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 CFE Compliance Report for Gudipadu Limestone Mine of Sagar Cements (R) Limited Gudipadu for the period Jan'2025 to Jun' 2025 -Reg

Ref: No.145/APPCB/CFE/RO-ATP/HO/2014 dated 17.11.2022

Dear Sir,

In reference to the cited above subject, we are herewith furnishing the compliance report to stipulated conditions of CFE for the period **Jan'2025 to Jun' 2025** for Gudipadu Limestone Mine of Sagar Cements (R) Limited Gudipadu village, Yadiki Mandal, Anantapuramu district in Andhra Pradesh.

This is for your kind information and office records please.

Thanking you

Yours faithfully,
For Sagar Cements (R) Ltd

E. P. Ranga Reddy
Vice President

CC: To, The Environmental Engineer.

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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 Gudipadu Limestone Mines
CFE Order No.145/Appcb/Cfe/Ro-Atp/Ho/2014 Dated 17.11.2022

<table>
<tr><td colspan="2">SCHEDULE – A</td><td></td></tr>
<tr><td>S No</td><td>Condition</td><td>Compliance</td></tr>
<tr><td>1</td><td>The proponent shall obtain Consents for operation from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity</td><td>As informed by the industry representative, they will obtain Consents for operation from APPCB before commencement of the activity.</td></tr>
<tr><td>2</td><td>The proponent shall ensure that separate energy meters are connected to Air pollution Control equipments to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.</td><td>The proponent has provided separate energy meter to Air pollution Control equipments to record energy consumed. The industry is having captive power plant and also recieved approval from AP Transco as alternative power source.</td></tr>
<tr><td colspan="2">SCHEDULE-B</td><td></td></tr>
<tr><td colspan="2">Water:</td><td></td></tr>
<tr><td>1</td><td>The source of water is Borewell / rain water collected in the mine pit and the maximum permitted water consumption is as following :
<table>
<tr><th>S.No</th><th>Purpose</th><th>Qty as per CFE order dt.13.02.2015</th><th>Proposed qty for expansion</th><th>Total qty after expansion</th></tr>
<tr><td>1.</td><td>Process & Washings</td><td>1.0 KLD</td><td>1.0 KLD</td><td>2.0 KLD</td></tr>
<tr><td>2.</td><td>Dust Suppression</td><td>25.0 KLD</td><td>29.0 KLD</td><td>54.0 KLD</td></tr>
<tr><td>3.</td><td>Gardening /Irrigation</td><td>15.0 KLD</td><td>25.0 KLD</td><td>40.0 KLD</td></tr>
<tr><td>4.</td><td>Domestic</td><td>4.0 KLD</td><td>--</td><td>4.0 KLD</td></tr>
<tr><td></td><td>Total:</td><td>45.0 KLD</td><td>55.0 KLD</td><td>100 KLD</td></tr>
</table></td><td>Being Complied.</td></tr>
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<table>
<tr>
<td>2</td>
<td>The maximum waste Water Generation (KLD) shall not exceed the following
<table>
<tr><th>S.No</th><th>Source</th><th>Qty as per CFE order dt.13.02.2015</th><th>Proposed qty for expansion</th><th>Total qty after expansion</th></tr>
<tr><td>1)</td><td>Washings (Vehicle)</td><td>1.0 KLD</td><td>1.0 KLD</td><td>2.0 KLD</td></tr>
<tr><td>2)</td><td>Domestic</td><td>3.2 KLD</td><td>--</td><td>3.2 KLD</td></tr>
<tr><td></td><td>Total:</td><td>4.2 KLD</td><td>1.0 KLD</td><td>5.2 KLD</td></tr>
</table>
Treatment & Disposal:
<table>
<tr><th>Source of effluent</th><th>Capacity of Treatment units</th><th>Mode of final disposal</th></tr>
<tr><td>Vehicle washings</td><td>The industry has provided settling tank of size 4m x 3m x 1.5m for the vehicle washing effluents.</td><td>After settling, the wastewater shall be utilized for on land for gardening within the premises.</td></tr>
<tr><td>Domestic</td><td>--</td><td>Septic tank followed by soak pit.</td></tr>
</table>
</td>
<td>Noted and will be complied.</td>
</tr>
<tr>
<td>3</td>
<td>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.</td>
<td>The industry is not obstructing the stream passing through the mines. The industry has left 50m buffer zone from the stream.</td>
</tr>
<tr>
<td>4</td>
<td>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, greenbelt development, etc.The drains shall be regularly de silted, particularly after monsoon and maintained properly.</td>
<td>Protective measures such as Catch drains & Siltation Ponds, silt settling pond, rain water harvesting pit, check dams & garland drains are being constructed in phase wise manner as per the requirement around the mine pit to prevent the inrush of water into the mine. The water collected is used in cement plant & mines, so as to conserve the fresh ground water. The drains and settling pits are cleaned in summer, to permit free water flow when it rains.</td>
</tr>
<tr>
<td>5</td>
<td>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 should with adequate retention pride to allow proper setting of silt material should also be provided. Sedimentation pits should be constructed at the corners of the garland drains and de shielded at regular intervals.</td>
<td>Garland drains are formed around the mine pit and the runoff is permitted to have its natural drain pattern. Check dams & Silt ponds at amenable places are constructed for desiltation and allowed to percolate into ground.</td>
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<table>
<tr><td>6</td><td>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</td><td>The industry has provided a trench of length 2000m surrounding the mine lease area.</td></tr>
<tr><td>7</td><td>The project proponent shall take appropriate mitigate measures to prevent pollution of nearby river and other surface water body.</td><td>The industry has taken mitigation measures to prevent pollution of near surface water body by plantation.</td></tr>
<tr><td>8</td><td>Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purpose mentioned below.
a) Spraying in mine pits
b) Domestic purpose.</td><td>The industry has provided separate flow meters for the process and Domestic purpose.</td></tr>
<tr><td colspan="3">AIR:</td></tr>
<tr><td>9</td><td>The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution.
<table>
<tr><th>S. No.</th><th>Details of stack</th><th>Stack 1 (Existing) Stack</th><th>Stack 2 (New)</th></tr>
<tr><td>1.</td><td>Attached to</td><td>Limestone crusher</td><td>Limestone crusher</td></tr>
<tr><td>2.</td><td>Capacity</td><td>350 Tons/hr</td><td>1200 Tons/hr</td></tr>
<tr><td>3.</td><td>Stack height Above the ground (m)</td><td>23m</td><td>20m</td></tr>
<tr><td>4.</td><td>Details of Air Pollution Control Equipment</td><td>Pulsejet bag house with 153 No. of Bags</td><td>Pulsejet bag house with 462 No. of Bags</td></tr>
</table></td><td>Noted by the industry.</td></tr>
<tr><td>10</td><td>A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform</td><td>Noted by the industry.</td></tr>
<tr><td>11</td><td>The proponent shall comply with the following for controlling fugitive emissions
• Water spraying shall be done on the blasted muck pile before loading by excavator to suppress the dust.
• 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.
• Regular Water spraying shall be done on haul roads and during unloading at crusher hopper to suppress the dust effectively.
• Overloading of transport equipment shall be prevented in order to stop spillage.
• Water sprinklers shall be provided at the Limestone crusher (1200 Tons/hr) and also at the belt conveyor.
• Closed conveyor system from the Limestone crusher (1200</td><td>The industry is controlling fugitive emissions by the following methods.
• Muck pilling regularly before loading by excavator to suppress the dust.
• Being followed.
• The industry has provided fixed water sprinkling system of length 1.6 km from crusher hopper to mines pit suppress the dust from haul</td></tr>
</table>

	Tons/hr) to the • Cement plant for a total length of 3.2km shall be provided. • 3nos. bag filters (48 no. of bags) shall be provided at transfer points from Limestone crusher to the Limestone stock pile.	roads. • Will be followed. • Will be followed in future. • Will be followed in future. • Will be followed in future. The industry has already provided bag filters at transfer points from Limestone crusher to the Limestone stock pile.
12.	The proponent shall comply with the following for controlling noise emissions. • Machinery shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines. • Surface drilling and blasting operations shall not be carried out at night. • The drilling shall be done with sharp drill bits to reduce generation of noise during drilling. • Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise. • Hydraulic rock breaker shall be used in lieu of secondary blasting. • Drill machine operators and dumper drivers shall be equipped with earplugs and earmuffs. The duty hours of operators working near the machinery shall be regulated to keep their noise exposure levels within limits. • Periodical monitoring of noise level of mining machines and at some locations in the mining site shall be done with the help of noise level meter.	The industry is controlling noise emissions by the following methods. The machineries are regularly maintained to avoid undesirable noise. No blasting will be conducted at the night time. The industry is using sharp drill bits to avoid noise pollution. Being followed. Being followed. The industry is providing earplugs and earmuffs to Drill machine operators and dumper drivers. The industry is Periodical monitoring noise levels.
13	The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.	Being followed.
14	Ambient air quality monitoring standards shall be provided in core and buffer zone in down windward direction in consultation with concerned Regional Officer of APPCB for monitoring of PM2.5, PM 10, SO_2, NO_X. The consolidated monthly report of the same shall be submitted.	The industry is monitoring AAQ in core zone and buffer on monthly basis by the approved NABL Laboratory and reports are submitted to RO and zonal office.
15	Sequential blasting and use of non- elect delay detonators shall be adopted to reduce ground vibrations.	Being followed.
16	The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB (A) during day time and 70 dB (A) during night time. The waste oil shall be used for lubrication in the earthmoving equipment.	Noted.

<table>
<tr><td colspan="2">Solid Waste:</td><td></td></tr>
<tr><td>17.</td><td>The proponent shall comply with the following.
<table>
<tr><th>S.NO</th><th>Name of the waste</th><th>Qty as per CFO order dated 16.07.2021</th><th>Qty after CFE Expansion (as per industry lr dt 09.11.2022</th><th>Disposal Option</th></tr>
<tr><td>1</td><td>Top Soil</td><td>8.54million m^3during the life of mine or 52,072 m3/Annum</td><td>*3.23 Million m^3 during 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>
</table></td><td>Noted.</td></tr>
<tr><td>18</td><td>Topsoil, if any, shall be stacked with adequate masseurs with proper slope at earmarked site (S) only and shall be used for reclamation / plantation and rehabilitation of mined out areas.</td><td>Being followed.</td></tr>
<tr><td>19</td><td>The following rules and regulations notified by the MoE&F, GoI shall be implemented.
a) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
c) Batteries (Management & Handling) Rules, 2010.
d) E-Waste (Management) Rules, 2016.
e) Construction and Demolition waste Management Rules, 2016.</td><td>Being followed.</td></tr>
</table>

Other Conditions:

20.	The industry shall comply with the following as stipulated in the EC order dt.17.08.2022: • 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 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. • 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. • 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. • 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 Sate Govt. Department.	Noted by the industry. The industry is planning to plant native fruit bearing species all along the safety zone. The industry has provided 3 no's of bag filters at crusher and transfer towers. Not applicable as no transportation of the minerals are passing through villages/ habitations.
21	The proponent 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.	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.
22	The proponent shall obtain Consent For operation from the APPCB before the commencement of mining activity. This shall be strictly adhered to without fail.	Complied.
23	The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.	Noted by the industry.
24	The proponent shall carry out studies on ground vibration due to blasting activates, Based on the reports of every blast, the blasting parameters shall be modified if necessary with approval of concerned department .	Being followed.
25	The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.	Being followed.
26	The proponent shall comply with all the directions issued by the Board from time to time.	Noted.
27	Concealing the factual data or submission of false information /	Noted.

	fabricated data and failure to compel with any of conditions maintained in this order may result in withdrawal of this order and attracts action under the provisions of relevant pollution control Acts.	
28	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.	Noted.
29	Any person aggrieved by an order made by the state Board under Section 25,Sec26, sec27 of Water Act, 1974 or sec 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 Andhrapradesh water rules , 1976, and Air Rules 1982, to such authority (here in after referred to as the Appellate Authority) constituted under Section 28 of water (Prevention and Control of Pollution)Act,1975 and Section 31of the Air (Prevention and Control of Pollution) Act , 1981.	Noted.