



TELANGANA POLLUTION CONTROL BOARD

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CONSENT ORDER FOR ESTABLISHMENT (EXPANSION) – RED CATEGORY

Order No. 217/TGPCB/CFE/SPT/RO-NLG/HO/2026

Date:17.07.2026

Sub:	TGPCB – CFE - M/s. Sagar Cements Limited (Plant), Mattampally (V&M), Nalgonda District – Application for CFE for expansion - Consent for Establishment (Expansion) of the Board under Sec.25 of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21 of Air (Prevention and Control of Pollution) Act, 1981 - Issued - Reg.
Ref:	1. EC Expansion Order dated 29.01.2019. 2. CFE Order No. 104/TSPCB/NLG/CFE/HO/2012-3346, dt:06.03.2019. 3. CFE Extension Order dated 02.04.2024 with validity upto 28.01.2029. 4. CFO Order No: 220823352392, Dt:24.02.2022. 5. CFO Amendment Order No. TSPCB/220823352392/RO-NLG/HO/CFO/2022-659 dated 27.07.2022. 6. CFO Amendment Order dated 09.10.2023, 15.01.2025 & 29.01.2026. 7. Industry's CFE Expansion application received through TG-iPASS application dated 19.06.2026. 8. The EE, RO, Nalgonda report dt.02.07.2025. 9. CFE Committee meeting held on 09.07.2025. 10. Industry's letter dated 09.07.2025.

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- 1) M/s. Sagar Cements Limited (Plant), Mattampally (V&M), Suryapet District a Cement clinker and Cement producing unit and EC expansion vide reference 1st cited.
- 2) The industry has obtained CFE of the Board vide order dated:06.03.2019 for Cement – 5.0 MTPA, Clinker Production – 4.81 MTPA and Captive Power Plant (CPP - 58 MW) – 2 x 18 MW (Coal based) & WHRB – 22 MW vide reference 2nd cited and the same was obtained CFE extension order dt.02.04.2024 with a validity period upto 28.01.2029 vide reference 3rd cited.
- 3) The industry has obtained CFO of the Board vide order dated 24.02.2022 with validity of 31.01.2027 for Cement – 3.3 MTPA, Clinker Production - 2.65 MTPA and Captive Power Plant (CPP) - 18 MW & WHRB – 6.5 MW and permitted to usage of Domestic Pet coke – 32,000 TPA and Imported Pet coke – 2,88,000 TPA in Cement Kiln vide reference 4th cited.
- 4) Subsequently, the industry has obtained CFO Amendment of the Board vide order dated 27.07.2022 for WHRB Captive Power Plant capacity of 8.8 MW and permitted to usage of Domestic or imported Pet coke – 3,20,000 TPA vide reference 5th cited and further amendment dt:09.10.2023, 15.01.2025 & 29.01.2026 with regard to hazardous waste, vide reference 6th cited.

- 5) The industry, vide reference 7th cited, submitted an application to the Board seeking Consent for Establishment (CFE) Expansion for installation of 200 TPD Bio-mass Gasification Plant (4 x 50 TPD modules) as alternate fuel (AFR) system within the existing premises of the cement industry with a project cost of Rs.905.03 Crores (after expansion) as follows:

S. No.	Name of the Products and By-products	As per CFO order dt.24.02.2022	Proposed for CFE expansion	Total Capacity (After expansion)
Unit – I				
1	Clinker	0.5 MTPA	--	0.5 MTPA
2	Cement	0.3 MTPA	--	0.3 MTPA
Unit – II				
1	Clinker	2.15 MTPA	--	2.15 MTPA
2	Cement	3.00 MTPA	--	3.00 MTPA
Total (Unit I+II)				
1	Clinker	2.65 MTPA	--	2.65 MTPA
2	Cement	3.3 MTPA	--	3.3 MTPA
3	Power Generation	18 MW CPP + 8.8 MW WHRB	--	18 MW CPP + 8.8 MW WHRB
4	Bio Mass Gasification Plant (4x50 TPD) used as alternate fuel	--	200 TPD	200 TPD
By-Product				
1	Bio Char	--	50 TPD	50 TPD

- 6) As per the application, the above expansion is to be carried out within the existing plant premises located at Mattampally (V&M), Nalgonda District, in an area of 198.55 Acres.
- 7) The above site was inspected by the Environmental Engineer, Regional Office, T.G. Pollution Control Board, Nalgonda on 20.06.2025 and observed that the site is surrounded by:
- North : M/s. Grey Gold Cements Limited
- South : M/s. Sagar Cements Limited Captive Limestone Mine – I
- East : Agricultural lands
- West : Huzurnagar to Mattapally R&B road followed by agricultural lands
- 8) The Board, after careful scrutiny of the application, and verification report of Regional Officer, EC expansion order dt.29.01.2019 and after examining in the CFE Committee meeting held on 09.07.2026, hereby issues CONSENT FOR ESTABLISHMENT (CFE) for Expansion to your industry under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to manufacture the products as mentioned at para (5) only.
- 9) This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

10) This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/-
MEMBER SECRETARY

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

Copy to:

1. The JCEE, Z.O., RC Puram for information.
2. The E.E, R.O, Sangareddy for information and necessary action.

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

 
JOINT CHIEF ENVIRONMENTAL ENGINEER

SCHEDULE - A

1. **This order is valid for a period of 5 years from the date of issue.** Progress on implementation of the project shall be reported to the concerned Regional Office, T.G. Pollution Control Board once in six months through online portal, <https://tgpcb.cgq.gov.in/>. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for information of the inspecting officers.
2. The proponent shall obtain Consent for Operation (CFO) from TGPCB, as required Under Sec.25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under sec. 21/22 of the Air (Prevention and Control of Pollution) Act, 1981, before commencement of the activity.
3. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
4. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Hon'ble Courts, Collector and District Magistrate as Civil liability.
5. The rules and regulations notified under Environmental Acts by the MOEF&CC and by the Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
6. 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.
7. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof, to review any and/or all the conditions imposed herein, to modify conditions or stipulate any further conditions and to take action including revocation of this order in the interest of public health and environment.
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 the State Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

SCHEDULE – B

Water:

1. The source of water is Bore wells and the maximum permitted water consumption after expansion shall not exceed **1568.0 KLD** after expansion. Industry shall comply with the following:

S.No.	Purpose	Quantity
1.	Cement Plant-Process & wash	370.0 KLD
2.	6.5 MW (WHRB) and 18 MW CPP	860.0 KLD
3.	Dust Suppression	50.0 KLD
4.	Domestic water for proposed new colony	280.0 KLD
5.	Cooling for Bio Mass Gasification plant	7.0 KLD
6.	Domestic for Bio Mass Gasification Plant	1.0 KLD
Total:		1568.0 KLD

2. The maximum wastewater generation after expansion shall comply with the following:

S.No.	Purpose	Quantity
1.	Cooling tower blow down	116.0 KLD
2.	Boiler Blow Down	100.0 KLD
3.	Domestic	150.0 KLD
4.	Domestic from Bio Mass Gasification Plant	0.5 KLD
Total:		366.5 KLD

S. No.	Effluents	Quantity	Point of Disposal
1.	Cooling tower blow down	116.0 KLD	ETP consisting of neutralization tank and followed by central monitoring basin.
2.	Boiler Blow Down	100.0 KLD	
3.	Domestic	150.0 KLD	After treatment in STP the treated water shall be used for irrigation.
4.	Domestic from Bio Mass Gasification Plant	0.5 KLD	
Total:		366.5 KLD	

3. The domestic waste water from the plant shall be treated in STP. The treated waste water shall be used for onland irrigation.
4. The effluents shall be treated to the on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in Schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by TGPCB.
5. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP) to record energy consumed.
6. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below:
- Industrial cooling, boiler feed.
 - Domestic purposes.
 - Processing, whereby water gets polluted and pollutants are easily bio- degradable.
 - Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.
7. The industry shall provide Rainwater Harvesting (RWH) pits within the premises to ensure collection and recharge of rainwater.

Air:

8. The proponent shall comply with the following for controlling air pollution after expansion:

S. No.	Source of Pollution	Control equipment	Stack height in Mtrs- above GL
1.	Limestone crusher – 1200 TPH	Bag filter	30 mtrs.
2.	Cement Mill-I – 16 TPH	Bag filter	30 mtrs.
3.	Cement Mill-II – 16 TPH	Bag filter	30 mtrs.
4.	Line-I Cooler – 1500 TPD	ESP	30 mtrs.
5.	Coal Mill-I – 12 TPH	Bag Filter	30 mtrs.
6.	Packer-I – 120 TPH	Bag filter	34 mtrs.
7.	Vertical Raw mill + Kiln-1 & Kiln-2 – 600 TPH, 1500 TPD & 6500 TPD	ESP & RABH	Common stack – 110 mtrs
	Pre-heater boiler (Kiln-2) – 18 TPH		

8.	Line-2 Cooler – 6500 TPD	ESP	33 mtrs.
	Air quenching cooler boiler – 17.8 TPH		
9.	Coal mill-2 – 25 TPH	Bag filter	30 mtrs.
10.	Coal mill-3 – 25 TPH	Bag filter	32 mtrs.
11.	Cement mill-3+ Pregrinder – 260 TPH	Bag filter	35 mtrs.
12.	Cement mill-4 – 140 TPH	Bag filter	32 mtrs.
13.	Packer-2 – 240 TPH	Bag filter	35 mtrs.
14.	Packer-3 – 180 TPH	Bag filter	30 mtrs.
15.	Packer-VI – 180 TPH	Bag filter	30 mtrs.
16.	Coal fired Boiler – 18 MW	ESP	--
17.	Bio Gasification plant	Cyclone Separator	--
18.	D.G. Sets – 3 x 1250 KVA	Acoustic	--
19.	D.G. Sets – 320 KVA	Enclosures	--

9. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
10. The ESP and Bag filters shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements. Industry shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
11. Separate energy meters shall be provided for Air pollution Control equipments to record energy consumed.
12. The industry shall maintain the concreted haulage roads provided in the plant to avoid the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.
13. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MOE&F, GOI vide notification No. GSR 826(E), dated. 16.11.2009, during construction and regular operational phase of the project.
14. The proponent shall maintain the interlocking system provide for air pollution control equipments provided with raw material feeding system so that the feeding of raw material would be stopped in case the air pollution control equipments fails.
15. The SPM Concentration in emissions from the Kiln and other air pollution sources shall not exceed 30 mg/Nm³.
16. The industry shall operate and maintain the Continuous Online Stack Emission Monitoring System provided to Stacks of the existing units and also maintain the 3 Nos. of CAAQM stations and connect to the Board Server.
17. Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report as stipulated in the EC expansion order.
18. All the raw material shall be stored in covered sheds. All stockyards shall be provided with impervious flooring and shall be equipped with water sprinkling system for dust suppression. The stock yards shall be provided with garland drains to trap the run off material.
19. Coal shall be conveyed to the new coal handling plant through closed conveyor system. All transfer points shall be provided with bag filters as proposed in EMP.

20. Encasement of noise generating sources shall be done to control noise levels. Steam turbine and generator shall be provided with acoustic enclosures and located in closed building to reduce ambient noise levels.
21. The industry shall install and maintain an effective water sprinkler system across all dust-generating areas, including internal roads, raw material storage yards, loading/unloading zones, and open areas, to control fugitive dust emissions. The sprinkler system shall be operated regularly.

Solid Waste:

22. The industry shall comply with the following after expansion:

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	50 TPD	

23. The following rules and regulations notified by the MoE&F, GoI shall be implemented:

- a) Solid Waste Management Rules, 2016.
- b) Construction and Demolition Waste Management Rules, 2016.
- c) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- d) The Plastic Waste Management Rules, 2016 and amendments thereof.
- e) Batteries Waste Management Rules, 2022.
- f) E-Waste (Management) Rules, 2022 and its amendments thereof.
- g) Bio-Medical Waste Management Rules, 2016 and its Amendment Rules, 2018.

24. Industry shall maintain closed shed with impervious lining and platform with dyke wall and leachate collection system for storage of hazardous waste. The industry shall not store hazardous waste more than 90 days in their premises, as stipulated in HWM Rules.

25. The drums containing chemicals, intermediates shall be stored on the impervious platform with sufficient dyke wall and spillage/leakage collection system under shed.

Other Conditions:

26. The industry shall comply with the conditions stipulated in the EC order dated 29.01.2019.

27. The industry shall comply conditions stipulated in the CFO and its amendment thereof.

28. The industry shall provide additional sheds for storing the raw materials and other solid wastes after expansion.

29. 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 as committed vide letter dt: 09.07.2026.

30. The industry shall not use rice husk as a feedstock for processing in the bio gasification plant as committed vide letter dt: 09.07.2026.

31. In case of usage of Ground water the project proponent shall obtain NOC from CGWA within one month from the date of issue of this CFE Order as per MoJS Guidelines dated 24.09.2020 and amendments dated 29.03.2023 thereto and Telangana Gazette No.10 dated 02.06.2023 published on Telangana Ground Water Extraction Rules, 2023.

32. 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 and provide necessary facilities for the same.

33. Existing Green belt shall not be disturbed in the proposed activity. Industry shall develop greenbelt in a time frame of one year covering 33% of total land area, along the periphery, as stipulated in EC expansion order.

34. The overall 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.

35. The proponent shall comply with all the directions issued by the Board from time to time.

36. The Board reserves its right to modify above conditions or stipulate new / additional conditions and to take action including revoke of this order in the interest of environment protection.

Sd/-
MEMBER SECRETARY

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

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

 JOINT CHIEF ENVIRONMENTAL ENGINEER

