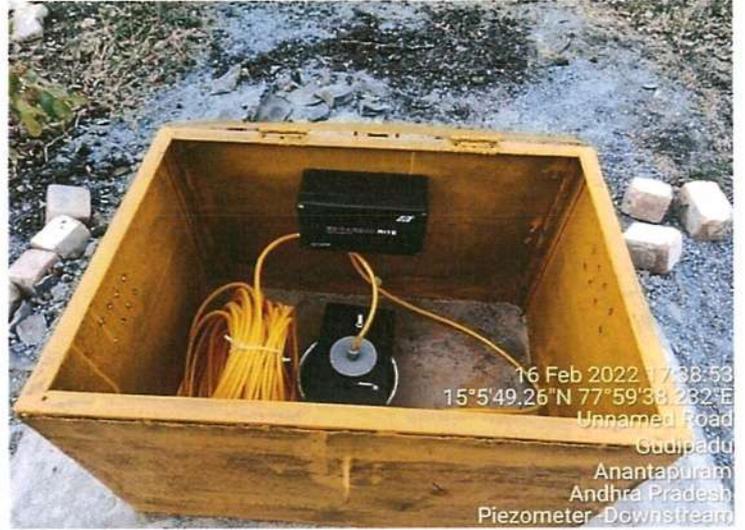
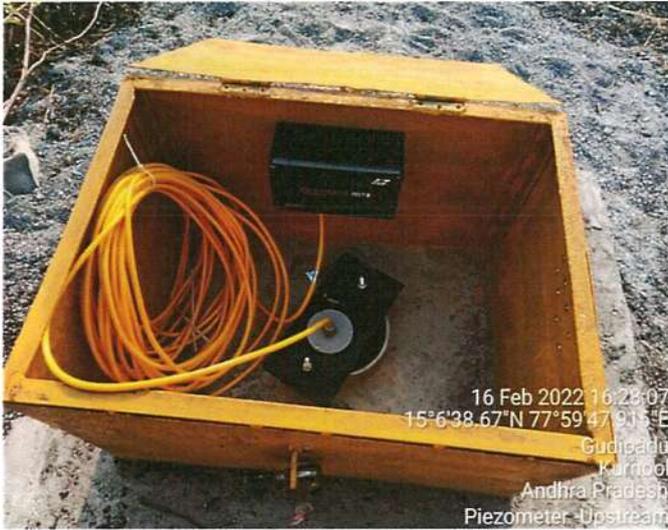


Fig: Showing Piezometers at upstream & downstream of the Mining Lease area

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Annexure III



Fig: Showing fixed water sprinkling at Mines haul roads

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Annexure IV



Image: Showing Dust extraction system to control fugitive emissions

Annexure

Annexure V

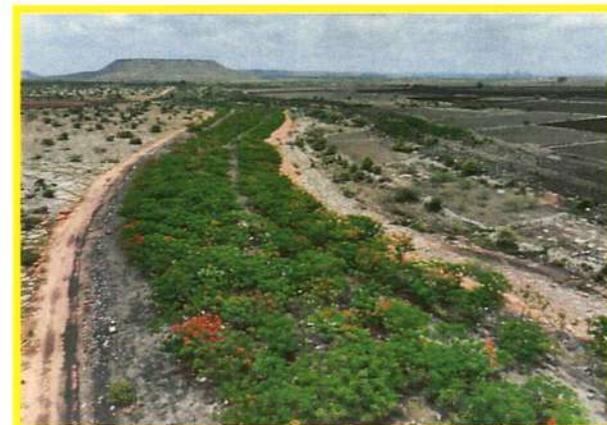
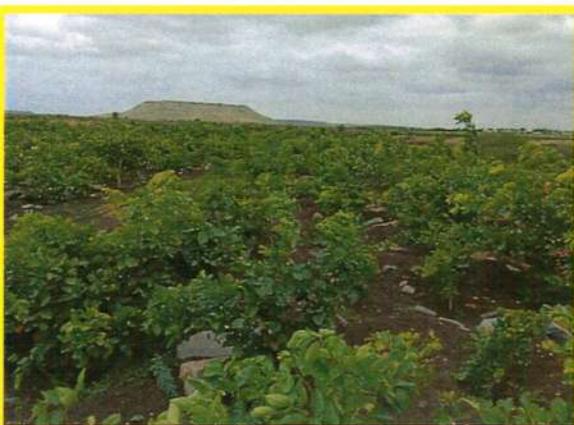
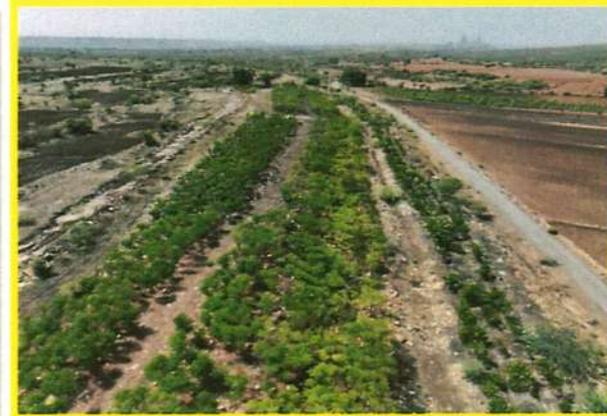


Image: Showing Plantation at mines area.

Signature

