

Date: 06.01.2020

To
The Environmental Engineer
A.P. Pollution Control Board
Regional Office,
D.No, 4-5-4/5C
4th line, 3rd Cross
Navabharat Nagar
G U N T U R - 522006

Respected Sir,

Sub: APPCB -Regional Office, Guntur - Environmental Clearance under the provisions of EIA Notification, 2006 - CFE & CFO of the APPCB - Half Yearly Compliance Reports -reg.

Ref: 1. Board office Lr. No. 38APPCB/EC/Compliance Report/2019-548.
2. Board Office mail dated received on 20.09.2019.

Ref: 1. Consent Order No.APPCB/VJA/GTR/748/HO/CFO/2015-3578 Dated 22.08.2015
(Cement Plant)
2. Consent Order No. APPCB/VJA/GTR/748/HO/CFO/2018- Dated 17.09.2018
(Waste Heat Recovery Power Plant)

With reference to the above subject, we are here with submitting condition wise compliance report for the period of JULY'2019 to DECEMBER'2019.

This is for your kind information and records please.

Thanking you Sir,

Yours faithfully,

For PARASAKTI CEMENT INDUSTRIES LIMITED,



A.SAMBASIVA RAO
Sr.VICE PRESIDENT (WORKS)



PARASAKTI CEMENT INDUSTRIES LIMITED

Consent for Operation Compliance Report from July - 2019 to December - 2019

Compliance Statement For Consent for Operation of Cement Plant

Consent order No. APPCB/VJA/GTR/748/HO/CFO/2015-3578 dated 22.08.2015	
CONDITIONS	COMPLIANCE STATUS
SCHEDULE – A : All the conditions as per Consent order No. APPCB/VJA/GTR/748/HO/CFO/2015-3578 22.08.2015	
1. The applicant shall 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 for obtaining consent & HW Authorization of the Board. Along with detailed compliance to the conditions stipulated in the CFO and HWA. 2.	Applying for CFO as per the PCB Norms.
3. All the conditions stipulated In the Schedule-A of the earlier combined CFO & HWA order No: APPCB/VJA/GNR/748/HO/CFO/2008-2291, dated:18.11.2008 remains same. The industry shall ensure consistent compliance of each condition of Schedule-A. 4.	The conditions stipulated in earlier CFO are Complied.
5. 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 such authority (hereinafter referred to as the 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. 6.	Will be abided by the orders of the Board
4. The industry shall comply with the all the directions issued by the Board from time to time.	The directions issued by the board will be Complied.
5. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in this interest of protection of public health and environment.	Any other conditions stipulated will be Complied.
6. The industry may explore the possibility of tapping the solar energy for their energy requirements.	At Some locations, solar lights are provided.

SCHEDULE - B

CONDITIONS			COMPLIANCE STATUS
1. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below.			The effluents generated are only from Domestic purposes which are treated in STP. The treated effluent quality is monitored regularly from MoEF recognized 3rd party and the parameters are well below the stipulated limits. The reports of the same are regularly submitted to APPCB.
Outlet	Parameter No.	Limiting Standards	
1	PH	5.5 – 9.0	
	Total Suspended Solids (TSS at 103 – 105 0c)	200.0 mg/l	
	Oil and Grease	10.0 mg/l	
	Biochemical Oxygen Demand (BOD _{3days} at 27°C)	100.0 mg/l	
2. The industry shall file the water cess returns in Form-1 as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5 th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.			Water Cess returns are submitted in Form-I providing the details of water consumption. Water cess payment is done as and when we are receiving the assessment orders.
3. The industry shall take steps to reduce water consumption to the extent possible and consumption should NOT exceed the quantities mentioned below			
S. No	Purpose	Quantity	Control measures are adopted for minimizing the water consumption & the water consumption is below the stipulated limits.
1	Process	265.0 KLD	
2	Washings		
3	Boiler feed		
4	Industrial Cooling(make up)		
5	Domestic	120 KLD	
	Total	385 KLD	
4. The industry shall provide separate water meters with necessary pipeline for assessing the quantity of water used for each of the purposes mentioned below. <ul style="list-style-type: none"> a. Industrial cooling, boiler feed b. Domestic purposes c. Processing, where by water gets polluted and pollutants are easily biodegradable. d. Processing, where by water gets polluted and pollutants are not easily biodegradable. 			Provided
5. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.			Online CEMS installed for monitoring the stack emissions real time and connected to PCB website. Additionally 3rd party monitoring is also carried out on monthly basis and the values are well below the stipulated norms. The reports of the same are regularly submitted to APPCB. All the emissions are within the limits
Chimney No.	Parameter	Emission Standards	
1 to 23	Particulate matter	50 mg/Nm ³	
6. The industry shall comply with rules notified by the MoEFCC, Gol in the GSR 612 (E) Dt. 25.08.2014 as stipulated in Environment (protection) (Fifth			Complied

Amendment) Rules,2014 as applicable.	
7. The industry shall comply with emission limits for DG sets of capacity 800KW 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 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.	We will follow the directions.
8. The industry shall comply with ambient air quality standards of PM10 (Particulate matter size less than 10 µm)-100 ug/m ³ ; PM _{2.5} (Particulate matter size less than 2.5 µm)-60 ug/m ³ ; SO ₂ –80 ug/m ³ . NO _x –80 ug/m ³ outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009. Noise Levels: Day time(6 AM to 10 PM) –75 dB (A) Night time (10 PM to 6 AM) – 70 dB (A)	Ambient Air Quality & Noise monitoring is carried out by deputing MoEF recognized external agency and the monitoring Reports are regularly submitted to APPCB. The AAQ values are well below the stipulated limits of NAAQs.
8. The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.	We will not increase the capacity beyond the permitted capacity without obtaining CFE/CFO of the board.
10. The industry shall operate Sewage Treatment Plant for treatment of domestic effluents and report the compliance to RO, Guntur.	Complied
11. The industry shall provide separate water meters with necessary pipeline for assessing the quantity of water used for each of the purposes mentioned below. a. Industrial cooling, boiler feed. b. Domestic Purposes c. Processing, whereby water gets polluted and pollutants are easily biodegradable. d. Processing, whereby water gets polluted and pollutants are not easily biodegradable.	Provided and data is being submitting to the board
12. The industry shall achieve and maintain continual compliance of Load based norm of 227 gm/T of feed as per EC dated 23.08.2002. The industry shall carry out performance evaluation of pollution control equipment provided at each emission source for the present load and shall furnish plan of action to achieve compliance of the above prescribed load based norm within three months.	Load based norm is being complied and for the period Jan'19 to dec'19 it is 115.60 gms/T of feed. All the Pollution control equipment Information is furnished to the board it is 115.60 gms/T of feed. All the Pollution control equipment Information is furnished to the board.
13 The industry shall ensure compliance of AAQ and emission standards in the order continuously.	Being followed

<p>14. The industry shall maintain green belt in an extent of 108 acres in mine site, cement plant & town ship. Bio indicator plants shall be planted along the boundary of the industry. Green belt shall be developed in vacant places.</p>	<p>Green belt development is already in progress in the cement plant area, residential colony, around mines lease area and along the haul road and precautions taken for survival of saplings planted through drip irrigation.</p>
<p>15. The industry shall maintain continuous online SPM monitor intact with recording facility for continuous monitoring of kiln stack gases and shall regularly undertake calibration of the same. The details of the calibration schedule and consolidated online monitoring data shall be submitted to R.O. Guntur for every three months.</p>	<p>Complied.</p>
<p>16. The industry shall provide SO₂ and NO₂ analyzers to kiln and raw mill stacks for Line-I & Line-II by September-2015 As committed and report compliance to R.O Guntur</p>	<p>Provided and data is being submitting to the board</p>
<p>17. The industry shall maintain interlocking facility between APC equipment and raw material feeding system to regulate the feeding of raw material into the kiln, so that feeding of raw materials would stop automatically in case the air pollution control equipment fails. The industry shall regularly calibrate the performance of the interlocking system and furnish report to the board.</p>	<p>Proper interlocking system is provided for air pollution control equipment's to avoid fugitive emission in case of failure.</p>
<p>18. The industry shall furnish the details of fly ash brought from nearby Coal based Thermal Plants and quantity of fly ash consumed per each ton of product, inventory of fly ash at onsite along with details of measures implemented to mitigate fugitive emissions at various transfers to RO Guntur for every three months.</p>	<p>Furnishing</p>
<p>19. The industry shall provide adequate dust collection and extraction system to control fugitive emissions at various transfer points and the dust collected from pollution control equipment shall be recycled back into the process. The compliance status shall be reported to RO, Guntur within a month.</p>	<p>Bag filters are installed at all transfer points, raw material for controlling of fugitive emissions and the collected dust recycled back in the process and complied to PCB RO</p>
<p>20. The industry shall provide the water sprinkling up to crusher hopper located in the plant from main gate.</p>	<p>We have provided permanent water sprinkling system from plant main gate to crusher hopper.</p>
<p>21. The industry shall handover the original Consent order No. APPCB/VJA/GNR/748/CFO/HO/2010-2933, dated: 01.10.2012, having validity up to 31.10.2015, to the RO, Vijayawada after Receipt of this order. The earlier CFO order dated 01.10.2012 stands cancelled from the date of this order.</p>	<p>--</p>
<p>22. The applicant shall setup THREE Ambient Air Quality Monitoring stations for monitoring of relevant critical parameters mentioned in condition No 4 as per the CPCB guidelines and submit monthly reports. One ambient air quality monitoring shall be setup in the down wind direction in consultation with RO, APPCB, Guntur.</p>	<p>AAQM stations are Set up</p>

23. The industry shall comply with Task Force directions issued by Board from time to time.	Complied
24. The applicant shall submit environment statement in Form V before 30 th September of every year as per Rule no 14 of E(P) rules, 1986 & amendments.	We are submitting Environment Statement in Form V every Year before 30 th September.
25. The conditions are without prejudice to the rights and contentions of this Board in any Hon'ble court of law.	Shall be Complied

Schedule C
Conditions of Authorization for Occupier or Operator Handling Hazardous wastes.

1. The Industry shall give up top priority for waste minimization and cleaner production practices.	Top priority is given for waste minimization and cleaner production practices
2. The industry shall not store hazardous waste for more than 90 days as per Hazardous Wastes (Management, Handling, and Trans boundary movement) Rules 2008 and amendments thereof.	No hazardous waste is stored for more than 90 days at site.
3. The industry shall store used/waste oil and used lead acid batteries in a secured way in their premises till its disposal.	Used Oil/waste Oil and Used lead acid batteries are stored in hazardous waste storage Area.
4. The industry shall not dispose waste oils to the traders and the same shall be disposed to the authorized Re processors /Recyclers.	Used Oil/waste Oil and Used lead acid batteries are disposed off to APPCB authorized recycler.
5. The industry shall dispose Used Lead Acid Batteries to the manufacturers/dealers on buy back basis.	Used lead acid batteries are disposed off to APPCB authorized parties only.
6. The industry shall not take necessary practical steps to prevention of oil spillages and carryover of oil from the premises.	Necessary precaution measures are adopted for containing oil spillages.
7. The Industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to Board Office and concerned Regional Office.	6 copy manifest system is in practice.
8. The Industry shall maintain good housekeeping and maintain proper records for Hazardous wastes stated in Authorization.	Maintaining good housekeeping and maintaining the records
9. The industry shall maintain proper records for Hazardous Wastes stated in Authorization in FORM -3 i.e., quantity of incinerable waste , land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 22(2) of the Hazardous Wastes (Management, Handling & Trans boundary Movement) Rules, 2008 and amendments thereof.	Hazardous waste returns are maintained in Form-3 and annual returns are submitted accordingly.
10. The Industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this order on half yearly basis to Board Office, Vijayawada and concerned Regional Office and the copy marked to the Board Office.	Condition wise compliance status of the CFO submitted accordingly.
11. The industry shall dispose of e-waste to the authorized recyclers only.	E-waste, if any generated shall be disposed to authorized recyclers only.

PARSAKTI CEMENT INDUSTRIES LIMITED

Consent for Operation Compliance Report from July-2019 to December-2019

Compliance Statement for Consent for Operation of WHRS Plant

Consent order No. APPCB/VJA/GTR/748/HO/CFO/2018 dated 17.09.2018

Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of Emissions per hour from the Chimneys as detailed below.

(i) Outlets for discharge of effluents:

				COMPLIANCE
1. The source of water is Ground Water / Krishna River. The maximum permitted water consumption after installation of WHRPP is as following.				The effluents generated from WHRPP are stored on 'N' pit tank treated water is used for dust suppression. Domestic effluents are treated in STP and used for greenbelt development.
S.No	Outlet Description	Max Daily Discharge	Point of Disposal	
1	Process & Washings	317.0 KLD	Shall be collected into a tank and utilized for green belt development & dust suppression in the plant premises	
2	Boiler Feed & Industrial Cooling (make up)			
3	Domestic Including Plant, Greenbelt & Township	20.0 KLD	After treatment in STP, the treated sewage shall be utilized for green belt development, fugitive dust suppression and in the raw mill section.	
ii) Emissions from chimneys:				Stacks emissions are within the limits. Stack emission are maintained below the statutory limits.
Chimney No.	Description of Chimney			
1	Stack attached to Pre-heater (PH) Boiler – 11.8 TPH			
2	Stack attached to Air quenching cooler (AQC) Boiler – 29.2 TPH			
This consent order is valid for power generation of following capacity only.				We are utilizing the waste heat gases from preheater and quenching cooler and generating the power within the capacity.
S. No	Activity	Capacity		
1	Electricity (WHRPP using waste heat gases from pre-heater & air quenching cooler)	6.85 MW		

CONDITIONS	COMPLIANCE
SCHEDULE – A : All the conditions as per Consent order No. APPCB/VJA/GTR/748/HO/CFO/2018- dated 17.09.2018	
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.	Will be followed in case of such conditions
2. 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.	Shall be followed
3. The applicant 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 followed
4. Notwithstanding anything contained in this 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.	Will be abided by the orders of the Board
5. 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.	We are being followed Environment Statement report in Form-V is regularly submitted to PCB. Last Statement report was submitted dated: 26.09.2018.
6. The applicant should make applications through Online for renewal of Consent (underwater and Air Acts) 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 for operation of the Board.	Will be followed
7. 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.	Will be followed
8. 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.	--

SCHEDULE - B

WATER POLLUTION:			COMPLIANCE
2. The source of water is Ground Water / Krishna River. The maximum permitted water consumption after installation of WHRPP is as following.			Control measures are adopted for minimizing the water consumption & the water consumption is below the stipulated limits.
S.No	Purpose	Quantity	
1	Boiler Feed	1440 KLD	
2	Industrial Cooling (makeup)		
3	Domestic include township Potable water in Plant	40.0 KLD	
4	Total:	1480.0 KLD	
2. The industry shall provide Separate flow meters with totaliser for assessing the quantity of water used for each of the purposes mentioned above within one month.			Provided Water flow meters provided and the details of Monthly water consumption are regularly submitted to PCB.
3. The industry shall comply the following standards based on the disposal points permitted:			The effluents generated from Domestic water. which are treated in STP. The treated effluent quality is monitored regularly from MoEF recognized 3rd party and the parameters are well below the stipulated limits. The reports of the same are regularly submitted to APPCB.
Outlet No	Parameter	Limiting Standards	
1,2 & 3	pH	5.5 – 9.0	
	Suspended Solids	200 mg/l	
	BOD	100 mg/l	
	Oil and Grease	10 mg/l	
AIR POLLUTION: 4. The emissions shall comply with the standards mentioned below in respect of existing cement plant:			Stack emissions are connected to inline system. The stack emissions monitoring are carried out by external agency in every month and the reports are regularly being submitted to PCB.
Cement Plant (without co-processing)	Parameter	Emission Standards	
	Particulate Matter (PM)	30 mg/Nm ³	
	SO ₂	100,700 and 1000 when pyritic Sulphur in the limestone is less than 0.25%, 0.25 to 0.5% and more than 0.5% respectively.	
	NO _X	1. 800 for rotary kiln with In Line Calciner (ILC) technology 2. 1000 for rotary kiln using mixed stream of ILC, Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or without Calciner.	

<p>5. The applicant shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 microns) - 100 micro grams/ m³; PM2.5 (Particulate Matter size less than 2.5 microns) - 60 micro grams/ m³; SO₂ - 80 micro grams/ m³; NO_x - 80 micro Grams/m³, outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009. Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A) Night time (10 PM to 6 AM) - 70 dB (A)</p>	<p>Online AAQM stations are installed in two locations and connected to APPCB and CPCB and prescribed limits. Reports are submitted to PCB on regular basis.</p>
<p>6. The noise levels in and around the plant shall be kept well within the above standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc., on all sources of noise generation.</p>	<p>Complying as per standards</p>
<p>GENERAL 7. The applicant shall not increase the power generation beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.</p>	<p>Being followed and generate the power within the limit as Per CFO and CFE.</p>
<p>8. The industry shall provide closed sheds of adequate capacity to store coal & other dusty raw materials under roof and shall provide MDSS to contain fugitive dust emissions from transit storage of these raw materials.</p>	<p>Sheds are provided for using the raw materials and followed the PCB guidelines.</p>
<p>9. The industry shall complete the construction of extension of coal shed by the end of October, 2018 and submit the compliance report to the EE, RO Guntur.</p>	<p>Completed</p>
<p>10. The industry shall not stock the raw materials in open place. All the raw materials shall be stored in the sheds.</p>	<p>Being Followed Provide details of all sheds</p>
<p>11. The industry shall regularly operate the water sprinklers provided along the roads to control the fugitive dust emissions.</p>	<p>Provided water sprinklers along the roads and yards and regularly using for dust surplus</p>
<p>12. The industry shall ensure regular maintenance and operation of the on-line stack emission monitoring systems (8 nos.) provided for the major stacks attached to Kiln I &II, Cooler- I &II, Coal Mill- I &II and Cement Mill- I &II and 2 nos. of AAQM stations with tamper proof mechanism having facilities for online calibration.</p>	<p>The monitoring data is continuously uploaded to APPCB and CPCB websites and having online facility.</p>
<p>13. The industry shall comply with the conditions stipulated in the CFO& HWA order dt.22.08.2015 issued by the Board for the existing cement plant.</p>	<p>Being Followed</p>
<p>14. The industry shall submit compliance report on the conditions mentioned in the consent order every 6 months to the Regional Office/Zonal Office</p>	<p>Being Followed. Last report submitted dated: 22.11.2018.</p>
<p>15. The industry shall develop and maintain green belt in an area of 33% of the total area and shall take proper measures for survival of the saplings planted.</p>	<p>We are having 33% of Green belt area and maintaining the dip system for survival plants.</p>