ANDHRA CEMENTS LIMITED **DURGA CEMENT WORKS**

ACL/DCW/MOEF/2020-21/ 143

Date: 03/05/2021

The Director (SEZ) Ministry of Environment, Forest and Climate Change Regional Office-South Eastern Zone 1st and 2nd Floor, HEPC Building, NO.34, Cathedral Garden Road, Nungambakkam, Chennai-600034 Tamil Nadu.

Sub: Submission of Six Monthly EC Compliance report (October 2020 to March 2021)-Plant & Mines.

Ref: Environmental Clearance granted by MoEF vide letter no.F.No.-J-11011/719/2007-IA ii (I) Dated 20th December 2007.

Dear Sir,

With reference to above subject, we are enclosing herewith Six Monthly EC Compliance report for the period from October 2020 to March 2021 of Durga Cement Works (Plant & Mines), a unit of Andhra Cements Limited located at Durgapuram(V), Dachepally(M), Guntur(Dt), Andhra Pradesh.

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/K.Kashinath Advisor-Technical/GM-E&I

Encl: As above Copy to:

> 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)

The Scientist & In charge Central Pollution Control Board, 1th& 2th Floor, Nisarga Bhavan A-Block, Thimmaiah Main Road, 7th D Cross, Shivanagar opp.Pushpanjali Therature, Bengaluru, (Karnataka State)

The Environment Engineer Regional Office, AP Pollution Control Board, Door No.4-5-4/5C (EAST), Navbharat Nagar, Ring Road, Guntur-522007, (A P State)



ANDHRA CEMENTS LIMITED

Factory

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 the Project: : Durga Cement Works (Plant & Mines)

A Unit of Andhra Cements Limited Gamalapadu (V), Dachepalli (M) Guntur District, Andhra Pradesh

Pin- 522414

Clearance Letter No. : J-11011/719/2007-IA II (I) dated 20.12.2007.

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

	Specific Conditions:	
S. No	Compliance Conditions	Compliance Status
l.	Continuous monitoring system to monitor gaseous emissions shall be provided and limit of SPM shall be controlled within 50 Mg/Nm3 by installing adequate air pollution control system and data submitted to the Ministry's Regional Office at Bangalore, A.P. Pollution Control Board and CPCB regularly.	Continuous monitoring system to monitor gaseous emissions through stacks has been working and online real time monitoring data is being transmitted to APPCB & CPCB Server & Display board at factory gate regularly. Air pollution control equipments like RABH installed in Kiln & Raw Mill, Bag filter installed in Coal Mill, ESP installed in Cooler. Bag filters installed in Cement Mills. SPM level is maintained within prescribed standard limit. Data is being submitted to Ministry's Regional Office at Chennai, A.P. Pollution Control Board (APPCB) and CPCB regularly.
		Monitoring of Stack Emission had not carried out as plant is not in operation since February 2020.
00.	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), vehicular movement, bagging and packing areas etc. Crusher shall be operated with high efficiency bag filters. All conveyers shall be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.	Total 60 Nos. of Dust collection and extraction system (Bag filters) have been installed to control fugitive dust emissions at various transfer points i.e Raw Mill handling (unloading, conveying, transporting stacking) bagging and packing areas etc. a) 99.9% high efficiency bag filter installed in Crusher. b) All conveyors are covered. c) Covered sheds have been provided for storage of raw material such as laterite, coal, gypsum. d) Cement, Clinker and Fly ash are stored in silos. e) Pneumatic system is being used for fly ash handling.
111.	Secondary fugitive emissions shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed and data submitted to the Ministry's Regional Office at Bangalore, CPCB and APPCB.	The secondary fugitive emissions have been controlled by providing dust collectors at all transfer points, water sprinklers, covered material storage and silos. Total 42 Nos. of water sprinklers have installed at identified emission points to control fugitive emission. Ambient Air quality Monitoring as per the guidelines of CPCB regularly monitored and data submitted to the Ministry's Regional Office at Bangalore, CPCB and APPCB.

Project Code: 02TS282

V.	Regional office, Bangalore. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the Central	pollution prescribe Monitoria	are ed l	eas, to sust by the CPC of Ambient	ain the Ambient Air Quality B/APPCB. Air Quality was not carried of	as per norms
	Pollution Control Board in this regard.	pollution areas, to sustain the Ambient Air Quality as per norm prescribed by the CPCB/APPCB. Monitoring of Ambient Air Quality was not carried out as plant is not in operation since February 2020.				
V I.	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 overloaded.	vehicles used in Mining operations and in transportation of Mineral.				
VII.	Asphalting/concreting of roads and water spray all around the stockyard and Loading/unloading areas in the cement plant shall be carried out to control fugitive	carried of carried of emission	out out n.	as a contin on the road	of roads all around the plan uous process. Water spray s through water tankers to c installed in plant as underne	has regularly ontrol fugitive
	emissions.		-			
	emissions.		S. No.	Area Limestone Crusher	Location	No. of Points
			1	Limestone Crusher	Limestone Dump Hopper	2
					Crusher lime stone carry Belt conveyor (211-BC2)	2.
					Limestone - Stacker Belt 211-BC4	2
					Limestone - Boom belt	1
			2	Clinker Silo Area	Near BC 5 Belt	1
			3	Raw Mill Area	Laterite feeding belt conveyor	1
1						****
					Weigh feeders	2
					RABH side garden	2 8
			4	Kiln	RABH side garden Drag Chain No.1	2 8 1
					RABH side garden Drag Chain No.1 Drag Chain No.2	2 8 1 2
			4	Kiln Coal Ckt	RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU	2 8 1 2
					RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC	2 8 1 2 1
					RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU	2 8 1 2
					RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt	2 8 1 2 1 1 3
					RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt	2 8 1 2 1 1 3
					RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt Coal yard	2 8 1 2 1 1 3 1 2
			5	Coal Ckt	RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt Coal yard Coal Mill	2 8 1 2 1 1 3 1 2
			5	Coal Ckt	RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt Coal yard Coal Mill Clinker feeding - (DBC-1)	2 8 1 2 1 1 3 1 2 1
			5	Coal Ckt	RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt Coal yard Coal Mill Clinker feeding - (DBC-1) Clinker feeding - (DBC-2)	2 8 1 2 1 1 3 1 2 1 1 1
			5	Coal Ckt Clinker feeding	RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt Coal ward Coal Mill Clinker feeding - (DBC-1) Clinker feeding - (DBC-2) Clinker feeding belt conveyor BC4	2 8 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			6	Coal Ckt Clinker feeding Cement Mill	RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt Coal ward Coal Mill Clinker feeding - (DBC-1) Clinker feeding - (DBC-2) Clinker feeding belt conveyor BC4 Shift Office	2 8 1 1 2 1 1 1 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 1 1 1 2 1
			6	Coal Ckt Clinker feeding Cement Mill Factory Gate -2	RABH side garden Drag Chain No.1 Drag Chain No.2 Coal bulk receiving Unit - CBRU Coal feeding belt - BC Coal Stacker Belt Coal Reclaimer belt Coal ward Coal Mill Clinker feeding - (DBC-1) Clinker feeding - (DBC-2) Clinker feeding belt conveyor BC4 Shift Office Dispatch Office	2 8 1 1 2 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1

VIII. Total ground water requirement Water consumption is maintained as per the APPCB limits. for cement plant and Mining shall No process wastewater is being discharged outside the factory not exceed 420 and 60 m³/day premises and 'zero' discharge is maintained. (including 56 m³/day mine water) respectively. ΑII the treated wastewater shall be recycled and reused in the process and/or for ash quenching, dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. 'Permission' for the Permission for the drawl of ground water obtained from Andhra $\mathbb{I}\mathbb{X}$ drawl ground water from Pradesh Ground Water Department Ref. SGWB / Lr.No.2 /ACL/HO/2007- Dated 01.09.2007 CGWA shall be obtained. Mined out area shall be developed as Water collected in artificial reservoir in the Mine's pit is being artificial reservoir. The water used to minimize ground water consumption. stored in the artificial reservoir made in the mine pit shall be used maximum to reduce ground water consumption. Sewage treatment plant (STP) Sewage Treatment Plant of capacity 300 KLD has been working Ж. shall be installed for the colony. for the treatment of sewage water of colony and plant. Quality of treated water is within the norms. Treated water is being used in Treated domestic effluent shall be gardening and dust suppression. Sludge of STP is being used used for green belt development as manure in green belt development. Bio-degradable and nonwithin the plant premises. Domestic waste from colony and biodegradable waste is being treated as directed. STP shall be segregated in to bio-STARTECH LABS PVT. LTD. degradable and STARTECH LABS biodegradable. Bio-degradable waste shall be composted and non-biodegradable waste shall be TEST REPORT land filled at identified sites. ETP Name & Address of the Customer: M/S Durga Cement Works, A Unit of Andhra Cements Ltd., Srinagar, Dachepally Mandal, Guntur Dist., A.P. Anal. Ref.No. : STL/EHS/C/17/013/2021D Anal. Started on : 18/03/2021 Anal. Comp. on. : 28/03/2021 Date of Report : 26/03/2021 should also be provided for workshop and mineral separation SAMPLE DETAILS plant wastewater. ame of Sample : STP Outlet Water Sample Qty: 1Ltr Date of Registration: 17/03/2021 RESULTS Results Limits As p
APPCB/CPCB St Units Methods APHA 4500B pH @ Temperature (°C) APHA 2120C 1 Color APHA 2540B APHA 2540C 440 2100 APHA 2540D 200 Oil & Grease APHA 5520B 2.0 10 Chemical Oxygen Demand mg/L APHA 5220B 30.6 250 APHA 5210B 9.0 <10 Biological Oxygen Demand (5 days) at 20°C Authorised signatory (Name & Designation) G.Rambabu ENV Manager proponent XI. The project shall Agreed ensure that no natural water We ensured that natural watercourse is not obstructed due to course shall be obstructed due to any mining operation. any mining operations. All the bag filter dust, raw mill Being Complied XII. dust, coal dust, clinker dust and Systems have been designed and installed for recycling and cement dust from pollution control reuse of the dust collected through pollution control devices.

	devices shall be recycled and reused in the process and used for cement manufacturing. Sludge from domestic sources shall be used as manure for green belt development. Waste oil shall be sold to authorized recyclers / preprocessors only.	Similarly, sludge from domestic sources has utilized as manure in green belt development. Waste oil is being sold to APPCB authorized recyclers / preprocessors only. Annual return (Form-4) of waste oil submitted ref. Letter No.: ACL/DCW/ENV/HW/2020-21/139 dt.14.04.2021
XIII.	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.	Provision of use of high calorific hazardous waste in the cement kiln shall be explored.
XIV.	Efforts shall be made to use low- grade lime, more fly ash and solid waste in the cement manufacturing.	We are blending low and high grade Limestone to conserve the natural resources. Fly ash is utilizing for manufacturing PPC.
XV.	Action plan for the mining, management of over burden (removal, storage, disposal etc.), reclamation of the mined out area and mine closure shall be submitted to the Ministry and its Regional Office at Bangalore.	Not applicable, as there is no overburden present in our mine. Limestone is exposed on the surface.
XVI.	The top soil and solid waste shall be stacked separately at specified dumping site with proper safeguards. Top soil shall be used for the plantation / green belt development during reclamation and solid waste for backfilling.	Not applicable, there is no top soil and solid waste in our mine.
kVII.	The over burden (OB), inter burden and other waste generated from mines, if any, shall be stacked at the earmarked dump sites only and should not be kept active for long period. Backfilled OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of reclaimed areas shall continue until the vegetation becomes self-sustaining. Regular compliance shall be submitted to the Ministry and its Regional Office at Bangalore on six monthly basis.	There is no overburden, inter burden and other waste generated in our mine. Limestone is being 100% used for cement manufacturing.
VIII.	The area for external over burden dump shall be reduced by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed 28°.	Not applicable, as there is no over burden in our mine.
XIX.	Garland drains shall be constructed to arrest silt and sediment flows from soil. The water so collected shall be used for watering the mine area, haul roads, green belt development etc. The drains shall be regularly	Drains have been constructed to collect rain water into Mine's pit and used for watering the mine area, haul roads, green belt development etc. The drains shall be maintained properly.

	de-silted and maintained properly.								
XX.	Suitable rainwater harvesting and conservation measures to augment groundwater resources in the area on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board in cement plant and mining area to augment ground water resources and use for dust suppression and horticulture.	Being compli Rainwater is suppression and plant.	being colle on haul ro	ads a	nd blast	ted m	naterial w	vettin	g in mine
XXI.	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and new peizo meters at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central Ground Water Board during the mining operation. The ground water monitoring shall be carried out 4 times in a year i.e. pre-monsoon	Ground water level monitoring has carried out at 4 times in a year and water quality analyzed. Monitoring Report of the same has given below.							
		Ground Water Level Report							
		Location							
ard		Location	Security M Gate		r Villa	-	Village	AIII	Gamala padu Village
		Direction	S		S		NW		SE
		Distance From Plant	-		1.5 K		6.0 Km		5.0 Km
		Bore Well/ Open Well	Bore W		Bore Well	ı	Bore We		Bore Well
	(April-May), monsoon (August),	De	Depth of Water From Ground Level (Meter)						
	post-monsoon (November) and winter (January) and data thus	Date: 10.12.2020	18.4		45.6	5	40.2		25.6
collected shall be regularly sent to the Ministry, its Regional Office at	Date: 18.03.2021	28.5		72.8	3	66.7		42.5	
	Bangalore, Central Ground Water Authority and State Ground Water	Durga Cement Works (A Unit of Andhra Cements Limited)							
	Board, Bangalore.				Test Report				
	Board, Barrigatoro.	Nature of samples : Water Sample received date : 11.03.2021 Sample enalysis date : 11.03.2021 Analysis Completion date Sample analyzed at : In-thouse Laboratory (Captive Power Plant)							
		Location:		Srinagar Village		tamapuram Village	Plant Site near Security Main Gate	Drin	S 10500 king Water
	!	Type of Water:		Village		ell Water	Gate	Stan	dards Limit
		S. No. Paran	neter Unit		Re	suits		Desirable Limit	Permissible limit
		1. pH 2. Condu		7.2	7.5	7.1	7.4	6.5 to 8.5	6.5 to 8.5
		2. Condu		1025	1125	1287	1192	NA 5-10	NA 5-10
		4. Total I	Hardness (mg/l)	307	358	412	369	300	600
		100	m Hardness (mg/l)	148	165	192	176	75 30	200
		6. Hardn 7. TDS	(mg/l)	96 642	725	158	112 754	200	2000
		8. T33	(mg/l)	38	52	62	45	100	100
		9. Alkalir 10. Chlori		116	124 74	147	136	200	1000
		11. Fluorie	1.07	0.75	0.82	0.95	0.75	0.5	1.5
								(Å3	yeard Signature sh Chaudhary) Sr Chemist
XII.	The project proponent shall take appropriate mitigative measures to prevent pollutions of nearby River and other surface water body, if any.	Not applica process/plan							d in o

Deep hole wet drilling sequential We are adopted wet drilling and dust collection system in drilling blasting method shall be adopted and provision for the control air Sequential blasting methods are using to control the charge per emissions during blasting using hole/delay and to minimize the ground vibration, control of fly dust collectors/ extractors etc. rocks, and to minimize the formation of boulders. shall be made. Blasting operation shall be carried out during the We are monitoring the Ground vibration and air over pressure daytime only and one bench at a (Noise) with the help of 'Minimate' instrument and keeping the time shall be blasted. records of the same. mitigative measures for control of ground vibrations and to arrest fly The results are well within the permissible limits specified by rocks and boulders shall be DGMS implemented. 'No objection certificate' the Chief We have obtained no objection certificate from Chief controller from Controller of Explosives shall be of explosives, in form LE-3 for Explosive Possession and Use. obtained. License No:E/HQ/AP/22/93 (E1673)dt.10.08.2020 validity up to dt.31.03.2025. Out of total 141.574 hectare, Cement plant have 49.01 ha of green belt and additional area is XIV. Green belt shall be developed in being covered. Our endeavor to complete the plantation programme in mine at least 36 ha. (25 %) in and around the cement plant as per lease area is affected due to:the CPCB guidelines to mitigate 1) Rocky area the effects of air emissions in 2) Limestone outcrops all over the mine lease area. consultation with local DFO. In 3) Availability of very little area with top soil. Top soil is available mining, out of 170.22 hectare as a thin layer in parts of the lease area. plantation shall be raised in an However, the greenbelt developed in mine lease area during the area of 46.72 ha. By planting the reporting period is tabulated below: Status of Existing Mine Green Belt of Mines native species around mining Total Total Total Tree lease area, over burden dumps, Mines area **Plantation Plantation** Species Planted around water body, roads etc. in (Hectares) (Nos.) area consultation with the local DFO / (Hectares) Agriculture Department. At least, Rain Trees, Ganuga, 1,500 trees per year shall be 170.22 29334 35.35 Punnaga, Teak planted with a tree density of Wood, Seetaphalam, 2,000 trees per ha. An action plan Neem, Banyan Trees shall be submitted in this regard. Period October, 2020 to March, 2021 Tree Plantation (Nos.) 500 The void left unfilled shall be Shall be complied, in accordance of the mine closure plan, after XV. converted into water body. The completion of mining operation. higher benches of excavated void/Mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area. XVI. The project proponent shall take On our request, Forest department, Government of Andhra all precautionary measures during Pradesh has studied the impact of our Cement plant and Mines mining operation for conservation activities on the surrounding reserve forests and have certified and protection of endangered vide their letter no 1510/2015/TO dated 18-12-2015 that there is fauna. Action plan for no effect on the existing Flora and Fauna due to existence of conservation of flora and fauna M/s Andhra Cements Ltd. shall and be prepared implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made

XIII.

KVII.	and the funds so allocated shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional office within 3 months from the date of issue of this letter. A final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of	Agreed. Shall be complied.
	Environment & Forests 5 years in advance of final mine closure for approval.	
₩ 100.	Mechanized open casting shall be adopted and no change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	Agreed. Mechanized open cast mining is adopted and we will take prior approval of MOEF&CC for any change in technology or scope.
XIX.	Consent to Operate shall be obtained from APPCB before starting enhanced production from the mine.	Noted & Agreed.
CXX.	'Permission' of the State Forest Department shall be obtained regarding impact of cement plant and mining activities on the surrounding 6 reserve forests viz. Gamalapadu RF (0.1-0.4 km.), Madinapadu RF (1.2-1.8 km.), Daida RF (4.7-4.9 km.), Saidulnam RF (3.8-5.0 km.). Ravipahad RF (5.3-6.6 km.) and Warivabad RF(6.2-6.8 km) and all the recommendations shall be followed.	The Cement plant and Mines have been running since 1984. There is no report of any adverse impact of cement plant operation and mining activities on the surrounding 6 reserve forests. All the air-monitoring reports are submitted to APPCB, CPCB, MoEF&CC regularly & emissions are within stipulated norms.
XXI.	The company shall obtain necessary clearances / approval from the concerned Departments i.e. Indian Bureau of Mines, State Government, MoEF etc. for the linked mining component before undertaking any construction activity at the project site.	Necessary permissions obtained from IBM. Ref: Letter No. AP /KNL/MP/Lst 9/Hyd. Dt:18.09.2017
KXII.	Rehabilitation and Resettlement Plan for the project-affected population as per the policy of the State Govt. shall be prepared and implemented.	This is an old plant working since 1984, hence no Rehabilitation and Resettlement involved in this Project.
₹ *III.	Acoustic enclosures shall be provided to control noise wherever necessary. Mine machine shall be provided with silencers. Noise shall also be controlled from cooler fans, compressor house, cement mill and raw mill, cement plant and drilling machines, excavator, blasting at mine site using appropriate noise control measures.	All Mining equipments provided with silencers to control noise emissions. Sharp bits is using with wet drilling to reduce noise of drilling machine. Industry has been provided earplug to drill operators. Bottom initiation with the help of shock tubes and use millisecond delay detonators to reduce noise by blasting. Acoustic enclosures provided in the plant area wherever applicable.

XIV.	All the safety norms stipulated by	We are implementing all the safety norms stipulated by DGMS.	
	the Director General, Mine &	we are implementing all the safety horms supulated by Delive.	
	Safety (DGMS) should be		
	implemented.		
B. Ge	eneral Conditions :		
0.	The project authority shall adhere	Noted and Agreed.	
	to the stipulations made by		
	Andhra Pradesh Pollution Control Board (APPCB) and State		
	Board (APPCB) and State Government.		
00.	No further expansion or	Noted and Agreed.	
000	modification of the plant shall be	Noted and Agreed.	
	carried out without prior approval		
	of this Ministry.		
000.	The gaseous and particulate	Being complied	
	matter emissions from various		
	units shall conform to the	Stack emissions are within the norms and inter locking facility	
	standards prescribed by the A.P.	also provided.	
	Pollution Control Board. At no		
	time, the particulate emissions from the cement plant shall		
	exceed APPCB 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		
nn a	automatically.	There (0) was On the Book Time CAAOM stations have been	
IV.	On-line Ambient Air Quality Monitoring station shall be	Three (3) nos. On-line Real Time CAAQM stations have been installed in upwind, downwind and crosswind directions.	
	installed in downwind direction.	Monitoring data is being transmitted to APPCB & CPCB server	
	Ambient Air Quality including		
	Ambient Noise Levels shall not	gate community.	
	exceed the standards stipulated	Ambient Air, Stack Emission & Noise Level Monitoring data is	
	under EPA or by the State	being regularly submitted to APPCB, CPCB & MoEF.	
	authorities. Monitoring of Ambient	Monitoring data are within the stipulated norms of MoEF, CPCB	
	Air Quality and Stack Emissions	& APPCB.	
	shall be carried out regularly in consultation with APPCB and	EC Compliance Report submitted with our ref. Ref.: Letter No.: ACL/DCW/MOEF/2020-21/75 Date: 23.10.2020.	
	report submitted to the APPCB	Nel.: Letter No.: ACL/DOW/WOLT/2020-21/13 Date: 23:10:2020.	
	quarterly and to the Ministry's	Plant is not in Operation since February 2020	
	Regional Office at Bangalore half-	Thank is not in operation since it soldary 2020	
	yearly.		
\mathbb{V} .	The company must harvest the	All the water from the rooftops, storm water drains lead to main	
	rainwater from the rooftops and	drains connecting to the mines water reservoir. The water thus	
	storm water drains to recharge the	collected and utilized for sprinkling and greenbelt development.	
	ground water and use the same		
	water for the various activities of the project to conserve fresh		
	water.		
VI.	The company shall undertake eco	We have taken following initiative for Eco development	
0.00	development measures including	measures including community welfare:	
	community welfare measures in		
	the project area.	1. Green Belt Development:	
		(a) Green belt developed in Plant area, Mines area,	
		colony, plant boundary and both side of all the roads	
		area.	
		2. Water Conservation:	
		(a) Construction of Sewage Treatment Plant for Maintain	
		Zero Waste Water Discharge. Treated water is being	

- utilized for specific purposes such as Plantation, dust suppression etc.
- (b) Installation air-cooled condenser for Captive Power plant, instead of conventional large size Cooling tower.
- (c) Rain water harvesting done in Mine Pits.

3. Solid Waste Management :

- (a) Practicing principle of 2 R's i.e., Reduce & Reuse
- (b) All the waste is segregated & kept on the basis on degradability/recyclability, than accordingly is disposed. Bio -degradable waste collected from township & plant area and composted and the manure utilized for horticulture purpose.
- (c) All the hazarded waste is disposed through the authorized recyclers.
- (d) Maximum possible utilization of Fly ash to manufacture Portland Pozzolona Cement

4. Soil Conservation:

Entire cement plant has been constructed on infertile land purchased from "patta lands" of the nearby residents, which is outside the reserved forest. For construction of plant and facilities in no case top fertile soil has been scarified. Rocky terrain had been leveled off for foundations for P & M, Offices & Buildings without any extraneous matter, with the help of excavator /grader only.

5. Socio-Economic Benefits:

- (a) Indirect employment to entrepreneurs
- (b) Direct employment to local resident
- (c) Growth of local market in terms of consumables (Domestic & Industrial)
- (d) Fulfilling CSR & commitment made.
- (e) Preference to local people for employment
- (f) Rise in living standards

The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) 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 control measures including acoustic hoods, silencers. Enclosures have been provided and Ambient Noise Level Monitoring Report furnished as underneath:

Monitoring responsitionin	Monitoring Report familiance de anacimodur.					
Durga Cement Works (Cement Plant)						
Ambient Noise Level Monitoring Report						
October, 2020 to March, 2021						
Location	1. Color	ny area	2. Near Time Office			
Time	Day	Night	Day	Night		
Concentration	dB(A)Leq					
Maximum	42.3	30.6	40.2	29.8		
Minimum	28.5	22.1	30.6	21.4		
Average	37.8	25.2	36.4	25.6		
Location	3. Crusher area		4. Raw Mill area			
Time	Day	Night	Day	Night		
Concentration	dB(A)Leq			1		
Maximum	34.8	28.3	35.6	27.4		
Minimum	25.2	20.1	26.8	20.8		
Average	29.7	26.1	31.2	25.4		
Location	5. Kiln & Cooler area		6. Coal Mill area			
Time	Day	Night	Day	Night		
Concentration	dB(A)Leq			·		
Maximum	32.5	25.8	31.6	26.3		
Minimum	28.8	19.8	25.9	20.5		
Average	30.7	22.9	28.4	23.3		

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		Location	7. Cement	Mill area	8. Packin	•
		Time	Day	Night	Day	Night
		Concentration	Бау	dB(A)I		INIGHT
		Maximum	33.2	26.9	32.3	27.7
		Minimum	28.4	21.4	29.8	19.8
		Average	30.5	23.8	30.1	24.4
			ment Works (
			Noise Level N			
			ober, 2020 to			
		Location	1. Haulag		2. Drillin	
		Time	Day	Night	Day	Night
		Concentration	00.0	dB(A)l	_	00.0
		Maximum	28.6	22.5	26.6	20.2
		Minimum	20.8 24.7	18.4 20.5	20.4 23.2	18.1 19.6
		Average Location	3. Loadir		4. Mines	
		Time	Day	Night	Day	Night
		Concentration	Day	dB(A)l		Hight
		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
V000.	All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.	Being Complied.				
IX.	Proper housekeeping shall be taken up. Regular annual medical examination of all the employees shall be carried out from the occupational health point of view and records maintained.	Proper housekeeping and Annual Occupational housekeeping and and records	nealth check	up of the e		·
Ж.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Environment manager related management a under the control of Ad	and monitori	ng functior		
XI.	As proposed in EIA/EMP. Rs. 28.00 Crores and Rs. 0.95 Crores earmarked towards the capital cost and recurring cost/annum respectively for environment pollution control measures for the cement plant and Rs. 35.00 Lakhs and Rs. 1.5 Lakhs earmarked towards the capital cost and recurring cost/annum respectively for environment pollution control measures for the mine shall be suitably 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 purpose.	As on date, about Rs. pollution equipments (bag filters). Funds proequipment shall not be	ie RABH, Es ovided for th	SP, Bag H ne mainten	ouse and ance of th	nuisance
XII.	The Regional Office of this Ministry at Bangalore / CPCB / APPCB shall monitor the	Six monthly compliand recent report submitted Letter No. ACL/DCW/N	d with ref.	-	_	•

	d to the state of	
	stipulated conditions. A six	
	monthly compliance report and	
	the monitored data along with	
	statistical Interpretation shall be	
	submitted to them regularly.	
XIII.	The Project Authorities shall	Already Complied.
	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.	
XIV.	The Project Proponent shall	Already Complied.
24008	inform the public that the project	7 meday complica.
	has been accorded environmental	
	clearance by the Ministry and	
	copies of the clearance letter are	
	available with the A. P. Pollution	
	Control Board / Committee and	
	may also be seen at Website of	
	the Ministry of Environment and	
	Forests at http:/envfor.nic.in. This	
	should 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 shall be	
	forwarded to the Regional office at	
	Bangalore.	