



Penna Cement Industries Limited.

Ref: PCIL/BRP/2020-21

Date: 22.07.2020

To
The Member Secretary,
M/s A.P. Pollution Control Board,
D.No. 33-26-14 D/2, Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet,
VIJAYAWADA- 520 010
Email: unit2-jcee@appcb.gov.in

Sir,

Sub: CFO six months Compliance report -reg.

With reference to above subject cited that we are here with enclosed six months compliance report of Order no: APPCB/ KNL/ATP/97/HO/CFO/2019 dated 19.08.2019 for your information and records Please.

Thanking you sir,

Yours faithfully

For Penna Cement Industries Limited


(T. Harinath Reddy)
Plant Head

Encl: as above

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CIN NO. - U26942AP1991PLC013359

Compliance report of consent Order for Operations Order No. APPCB/KNL/ATP/97/HO/CFO/ 2019- dated:19.08.2019

SCHEDULE - A

1	Any upset conditions in any industrial plant/ activity of the industry, which result in, increased effluent / emission discharge and violation of stipulated in this order shall be informed to this Board for taking immediate action to bring down the discharge / emission below the limits and the same way be initiated to the collector and district magistrate. Ans: We should follow the Board orders.
2	The industry shall carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.(Only for red category) Ans: We have carried out the discharge of effluents on regularly with third party and the same was submitted to the board regularly.
3	All the rules and regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act.1991 should be followed as applicable. Ans: We should follow the Board orders and Public Liability Insurance if applicable.
4	The industry shall put up two sign boards (6X4 ft each)at publicly visible places at the main gate indicating the products,effluents discharges standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit CFO order at prominent place in the factory premises. Ans: The sign boards are displayed out the outside of the plant main gate displayed required parameters and CFO also exhibited in the time office.
5	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. Ans: We should obey the Board Orders.
6	The applicant shall submit Environmental statement in Form -V before 30 th September every year as per Rule No.14 of E (P) Rules,1986 and amendments thereof. Ans: We have submitting Form-V regularly within time.
7	The applicant shall make applications through online for renewal of consent (under Water and Air Acts) and Authorisation under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Act and detailed compliance of CFO conditions for obtaining consent & HW Authorisation 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 materials used, processes employed, quantity of trade effluents and quantity if emissions, Any change in the management shall be informed to the Board. The person authorised shall not let out the Premises / lens / sell/ transfer their industrial premises without obtaining permission of the state Pollution Control Board. Ans: We will follow the same above and if any changes made given intimation to the Board immediately.
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 Act 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. Ans: We shall followed the Board orders.



SCHEDULE - B

1	The industry is permitted to use Pet Coke 0.40 MTPA as a feed stock or in the manufacturing process in the cement kiln.		
	Ans: We are assured to maintain within Pet coke quantity of 0.4 MTPA		
2	The industry shall furnish opening and closing stocks of pet coke along with quantity of pet coke consumption during the month to Board on quarterly basis.		
	Ans: We are submitting the quantities of pet coke month wise on quarterly basis.		
WATER:			
3	The source of water is mine pit/ Bore well. The following is the permitted water consumption:		
	S.No	Purpose	Quantity
	1	Process	800 KLD
	2	Industrial cooling (makeup)/ Humidification/Water spraying	543 KLD
	3	Saftner / DM Plant/ RO plant	37 KLD
	4	Domestic	230 KLD
		Total	1610 KLD
	Ans: We are consuming water quantities are within the above limits.		
4	Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.		
	Ans: Separate water meters are provided for assessing the water quantity for each purpose.		
5	The effluent discharged should not contain constituents in excess of the tolerance limits mentioned below:		
	Outlet No	Parameters No.	Limiting Standards
	3	PH	5.5 -9.0
		Suspended Solids	200 mg/l
		Oil and Grease	10 mg/l
		BOD	20 mg/l
	Ans: The reject water from Saftner and DM plant is collected in neutralising pit and the same neutralised than pumping into STP.		
6	Under no circumstances the waste water shall be discharged outside the factory premises. The zero discharge shall be implemented.		
	Ans: We are assuring that we have maintaining Zero discharge from plant.		
7	The Sewage shall be treated to the on land for irrigation standards, stipulated under Environment(Protection) Rules,1986, notified and published by Ministry of Environment and Forest, Government of India as specified in schedule VI vide GSR 433(E) dt,19.05.1993 and amendments thereof.		
	Ans: Our sewage treatment plant functioning efficiently and treated water utilising for on land irrigation for green belt development through drip irrigation.		



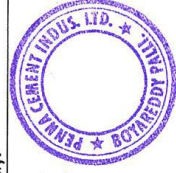
AIR:

8	The noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc., on all sources of noise generation. Ans: The noise levels in and around the plant is within stipulated values and initiated noise control measures like enclosures, acoustic hoods and silencers.		
9	The industry maintain 25% additional capacity of bag filters and ESPs. Ans: All the bag filters and ESP's are having more than 25% additional capacities.		
10	The emissions should not contain constituents in excess of the prescribed limits mentioned below:		
	Chimney No.	Parameter	Emissions 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 0.50% and more than 0.50% respectively.
	1 to 6	Nox	1. 800 for rotary kiln with inline calciner (ILC) technology. 2. 100 for Rotary kiln using mixed stream of ILC, Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or with out Calciner.
		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 0.50% and more than 0.50% respectively.
	8 to 13	Nox	600 mg/Nm ³
	** Particulate Matter from rawmill, kiln and pre-calciner system put together shall not exceed 0.125 Kg/Tonne of clinker		
	Ans: All the stacks are maintained within stipulated values and the same values are up loaded to APPCB / CPCB web servers.		
11	The industry shall comply with standards as notified by the MoEF & CC, Gol vide GSR no.612(E) dated 25.08.2014 and GSR No.496(E) dated 09.05.2016. Ans: The industry is complying with standards as notified the MoEF & CC, Gol vide GSR no.612(E) dated 25.08.2014 and GSR No.496(E) dated 09.05.2016		
12	The proponent shall provide interlocking system for air pollution control equipments provided with raw materials feeding system so that the feeding of raw material would be stopped in casethe air pollution control equipment fails. Ans: Provided inter locking systems for all Process Bagfilters, Rawmaterial transfer points bagfilters and ESPs.		
13	The industry shall provide concrete roads in the plant and water shall be sprinkled on the roads periodically to control the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads. Ans: provided concrete roads in and around the plant and sprinkling water on roads to control the fugitive dust emissions. The roads are cleaned by road sweeping machines.		



14	The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoEF & CC, GoI vide notification No. GSR 826(E), dated. 16.11.2009, during construction and regular operational phase of the project.
15	Ans: we should follow and comply the National Ambient Air quality standards notified by MoEF & CC, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during the operations. The industry shall provide continuous stack emission monitoring system for all the major stacks and the data generated shall be net worked with APPCB and CPCB for web display as per CPCB directions. Ans: We have installed 5 online stack emission monitors in line-1 the data generated networked with APPCB and CPCB for web display and procured 3 monitors for line-2 and same to be installed. The equipments are received for Line-2 and waiting for installation Engineer. (Due to Carona virus it is getting delayed.) 16 The industry shall comply with ambient air quality standards of PM10(particulate matter size less than 10 mm)-100 mg/m3, PM2.5(Particulate matter size less than 2.5mm)-60 mg/m3; SO2 - 80 mg/m3; NOx - 80 mg/m3, out side 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-29016/20/90PCI-I dated 18.11.2009. Noise levels: Day time (6.00 AM to 10 PM) -75 dB(A), Night time (10.. PM to 6.00 AM) -70 dB(A). Ans: Provided 2 nos of online AAQMS stations in one number downwind direction and another one in the direction of Up wind direction with measuring PM10, PM2.5, SOx, and NOx. one new AAQM station also received to be installed, waiting for installation Engineer, regular house keeping in all sections, Regularly roads sweeping, regularly spraying water on roads and maintaining within stipulated values of fugitive dust emissions. Noise levels are within stipulated value in day and night times. 17 The industry shall comply with emission limits for DG sets capacity upto 800 KW as per the Notification GSR.520(E), dated 01.07.2003 under the Environment(Protection) Amendment Rules, 2003 and GSR 448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG set capacity more than 800 KW shall comply with emission limits as per the Notification GSR.489(E), dated 09.07.2002 at serial no.96, under the Environmental (Protection) Act, 1986.
	Ans: The industry installed 1000 KW DG set and followed complied with limits as per the Notification GSR.489(E), dated 09.07.2002 at serial no.96, under the Environmental (Protection) Act, 1986 SOLID WASTE:

18 The industry shall dispose solid waste (Non Hazardous) as follows:			
S.No	Name of Solid Waste	Quantity	Disposal
1	STP Sludge	16 TPA	Used as a manure in the premises
2	Process(Dust from Bag filter and ESP)	2200 TPD	Reused in the process.
Ans: Followed the above			
19			
All the bag filter dust, rawmeal dust, coal dust, clinker dust and cement dust from pollution control devices shall be 100% recycled and reused in the process and used for cement manufacturing. Solid waste from sewage treatment plant(STP) shall be used as manure. No solid waste shall be disposed off from the cement plant. Spent oil, Grease and Grinding media shall be disposed to licensed vendors.			
Ans: Generated STP Sludge used as a manure for plantation and dust from bagfilters and ESPs are 100% recycling system provided. The spent oil and Grease are fired in the kiln along with fuels and Grinding media scrap to be disposed to licensed vendors only.			



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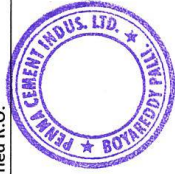
GENERAL:

20	The industry shall maintain RWH structure on the available up-stream portion of the plant site. Ans: We have constructed 14 RWH structures in up-stream and desilted old formpond with check dam at NE side, Provided Water reservoir for rain water collection, We have constructed check dam nearchintalapalli village and desilted and hight increased in Kundanakota villege.
21	The industry shall not stack the rawmaterials in open place. All the rawmaterials shall be stored in the sheds. Ans: All the raw materials are stored in the shed and if any excess stocks out side raw materials yards are under the torpholein cover .
22	The industry shall procure another sweeping machine in addition to existing two sweeping machines for regular cleaning of the internal roads within 3 months. Ans: The machine was ordered and same to be received.
23	The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board: a. Daily production details. b. Quality Effluents generated, treated, recycled/reused and disposal. c. Log Books for pollution controls system. d. Characteristics of ambient air, effluents and emissions. e. Hazardous/non hazardous solid waste generated and disposal. f. Inspection book. g. Manifestcopies of hazardous waste.
24	Ans: All the records are maintained and we should show to the Officer at the time of inspection. The existing green belt already developed in 33 acres shall not be disturbed due to the proposed activity. The industry shall develop green belt in another 17 acres so that the total area of the green belt not be less than 33% of the total project area.
25	Ans: Green belt completed 18 Ha.s and remaining 2 Ha.s is under progress. The industry shall comply with standards and directions issued by CPCB/ MoEF & CC as and when notifications are issued.
26	Ans: We should follow the directions issued by CPCB/ MoEF & CC as and when notifications are issued. The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st January and July of every year to the Regional Office/Zonal Office, failing which action will be initiated against industry.
	Ans: compliance report on the conditions mentioned in the consent Order will be submittes within time.



SCHEDULE - C

1	The authorised person shall comply with the provisions of Environment (Protection) Act, 1986, and the rules made there under. We should followed.
2	The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board. We should followed.
3	The person authorised shall not rent, lend, sell, transfer of otherwise transport hazardous and other wastes except what is permitted through this authorisation. We should followed.
4	Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation. We should followed.
5	The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time. We have conducting mock drills on regular basis by the safety officer and conducting tool box meetings regularly on safety and environment.
6	The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and disposal of Hazardous Waste and Penalty". We obey the board orders.
7	It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility. We should followed.
8	The hazardous and other waste which gets generated during the recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other waste shall be treated and disposed of as per specific conditions of authorisation. No waste generation from in the cement manufacturing and if any rejects it should be recycled in the system within the time.
9	An application for renewal of an authorisation shall be made as laid down under these rules. We obey the board orders.
10	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change of Central Pollution Control Board from time to time. Ans: We obey and follow the Board orders from time to time.
11	Annual return shall be filled by June 30th for the ensuring 31 st March of the year. Ans: Annual return filling will be followed as per above.
12	The industry shall not store hazardous waste for more than 90 days as epr the Hazardous and Other Waste(Management & Transboundary Movement) Rules, 2016.) Ans: We are not storing not more than 90 days as epr the Hazardous and Other Waste(Management & Transboundary Movement) Rules, 2016.)
13	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in the secured way in their premises till its disposal to the manufacturers / dealers on by back basis. Ans: We are storing separate secured place in the stores.
14	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should be carry a Transport Emergency (TREM) Card. Ans: Adopted above the system and submitting to Concerned R.O.



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