



TELANGANA POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018

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CONSENT & HWA ORDER (EXPANSION)
RED CATEGORY

Consent Order No :20266795571

Date:15.10.2026

(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 6 of the Hazardous and Other Wastes (Management & Transboundary, Movement) Rules 2016 & 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 (M& TM) Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under to **M/s. Sagar Cements Limited (Plant), Mattampally (V&M), Nalgonda 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(Phase-I):

Outlet No.	Outlet description	Max daily discharge	Point of disposal
1	Power Plant (Cooling tower blow down -116.0 KLD, boiler blow down 100.0 KLD)	216 KLD	After treatment in ETP shall be used in VRM (Raw mill) and for dust suppression. The industry shall achieve zero Liquid Discharge.
2	Domestic	150 KLD	After treatment in STP of capacity 200 KLD, shall be used for onland for gardening after meeting the standards stipulated at Schedule-B.
3	Domestic from Bio Mass Gasification Plant	0.5 KLD	
Total:		366.5 KLD	

ii) Emissions from chimneys:

Chimney No.	Description of Chimney
1.	Attached to Limestone crusher of capacity 1200 TPH
2.	Attached to Cement Mill – I of capacity 16 TPH
3.	Attached to Cement Mill – II of capacity 16 TPH
4.	Attached to Line – I Cooler of capacity 1500 TPD
5.	Attached to Coal Mill – I of capacity 12 TPH
6.	Attached to Packer – I of capacity 120 TPH
7.	Attached to Vertical Raw Mill of capacity 600 TPH + Kiln -1 of capacity 1500 TPD & Kiln -2 of capacity 6500 TPD & Attached to Pre-heater boiler (Kiln-2) of capacity 18 TPH
8.	Attached to Line-2 Cooler of capacity 6500 TPD & Attached to Air quenching Cooler Boiler of capacity 17.8 TPH
9.	Attached to Coal Mill – 2 of capacity 25 TPH
10.	Attached to Coal Mill – 3 of capacity 25 TPH
11.	Attached to Cement Mill 3 +Pre-grinder of capacity 260 TPH
12.	Attached to Cement Mill - 4 of capacity 140 TPH
13.	Attached to Packer – 2 of capacity 240 TPH
14.	Attached to Packer - 3 of capacity 180 TPH
15.	Attached to Packer – 6 of capacity 180 TPH
16.	Attached to Coal Fired Boiler of capacity 18 MW
17.	Attached to Biomass Gasification plant
18.	Attached to DG set of capacity 3 x 1250 KVA
19.	Attached to DG set of capacity 1 x 320 KVA

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

M/s. Sagar Cements Limited (Plant), Mattampally (V&M), Nalgonda District hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• **Hazardous wastes with disposal option:**

Hazardous wastes with disposal option:				
S. No.	Name of the Hazardous Waste	Stream	Total Quantity (TPA)	Disposal Option
Hazardous Waste				
1	Organic Spent Solvents / Liquid residue	20.2, 20.3, 21.2, 28.6, 29.4 and 36.1 of Schedule – I	30,000	Shall be used for Co-Processing in the Kiln.
2	Spent Carbon from Pharmaceutical, beverage and soft drink industries	28.3 & 36.2 of schedule –I	24,000	
3	Process Residue & Wastes & CETP Sludge (Organic waste, ETP bio solid from beverage Industry)	28.1, 29.1, 35.3, 36.1 & 36.2 of Schedule – I	10,000	
4	Used/ Spent Oil/ Waste residue containing oil from process and auto mobile work shops	5.1 & 5.2 of Schedule - I	5,000	
5	Evaporation salt	37.3 of Schedule – I	200	
6	Refinery sludge / spent clay	4.1 & 4.5 of Schedule – I	200	
7	Paint process waste residue 86 sludge	21.1 of schedule-1	1,600	
8	Spent catalyst (Iron sludge)	28.2 of schedule-1	36,000	Shall be used in raw material as additive.
9	Chemical processing of Ores containing heavy metals (Chromium)	38.1 & 38.2 of schedule-1	40,000	
Non - Hazardous Waste				
10	RDF/MSW	NA	6,000	Shall be used as alternate fuel in Cement Kiln.
11	Dolochar	NA	10,000	
12	Shredded waste tyres & Rubber Chips	NA	12,000	
13	Carbon black powder	NA	10,000	
14	Plastic scrap	NA	8,000	
15	Bio mass (Rice husk, ground nut husk, waste wood, mango kernel, coco nut shells, palm bunches etc.	NA	50,000	Shall be collected and disposed to farmer for soil application
16	Bio Char	NA	25 TPD	

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

S. No.	Name of the Products and By-products (Phase-I)	Total Capacity (After Expansion)
	Unit – I	
1	Clinker	0.5 MTPA
2	Cement	0.3 MTPA
	Unit – II	
1	Clinker	2.15 MTPA
2	Cement	3.00 MTPA
	Total (Unit I+II)	
1	Clinker	2.65 MTPA
2	Cement	3.3 MTPA
3	Power Generation	18 MW CPP + 8.8 MW WHRB
4	Bio Mass Gasification Plant (2x50 TPD) used as alternate fuel	100 TPD
	By-Product	
1	Bio Char	25 TPD

The industry is permitted for usage of Domestic Petcoke – 32,000 TPA and Imported Petcoke – 2,88,000 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 31.08.2031.

Sd/-
MEMBER SECRETARY

To
M/s. Sagar Cements Limited (Plant),
Mattampally (V&M), Nalgonda District

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
(CFO UNIT-III)

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://tgpcb.cgg.gov.in/Pages/Circulars.aspx>).
2. This order is issued in line with Board's **CFO Order dt.24.02.2022, CFO Amendment Order dated 09.10.2023, CFO Amendment Order dated 15.01.2025, CFO Amendment Order dated 29.01.2026, CFE(Expansion) order dt:17.07.2026**. 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 Order dt.24.02.2022, CFO Amendment Order dated 09.10.2023, CFO Amendment Order dated 15.01.2025, CFO Amendment Order dated 29.01.2026, CFE(Expansion) order dt:17.07.2026** is 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 industry 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. **The existing CFO&HWA(Order) dt: 24.02.2022 which is valid upto 31.01.2027 stands cancelled.**
2. Total Water Consumption shall not exceed 1564 KLD

S. No	Purpose	Quantity (KLD) (Phase-I)
1	Cement Plant-Process & wash	370
2	6.5 MW (WHRB) and 18 MW CPP	860
3	Dust Suppression	50
4	Domestic water for new colony	280
5	Cooling for Bio Mass Gasification plant	3.5 KLD
6	Domestic for Bio Mass Gasification Plant	0.5 KLD
	Total	1564 KLD

3. The effluent discharged shall comply with the tolerance limits mentioned below:
(A)

Outlet	Parameter	Limiting Standards
1	pH	6.5 – 8.5
	Total Suspended Solids	100 mg/l
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand (3 days at 27 ⁰ C)	100 mg/l
	Chemical Oxygen Demand	250 mg/l
	Total Dissolved Solids (TDS)	2100 mg/l

B. Service waste water (with 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:

Parameter	Concentration not to exceed, milligram per liter (except pH and temperature)
pH	5.5 to 9.0
Suspended Solids	100
Oil & Grease	10
Temperature	Not more than 5°C higher than the intake water temperature

C- 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 battery limits of industry shall be channelized through separate drain(s).

4. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.
(A)

Chimney Nos.	Parameter	Emission Standards (mg/Nm ³)
1 to 15	Particulate Matter	30 mg/Nm ³
7	Sulphur Dioxide (SO ₂)	100 mg/Nm ³
	Nitrogen Dioxide (NO _x)	800 mg/Nm ³
	HCl	10 mg/Nm ³
	HF	1 mg/Nm ³
	TOC	10 mg/Nm ^{3**}
	Hg and its compounds	0.05 mg/Nm ³
	Cd +Tl and their compounds	0.05 mg/Nm ³
	Sb+As+Pb +Co+Cr+ Cu+Mn+Ni+V and their compounds	0.5 mg/Nm ³
	Dioxins and Furans	0.1 ngTEQ/Nm ³
16 & 17	Particulate Matter	30 mg/Nm ³
	Sulphur Dioxide (SO ₂)	100 mg/Nm ³
	Oxides of Nitrogen (NO _x)	100 mg/Nm ³
	Mercury (Hg)	0.03mg/Nm ³
18	Attached to DG set of capacity 3 x 1250 KVA	115 mg/Nm ³
19	Attached to DG set of capacity 1 x 320 KVA	115 mg/Nm ³

Note: The abbreviations used in the above Table shall mean as under:

SO₂ - Sulphur Dioxide; NO_x – Oxides of Nitrogen; HCl – Hydrogen Chloride; HF – Hydrogen Flouride; TOC – Total Organic Carbon; Hg – Mercury; Cd – Cadmium; Tl – Thallium; Sb- Antimony; As – Arsenic; Pb – Lead; Co- Cobalt; Cr- Chromium; Cu- Copper; Mn-Manganese; Ni- Nickel; and V- Vanadium.

- (B) The height of each individual stack connected to Kiln, Clinker Cooler, Cement Mill, Coal Mill, Raw Mill, Packaging section, etc. shall be of a minimum of 30 metres or, as per the formula, $H=14 (Q1)^{0.3}$ and $H= 74 (Q2)^{0.27}$, whichever is more, where "H" is the height of stack in metres and "Q1" is the maximum quantity of SO₂ expected to be emitted in kg/hr and "Q2" is the maximum quantity of PM expected to be emitted in Tonnes/hr through the stack at 100 percent rated capacity of the plant;
- (C) The monitored values of SO₂, NO_x, HCl, HF, TOC, Metals and Dioxins and Furans at main Kiln stack shall be corrected to 10% Oxygen, on dry basis and the norms for SO₂, NO_x, HCl, HF, TOC, Metals and Dioxins and Furans shall be applicable to the main Kiln Stack and the norms for Particulate Matter (PM) shall be applicable to all the stacks in the plant. PM, SO₂, NO_x shall be monitored continuously. HCl, HF, TOC, Metals and Dioxins and Furans shall be monitored once in a year.

(D) Scrubber meant for scrubbing emissions shall not be used as quencher and plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be atleast equal to the main stack.

5. Load of Mass based standard: Particulate Matter from Raw Mill, Kiln and Pre-Calcliner system put together - 0.125 kg/tonne of Clinker.
6. The industry shall not manufacture any un-consented products and exceeding capacities without obtaining prior Consent for Establishment (CFE) and Consent for Operation (CFO) of the Board.
7. 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).

8. The industry has paid CFO fee of Rs.17,30,500/- for a period upto 31.03.2028.
9. The industry shall pay balance consent fee annually as per rates notified in G.O.Ms.No.22. The payment of annual consent fee shall be made at the concerned RO for every financial year (i.e., April to March) within the stipulated time period i.e., 1st quarter of every financial year (April to June) is mandatory for the industry / project, failing which, the validity of the Consent Order automatically stands cancelled and operation industry / project without valid consent attracts penal action under the provision of Water Act, Air Act & Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016
10. 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.
11. The Bio mass (Cotton stalks, Agri residues) collected from local farmers and shall be stored at the designated storage points outside the industry premises and allocated storage area (10 acres) within the factory premises
12. The industry shall not use rice husk as a feedstock for processing in the bio gasification plant
13. The industry shall maintain online AAQM and stack monitoring systems for Kiln and raw mill, Clinker cooler, Coal mill & Cement mills and connect the data to the TGPCB server.
14. The industry shall maintain dust suppression system at all fugitive dust generating points to meet the AAQM standards.
15. The industry shall take up regular cleaning of internal roads to avoid fugitive dust emissions due to vehicular movement.
16. The industry shall store all the raw materials in closed sheds to avoid fugitive emissions.
17. The industry should provide water sprinklers at various dust generating points.
18. The industry shall completely recycle the cooling waste water and shall operate STP for treatment of domestic effluents and treated effluents shall be used for plantation. Records shall be maintained for STP operation.
19. 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.
20. The industry shall maintain interlocking system for Air Pollution Control Equipments provided with raw material feeding system so that the feeding of raw material would be stopped incase of the air pollution control equipments fails.

21. 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 concerned RO every month.
22. 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."
23. 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.
24. The industry shall operate the Air Pollution Control Equipments regularly and maintain the log registers.
25. The industry shall provide water meters for recording the water consumption for recording category-wise water consumption.
26. The industry shall not discharge any wastewater outside the plant premises.
27. The industry shall maintain separate energy meters for recording energy consumption for air pollution control equipments and maintain record for daily energy consumption.
28. The industry shall maintain greenbelt around the plant premises, as per the norms.
29. The industry shall submit quarterly report on usage of domestic petcoke / imported petcoke to the RO, Naglonda and to the Board Office.
30. All the roads in the plant area shall be asphalted / concreted and water should be sprayed to reduce fugitive dust emissions.
31. The industry shall not store dry Gypsum in open area.
32. The industry shall comply with the Task Force directions issued from time to time.
33. The industry shall carryout co-processing of Hazardous waste and comply the stipulated emission standards therein.
34. The industry shall maintain bag filters for de-dusting of additional blending silo, cement silos, fly ash silo & packing plants and other transfer points to control fugitive emissions.
35. The industry shall submit consolidated statement of Production details, effluent generated & effluent treated, Hazardous/ solid waste generated & disposed, Hazardous/ solid waste received from various industries/ outside sources & co-processed, records of operation of pollution control equipment on monthly basis to the Concerned Regional Officer and daily records (RG-I records, Central Excise Returns etc) shall also be made available to the Board Officials during the inspection.
36. 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.
37. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991, should be followed.
38. 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)]

**[SPECIAL 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 180 days as per the Hazardous and other Wastes (Management, Handling and Transboundary Movement) Rules, 2016 and amendments thereof. The industry shall maintain 7 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
M/s. Sagar Cements Limited (Plant),
Mattampally (V&M), Nalgonda District.**

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

**JOINT CHIEF ENVIRONMENTAL ENGINEER
(CFO UNIT-III)**