ANDHRA CEMENTS LIMITED **DURGA CEMENT WORKS**

ACL/DCW/CFO/MINES/2020-21/ 147

Date: 27/05/2021

The Member Secretary AP Pollution Control Board Head office, D. No. 33-26-14D/2 Near Sunrise Hospital, Pushpa Hotel Centre Chalamavari Street, Kasturibaipet, Vijayawada-520010 (AP State)

Sub: Submission of Half Yearly CFO Compliance report- Limestone Mines of Durga Cement works, a unit of Andhra Cements Limited for the period from October, 2020 to March, 2021.

Ref: Consent Order No: APPCB/VJA/GTR/16829/HO/CFO/2020 Dt.07/12/2020, valid for the period up to 30.06.2021.

Dear Sir.

With reference to above subject, we are enclosing herewith Half Yearly CFO Compliance report for Limestone Mines of Durga Cement works, a unit of Andhra Cements Limited located at Durapuram, Dachepally(M), Guntur(Dt), Andhra Pradesh (State) for the period from October, 2020 to March, 2021.

This is for your kind information and request to arrange for acknowledgement, please.

Thanking you.

Yours Faithfully

For Durga Cement Works

A Unit of Andhra Cements Limited

N.B. Singh

Advisor-Technical

Encl: As above

Copy to:

The Environmental Engineer Regional Office, A.P Pollution Control Board Door No.4-5-4/5C(EAST), Navbharat nagar, Ring Road, Guntur-522007, Andhra Pradesh



Regd. Office &: Durga Cement Works, Durgapuram, Srinagar (P.O), Dachepalli - 522 414. Guntur Dt. Anhdra Pradesh Ph: +91-8649-257428-29, Fax: +91-8649-257449

Name of Project : M/s Durga Cement Works

(Limestone Mines),

A unit of Andhra Cements Limited Gamalapadu (v),Durgapuram(V), Dachepalli (M),Guntur District -522414

Andhra Pradesh

Consent Order No. : APPCB/VJA/GTR/16829/HO/CFO/2020-, date: 07/12/2020, valid for the period up to 30.06.2021

Period of Compliance Report: October, 2020 to March, 2021

	Schedule-A		
S.N	CFO Stipulated Condition	Compliance Condition	
2.	The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date 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 of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall 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 the State Pollution Control Board. 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.	Being complied. We have installed two display boards at Plant Time Office Gate and Plant & Colony Main Entry Gate. Plant Time Office Gate Plant & Colony Main Entry Plant Time Office Gate Plant & Colony Main Entry	
3.	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 the same to the Board.	Being complied.	

Project Code:-

- 02TS282

4.	Notwithstanding anything contained in this	Noted & Agreed.
	consent 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.	
5.	The industry shall be liable to pay	Noted & Agreed.
	Environmental Compensation, 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	
6.	Any person aggrieved by an order made by the	Noted & Agreed.
	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.	
7.	The applicant shall submit Environment	Being Complied.
	statement in Form-V before 30th September	Environment Statement in Form V submitted ref.
	every year as per Rule No.14 of E(P) Rules,	Letter No. ACL/DCW/ENV/2020/39 Dt.19/09/2020
	1986 & amendments thereof.	
8.	All the rules & regulations notified by Ministry of	Noted & Agreed.
	Law and Justice, Government of India	
	regarding Public Liability Insurance Act, 1991	
	should be followed as applicable	
9.	Any up-set condition in any industrial plant /	Noted & Agreed.
	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.	
		dule –B
1.	The industry shall comply with the following	Noted & Agreed.
	conditions within stipulated time, failing which	
	the bank guarantee of Rs. 11.7 lakhs submitted	
	by the industry will be forfeited without any	
1	notice:	

i. The total mine lease area is 170.22 Ha., out of which, 120 Ha. is suitable for mining remaining 50.22 Ha. un-mined area. As per EC, 46.72 Ha. (27.5 %) of greenbelt has to be developed with a density of 2000 plants/Hectare, out of which, only 34.85 Ha. (20.5%) is developed in the mine area. The industry shall develop the balance green belt of 11.87 Ha. Within 6 months i.e., by 07.05.202.

We will develop greenbelt as per action plan submitted to APPCB.

Details are furnished underneath:

S.No	Year	Area(Ha)	No of Plants
1	2020-21	0.50	1000
2	2021-22	1.50	3000
3	2022-23	2.00	4000
4	2023-24	2.00	4000
5	2024-25	2.00	4000
6	2025-26	2.50	5000
7	2026-27	1.37	2740
	Total	11.87	23740

ii. While issuing CFO on 23.01.2014, a condition was stipulated to develop additional greenbelt of 117 acres to meet the norms, to ensure the same, a Bank Guarantee of Rs.11.7 Lakhs was taken from the industry for a period of 3 years with a condition to submit action plan with time frames for development of greenbelt of 117 acres, if the industry has not complied the condition, the BG has to be forfeited. The industry has to furnish the status of development of additional greenbelt of 117 Acres within 1 month i.e., by 07.01.2021.

As required, Status of development of additional greenbelt of 117 acres will be submitted by 07.01.2021.

iii. The industry has not furnished the status on maintaining funds of Rs.35 Lakhs and Rs. 23.2 Lakhs in separate account, towards the capital cost and recurring cost / annum respectively for environment pollution control measures for the mine. The industry shall maintain the funds of Rs.35 Lakhs and Rs. 23.2 Lakhs in separate account, towards the capital cost and recurring cost / annum respectively for environment pollution control measures for mine within 3 months i.e., by 07.02.2021.

Our Plant & Mines stoppage continues from first week of February 2020 and we shall maintain funds in separate account after re-start and stabilization of the Plant & Mines for environment pollution control measures.

WATER POLLUTION:

 The source of water being ground water. The following is the permitted water consumption:

S.No	Purpose	Quantity
1.	Process &	50.0 KLD
	Washings(Sprinkli	
	ng in Mining)	
2.	Domestic	10.0 KLD
	Total	60.0 KLD

Following Initiatives have been taken to reduce water consumption:

- Construction of STP to maintain Zero waste water discharge. Treated water reused in dust suppression & green belt development at mines area.
- 2. All the drainage leading to mine pit to conserve the rain water.

Water consumption shall not exceed the allowed quantity.



- Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned below:
 - a. Spraying in mine pits and
 - b. Domestic purposes

Separate water meters provided for plant & Mines and Domestic water consumption and records are maintained.







Sewage Treatment plant Inlet (1) & Outlet (2) water Meter

Plant :Industrial Water Meter

Plant & Colony: Domestic Water Meter

3. The industry shall comply the following general standards for discharge of environmental pollutants as per MoEF&CC Notification of G.S.R. 422 (E), Dt.19.05.1993:

 Outlet No.
 Parameter
 Limiting standards

 1
 pH
 5.5-9.00

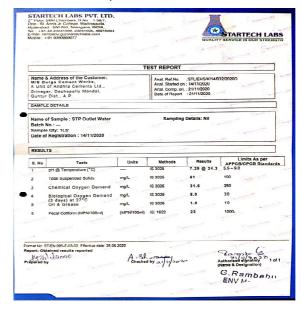
 TSS
 200.0 mg/l

 TDS
 2100.0 mg/l

 BOD at 27°C
 100.0 mg/l

Oil &Grease

There are no effluents generated from the Mines. The domestic effluent (STP) discharge has constituents within prescribed tolerance limits



4. The industry shall ensure that no natural water course shall be obstructed due to mining operations and shall provide garland drain all around the mine area to prevent the mineral transport by rain water to the surrounding areas and shall not cause ground water pollution in and around the mining unit premises. Check dams and filter beds shall be constructed to protect from stream runoffs.

Being Complied.

No natural water course has been obstructed due to mining operations. We are provided garland drains all around the mine area to prevent the mineral transport by rain water.

Check dam is constructed to protect stream runoff.



5. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inner 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.

Being Complied.

AIR POLLUTION:

6. The mining unit shall carry out the air pollution monitoring in strategic locations and furnish the data to RO, Guntur time to time.

We are carrying out Ambient Air Quality monitoring by internal team and furnished data submitted to RO office, Guntur on monthly basis. 7. The proponent shall comply with the following for controlling fugitive emissions.

- Machineries 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 drilling bits to reduce the generation of noise during drilling.
- Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
- 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.

Being Complied.

We are maintaining Machineries properly to prevent undesirable noise.

No blasting operations after daylight hours.

Being Complied.

Being Complied.

Being Complied.

8. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

Being complied.

9. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter Size less than10μm)-100 μg/m3, PM2.5 (Particulate Matter size less than 2.5 μm)-60 μg/m3, SO2-80ug/m3, NOx-80ug/m3, Outside the factory premises at the periphery of the facility.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards MoEF&CC Notification G.S.R(E), Dt.16.11.2009 & CPCB Notification No.B-29016/20/90/PCL-I,dated 18.11.2009

and their Amendments thereof.

Noise Levels:

Day time (6AM to 10PM)- 75dB(A) Night Time(10PM to 6AM-70dB(A) Monitoring of Ambient Air Quality is not being carried out due to stoppage of Plant & Mines from 1st week of February 2020.

Ambient Noise Level Monitoring Report furnished as underneath:

Ambient Noise Level Monitoring Report					
October, 2020 to March, 2021					
Location	1. Haulage Road		2. Drilling Point		
Time	Day	Night	Day	Night	
Concentration		dB(A	A)Leq		
Maximum	28.6	22.5	26.6	20.2	
Minimum	20.8	18.4	20.4	18.1	
Average	24.7	20.5	23.2	19.6	
Location	3. Loading Point		O I A Minas Ottic		s Office
Time	Day	Night	Day	Night	
Concentration		dB(A	A)Leq		
Maximum	27.9	22.5	30.2	23.8	
Minimum	22.4	18.4	25.8	19.6	
Average	25.3	20.2	28.2	21.5	

GENERAL:

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10.	The industry shall not withdraw the Bank Guarantee of Rs.11.7 Lakhs, bearing No. 790GPGE203265002, Dt.21.11.2020 valid up to 30.06.2027 without prior approval of the Board Office, which is submitted towards ensuring the compliance of CFO conditions. It shall be noted that the Bank Guarantee will be forfeited if any non compliance observed in deviation of time lines, as committed in the industry's Lr.Dt.18.08.2020 and in CFO Committee meeting held on 19.08.2020 for development of additional green belt with a density of 2000 plants per Hectare.	Noted & Agreed. Our Plant & Minos stangage continues from first
11.	and Rs.23.2 Lakhs towards the capital cost and recurring cost/ annum respectively, as per EC in a separate account for implementing environment pollution control measures in the mine area by MoEF / State Government and such funds shall not be diverted for any other purposes.	Our Plant & Mines stoppage continues from first week of February 2020 and we shall maintain funds in separate account after re-start and stabilization of the plant for environment pollution control measures
12.	The industry shall earmark an amount of Rs.3.0 Lakhs per annum for 10 years towards the Enterprise Social Responsibility (ESR) activities. The industry shall earmark this amount towards the Enterprise Social Responsibility (ESR) activities and spend the amount under ESR activities through ESR/CSR cell in the office of the District Collector.	Being Complied.
13.	The mining unit shall maintain the escrow account to keep the funds for implementing the mine closure plan in line with approved mine plan.	Agreed. Shall be complied
14.	The mining unit shall be leveled and graded existing road to reduce dust emissions and fixed water sprinklers shall be provided along the mine approach road.	We have provided mobile water tankers with sprinklers to spray water on existing roads along the mine approach road to reduce dust emissions.
15.	The industry shall maintain the records related to quantity of over burden excavated, lime stone mined out, extent of greenbelt developed	Being Complied There is no over burden generated in the Mine area
16.	The Industry shall develop green belt and maintain it on the over burden dumps, haul roads and also along the boundary of the mining area to control air pollution in the surrounding area.	We have developed green belt and maintained at the both side of haul road of mines, boundaries and vacant places of mines area. There is no over burden dumps in our mines. Period: October, 2020 to March, 2020 Tree Plantation: 500 Nos. (Inside the ML area)
17.	The industry shall maintain CAAQM stations provided on the upwind side of the village and shall be calibrated at regular intervals and the data shall be uploaded in APPCB / CPCB websites regularly.	We have installed one CAAQM Station on the upwind side of the village at Mines area and calibrated quarterly basis and on-line real time data is being transmitted regularly to APPCB & CPCB website
18.	All waste materials of top soil, mine rejects and over burden shall be disposed properly within the earmarked Mining Lease Area.	No top soil, mine rejects and over burden generated from mining activity.

19.	The mining unit shall raise plantation with native species along the mine approach roads, overburden dump sites and all around the ML area in	Tree plantation has been done of native species along the roads, vacant places and boundary wall of ML area.			
20.	consultation with local DFO /Agriculture department. The mining unit shall plant soil binding and nitrogen fixing plants in the Mining Lease Area and biological reclamation shall be done in two phases, the first phase shall be with appropriate quick growing grass	Soil binding and nitrogen fixing tree plants have being planted in ML area. Biological reclamation is not applicable in our ML area. Tree plantations are being carried out as directed.			
	and shrubs and in the second phase slower growing native shrubs and trees shall be grown.	TotalMine s Lease area	Total Plantati on	Total Plantati on area	Tree Species Planted
		170.22	29334	35.35	Rain Trees, Ganuga, Punnaga, Teak, wood, Seetaphalam, Neem, Banyan Trees
21.	Dumping of overburden shall be like a retreating pyramid bench formation and shall carry physical and biological reclamation concurrently. Dumps shall be contoured and provided with relief control and stabilized. Dump tops shall be compacted, leveled and provided with proper drainage.	There is no overburden in ML area.			
22.	The mining unit shall provide retention wall, garland drain all around the overburden stocking area and shall develop greenbelt on the slopes of overburden stocking area.	There is no	overbur	den stocki	ng area in ML area.
23.	Soil binding and nitrogen fixing plants shall be planted in the Mine Lease Area. Biological reclamation shall be done in two phases. The first phase shall be with appropriate quick growing grass and shrubs and in the second phase slower growing native shrubs and trees shall be grown.	Soil binding and nitrogen fixing tree plants have being planted in ML area. Biological reclamation is not applicable in our ML area. Tree plantations are being carried out as directed.			
		Total Mines Lease area	Total Planta tion	Total Plantatio n area	Tree Species Planted
		170.22	29334	35.35	Rain Trees, Ganuga, Punnaga, Teak, wood, Seetaphalam, Neem, Banyan Trees
24.	generation points and the dust shall be fed to a dust collection system. The industry shall adopt sequential blasting technique for excavation of limestone to achieve minimum vibration.	Water injector and dust collection cyclone system are installed in drilling machine for the control of air			
25	A separate Environmental management cell with suitable qualified personnel shall be set up under the control of senior executive who will report directly to the head of the organization.	setup for reviewing environmental status and			

26.	The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board: a. Quantity of Effluents generated, treated, and disposed. b. Log Books for pollution control systems. c. Characteristics of ambient air, effluents and emissions. d. Hazardous/non hazardous solid waste generated and disposed. e. Inspection book. f. Manifest copies of hazardous waste.	Being complied.	
27.	The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, Without obtaining CFE&CFO of the Board.	Agreed, We have not enhanced the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.	
28.	The industry shall comply with all other conditions stipulated in the CFE order dated 27.06.2008 including conditions No.4 and 5 of schedule B pertaining to air and noise pollution control in mine areas.	We have complied all conditions stipulated in CFE order dated.27.06.2008.	
29.	These conditions are without prejudice to the rights and contentions of this Board in any Hon'ble Court of law.	Noted & Agreed.	
30.	The industry shall comply with all the Board directions issued from time to time. and shall comply with standards and directions issued by CPCB/MoEF&CC as and when notifications are issued.		
31.	The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January and July of every year to the Regional Office/ Zonal Office.	Being Complied. Last Compliance Report sent to APPCB. Ref. our Letter No. ACL/DCW/CFO/MINES/2020- 21/116 dated 19/12/2020.	