

CONSENT & HWA ORDER (RENEWAL)
RED CATEGORY

Consent Order No : 220823469083

Date:23.02.2022

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules 2008 & Amendments thereof).

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, and Authorisation under the provisions of HW (MH & TM) Rules, 2008 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under to **M/s. Penna Cement Industries Ltd (Plant), Sy. No. 53, 54, 56, 57 & 62, Belkatur (V), Tandur(M), Rangareddy District** (hereinafter referred to as 'the Applicant /Industry') and the industry is authorized to operate the industrial plant to discharge the Effluents from the outlets and the quantity of Emissions per hour from the chimneys, by operating pollution control equipment, as detailed below,

i) Out lets for discharge of Effluents:

Outlet No.	Description of Outlet	Max Daily Discharge in KLD	Point of Disposal
1.	Domestic effluents	90	After treatment in STP, shall be used on land for gardening after meeting the standards stipulated at Schedule –B.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney
1.	Attached to Raw mill/Kiln of capacity 300 TPH /200 TPH
2.	Attached to Clinker Cooler - 200 TPH
3.	Attached to Coal mill – 30 TPH
4.	Attached to Cement Mill -250 TPH
5.	Attached to Slag grinding Mill - 250 TPH
6.	Attached to Lime stone weight feeder
7.	Attached to Raw material storage silo
8.	Attached to Raw meal blending silo
9.	Attached to Raw Coal Hoper
10.	Attached to Clinker Silo
11.	Attached to Clinker transport to cement mill
12.	Attached to Cement Silo -I
13.	Attached to Cement Silo -II
14.	Attached to Packing Machine -I
15.	Attached to Packing Machine -II

iii) HWA Authorisation No. 220823469083

Date:23.02.2022

HAZARDOUS WASTE AUTHORISATION
(FORM – II)
[See Rule 6 (2)]

M/s Penna Cement Industries Ltd (Plant), Sy. No. 53, 54, 56, 57 & 62, Belkatur (V), Tandur(M), Rangareddy District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

- Hazardous wastes with recycling / disposal option:

S. No	Name of the Hazardous Waste	Stream	Quantity	Disposal option
1	Used oil & sludge	5.1 of Schedule – I	6 KLPA	Shall be disposed to Authorised re-processors / Recyclers or should be burnt in the kiln
2	Waste Grease	5.2 of Schedule – I	4.5 TPA	Should be used for conveyors (or) shall be sent to TSDF.

This consent order is valid for manufacture of the products along with quantities as mentioned below only.

S.No	Product	Quantity
1.	Clinker	1.5 MTPA
2.	Cement (OPC/PPC/PSC)	2.0 MTPA

*The cement production is inclusive of 1.5 MTPA of clinker production.

**permitted for usage of imported petcoke of 1.0 lakh TPA in cement kiln.

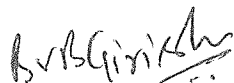
This order is subject to the provisions of 'the Acts' and the Rules' and amendments made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This order of Consents and Authorization is valid for a period upto 28th day of February, 2027.

Sd/-
MEMBER SECRETARY

To
M/s Penna Cement Industries Ltd (Plant),
Sy. No. 53, 54, 56, 57 & 62, Belkatur (V),
Tandur(M), Rangareddy District

///T.C.F.B.O///



 SENIOR ENVIRONMENTAL ENGINEER (FAC)

SCHEDULE – A

1. The applicant shall make applications through online for renewal of Consent (under Water & 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 Acts for obtaining Consent & HW Authorisation of the Board. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: <http://tspcb.cgq.gov.in/Pages/Circulars.aspx>).
2. This order is issued in line with Board's CFO & HWA order dt. 19.06.2017 and CFO & HWA amendment order dt. 27.01.2020. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts. The industry shall comply with all other conditions of CFO & HWA order dt. 19.06.2017 and CFO & HWA amendment order dt. 27.01.2020 are still applicable.
3. 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.
4. The facility may explore the possibility of tapping the solar energy for their energy requirements.
5. The industry shall comply with the all the directions issued by the Board from time to time.
6. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

SCHEDULE - B

1. Total fresh Water Consumption shall not exceed 400 KLD.

S.No	Purpose	Quantity in KLD
1.	Process (dust suppression)	250
2	Industrial Cooling	50
3	Domestic (Plant & Colony)	100
	Total	400

2. The effluent discharged should not contain constituents in excess of the tolerance limits prescribed below.

Service waste water (without co-processing wastes):-

All efforts shall be made by the industry for 'Zero discharge' of service wastewater and in case, the industry prefers to discharge service wastewater, the following norms shall be complied with:

Outlet No.	Parameter	Standards
1	pH	5.5 – 9.0
	Total Suspended Solids (TSS at 103 – 1050C)	100 mg/l
	Total Dissolved Solids (TDS)	2100 mg/l
	Oil & Grease	10 mg/l
	Chemical Oxygen Demand (COD)	250 mg/l
	Biochemical Oxygen Demand (BOD3 days at 270C)	100 mg/l
	Temperature	Not more than 5oc higher than the intake

		water temperature
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Storm Water

- i. Storm-water shall not be allowed to mix with effluent, treated sewage, scrubber water and or floor washings.
 - ii. Storm-water within factory limits of industry shall be channelized through separate drain(s) as per natural gradient passing through high density polyethylene lined pits each having holding capacity of 10 minutes (Hourly average) of rain fall for its catchment area.
3. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

Chimney No.	Description of Chimney	Parameter	Emission standards
1 to 15	Attached to Raw mill/Kiln of capacity 300 TPH /200 TPH	Particulate Matter	30 mg/Nm ³
		Sulphur Dioxide (SO ₂)	100 mg/Nm ³
		Nitrogen Dioxide (NO ₂)	800 mg/Nm ³

4. The industry shall comply with ambient air quality standards of PM₁₀(Particulate Matter size less than 10µm) - 100 µg/ m³; PM_{2.5}(Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/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).

5. The industry shall not manufacture any un-consented products (OR) exceeding capacities without obtaining Consent for Establishment (CFE) and Consent for Operation (CFO) of the Board.
6. The industry has paid CFO fee Rs. 68,18,800/- upto 28.02.2027.
7. The industry either paying annual fee or total fee for Consented period, shall pay the balance fee as per the revised rates as applicable from time to time.
8. The industry shall provide separate water meter for recording water consumption for cooling, domestic and for dust suppression (water sprinklers) and maintain records.
9. The industry shall maintain the Piped belt conveyor from lime stone mine to cement plant for transportation of limestone within one year, as committed.
10. The industry shall maintain 3 CAAQM stations and connect the data to the TSPCB server, as committed.
11. The industry shall maintain dust suppression system at all fugitive dust generating points to meet the AAQM standards.
12. The industry shall properly operate the online stack monitoring systems provided for Kiln and raw mill, clinker cooler, coal mill & cement mill and connect the data to the TSPCB server.
13. The industry shall take up regular cleaning of internal roads to avoid fugitive dust emissions due to vehicular movement.
14. The industry shall store all the raw materials in closed sheds to avoid fugitive emissions.
15. The industry should provide water sprinklers at all dust generating points to avoid fugitive emissions.
16. The industry should maintain the records on captive consumption of clinker produced, fly ash utilization & cement production etc., and the consolidated records should be furnished

to RO, RR –I, every month.

17. As per the Directions issued by the Hon'ble National Green Tribunal (NGT), Principal Bench, New Delhi in Original Application (OA) No. 199 of 2014 vide Judgement dt. 22.12.2016, in the matter of Management of Municipal Solid Waste in Local Bodies, the industry shall buy and use Refused Derived Fuel (RDF) as fuel in the Cement Plant, generated from the RDF Plants located within a 100 Km radius of the Cement Plant."
18. The industry shall comply with load of Mass based standard for Particulate Matter i.e., SPM emissions from Raw Mill, Kiln and Pre-Calcliner system put together - 0.125 kg/tonne of Clinker.
19. The conveyor belt for transport of lime stone from mine to plant should be commissioned and report the compliance to RO, RR-I.
20. The industry shall operate STP for treatment of domestic effluents and proper records shall be maintained.
21. The industry shall maintain dust collection and extraction system to control fugitive emissions at various transfer points and the dust collected from pollution control equipments should be recycled back into the process.
22. The industry should provide interlocking system for Air Pollution Control Equipments provided with raw material feeding system so that the feeding of raw material would be stopped in case of the air pollution control equipments fails.
23. The industry should establish appropriate RWH structure on the available up-stream portion of the plant site
24. The industry shall operate the Air Pollution Control Equipments regularly and maintain the log registers.
25. The industry shall not discharge any wastewater outside the plant premises.
26. The industry shall maintain separate energy meters for recording energy consumption for air pollution control equipments and maintain record for daily energy consumption.
27. The industry shall maintain greenbelt around the plant premises, as per the norms.
28. The industry shall comply with Task Force directions issued by the Board from time to time.
29. The applicant shall submit Environment statement in Form V to the Regional office before 30th September of every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
30. The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

SCHEDULE - C
[see rule 6(2)]

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING
HAZARDOUS WASTES]**

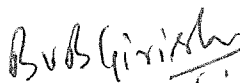
1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and other Wastes (Management, Handling and Transboundary Movement) Rules, 2016 and amendments thereof. The industry shall maintain 6 copy manifest system for transportation of waste generated and copies of receipt of Consignee shall be submitted to the Concerned Regional office. The industry shall maintain proper records for Hazardous Wastes stated in Authorisation 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 20(2) of the Hazardous and other Wastes (Management, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.

3. The industry shall accept the hazardous waste for co-processing with the characteristics as per the CPCB guidelines. The industry shall submit the analysis reports of the Hazardous Waste co-processed to concerned Regional Office every month. The industry shall submit the actual quantity of hazardous waste co-processed every month to the concerned Regional Office.
4. The industry shall take prior permission of CPCB & SPCB for co-processing of any other hazardous waste.
5. The industry shall provide adequate storage space for the hazardous waste in accordance with Hazardous Waste Rules and guidelines for storage of hazardous waste. The occupier shall also ensure that there is no leveling of any pollutant.
6. The industry shall take the hazardous waste only from authorized generators.
7. The industry shall dispose /sell the Hazardous Waste to only industries/agencies authorized by the State Pollution Control Boards. The industry shall verify the authorization of the Board given to the Party before disposing its waste to the External Party.
8. The industry shall maintain proper records for Hazardous Wastes disposal and its concurrence with authorization. In case of variation in generation, industry shall submit explanation and obtain amendment in Environmental Clearance/ CFE/CFO in this regard.
9. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. Waste oils shall be disposed to the authorized Reprocessors/ Recyclers and Used Lead Acid Batteries shall be disposed to the manufacturers / dealers on buyback basis. The industry shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises. The industry shall check the Certificate/ Authorisation/order of MoEF issued to the Re-user/Recycle units while disposing the waste oil.
10. The industry shall dispose of e-waste to the authorised recyclers only.
11. The industry shall maintain good housekeeping.
12. 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, Hyderabad and concerned Regional Office.

**Sd/-
MEMBER SECRETARY**

To
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Sy. No. 53, 54, 56, 57 & 62, Belkatur (V),
Tandur(M), Rangareddy District

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