



**Consent For Operation
(CFO-Air,Water)**

Consent No. AW-326481
Valid upto: 30/06/2026

Industry Colour: RED Industry Scale: LARGE

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 6 pages including annexure & excluding additional conditions)

Combined Consent Order No. AW-326481 PCB ID: 10051 Date: 30/08/2021

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act, 1974 and emission under the Air (Prevention and Control of Pollution) Act, 1981

Ref: 1. Application filed by the applicant/organization on 25/05/2021
2. Inspection of the Industry/organization/by RO, on 17/05/2021
3. Proceedings of the CCM dated 04/08/2021, held on 30/07/2021

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions conforming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: J K Cement Ltd, (Cement Plant)
Address: 141 & 142, Muddapur Village, Tq: Mudhol, Dt: Bagalkot
Industrial Area: Not In I.A, Muddapur Village,
Taluk: Mudhol, District: Bagalkot

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Boiler Feed	158.220	0.000	Borwell/ River/ Mines Pit water
2	Cooling Water	364.800	158.400	Borwell/ River/ Mines Pit water
3	D.M Water Plant	17.520	17.520	Borwell/ River/ Mines Pit water
4	Domestic Purpose	253.000	199.000	Borwell/ River/ Mines Pit water
5	Manufacturing Processes	410.860	391.260	Borwell/ River/ Mines Pit water

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty/Month	Unit
1	Captive power Plant 2 x 25MW	50.0000	MWH
2	cement based adhesive	100000.0000	TON
3	Clinker	2.2000	MMT
4	OPC and Blended Cement	2.5000	MMT
5	slag cement	1.0000	MMT

This consent is valid for the period from 01/07/2021 to 30/06/2026

To,
J K Cement Ltd, (Cement Plant)
Muddapur Village, Tq:
Mudhol, Dt: Bagalkot

COPY TO:

The Environmental Officer, KSPCB, Regional Office Bagalkote for information and necessary action.

- Master Register.
- Case file.

Consent Fee paid : Rs. 2000000



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SCHEDULE

TERMS AND CONDITIONS

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.
- 2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.
- 2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.
- 3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall conform to the standards stipulated by the Board in Annexure-I
- 3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.
4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.
5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.
6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:
8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.
2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.
3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C.MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.
2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.
2. The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.



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E. NOISE POLLUTION CONTROL:

1. The applicant shall ensure that the ambient noise levels within its premises shall not exceed the limits i.e 75 dB(A) Leq during day time and 70 dB(A) Leq during night time as specified in under the Air (Prevention and Control of Pollution) Act, 1981.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.
3. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
5. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
6. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.
7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
9. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.
10. The applicant shall make an application for consent for subsequent period at least 45 days before expiry of this consent.
11. The applicant shall develop and maintain adequate green belt all around the periphery.
12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
13. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
14. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.
15. The applicant shall display flow diagram of the pollution control system near the pollution control system/s.



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NOTE:

The Conditions A(2b), 3(b) mentioned in the schedule are not applicable.

Additional Conditions:

- 1) The Occupier shall comply with all the additional terms and conditions stipulated in Annexure-I-A attached herewith.
- 2) This Consent order contains totally 9 pages including Annexure.





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Chi m.N o.	Chimne y attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed, in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Any Other	Attached Coal mill 50 tph	45	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	COA	FIL	Before commissioning.
2	D.G. Sets	500 KVA	7	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	DIE	N.A	Before commissioning.
3	D.G. Sets	500 KVA	7	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	DIE	N.A	Before commissioning.
4	Boiler	Power plant 2 x 25MW	105	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	COA	ESP	Before commissioning.
5	Any Other	slag grinding	30	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	ELE	BGH	Before commissioning.
6	Any Other	coal crusher 120 tph	30	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	ELE	FIL	Before commissioning.
7	Any Other	cement mill 165 tph	30	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	ELE	FIL	Before commissioning.
8	Any Other	cement mill 165 tph	30	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	ELE	FIL	Before commissioning.
9	Any Other	clinker cooler, 6500 tpd	40	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	COA	ESP	Before commissioning.
10	Any Other	Raw mill 525 tph /Kiln	100	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	COA	BGH	Before commissioning.
11	Any Other	Limeston e crushr 1000 tph	30	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150, 100, 50	ELE	FIL	Before commissioning.

Note:

FIL : Bag Filter
N.A : Not Applicable
ESP : E.S.P
BGH : Bag House
ESP : E.S.P

Note:

1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.
2. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection) Rules.
3. There shall be no smell or odour nuisance from the industry.



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LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

- The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period
- An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
- The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

Signature valid

Digitally signed by
Date: 2021.08.30 15:01:02
+05:30

Annexure-I
Additional Conditions

1. This consent for Operation is valid for a period from 01.07.2021 up to 30.06.2026.
2. This CFO is issued for manufacture of Clinker of 2.2 MMTPA, Ordinary Portland and Blended Cement of capacity 2.5 MMTPA, Slag Cement of capacity 1.0 MMTPA, Cement based adhesive of capacity 1,00,000 TPA and Capacitive Power Plant of capacity 2 X 25 MWH (50 MWH)
3. The authorities have paid Rs. 20,00,000/- as Consent fee for 5 years based on the CI of Rs.1238.5532 crores. The applicant shall pay the balance fee, if any, after the final notification of revised consent fee and as per the affidavit submitted by the industry.
4. The water consumption for different purposes and waste water generation shall be as below from the proposed Expansion activity for both domestic and industrial activity.

Water Consumed for	Consumption in KLD	Discharge in KLD	Mode of Disposal
Domestic use	253.00	199	Treated in STP of capacity 200 KLD and used for green belt development
Industrial purpose			
Manufacturing Process	410.860	391.26	The trade effluent is Neutralized & recycled for cooling purpose in cement plant, dust suppression, greenbelt etc
Boiler feed	158.220	----	
Cooling water	364.8	158.40	
DM Water Plant	17.52	17.52	
Total	1204.4	766.18	

5. The domestic sewage generated from industrial premises shall be treated in the existing STP of capacity 200 KLD & excess treated sewage only shall be utilized on land for gardening after Confirming to the Standard as per **Annexure-A**.
6. The applicant shall use the maximum quantity of treated sewage for dust suppression and coal washing and only the excess sewage shall be used on land for gardening after confirming to the standards stipulated as per Annexure-A, attached with this consent.
7. It is the sole responsibility of the applicant to treat the sewage with STP to the standards stipulated by the Board. The applicant shall upkeep the log book on quantity of swage generated, influent characteristics, quantity of sewage treated and disposed on land for irrigation.
8. All the treatment units shall be full leak proof and shall be constructed above the ground level.
9. The applicant shall provide a separate energy meters and flow meters to the STP.
10. The treated sewage shall be completely utilized for gardening within the factory premises and there shall be no discharge of effluent into outside premises at any point of time.
11. The applicant shall not change or alter either the quality or the quantity or the rate of discharge or temperature or the route of discharge without the previous written permission of the Board.
12. The applicant shall not dig the new Bore wells within the premises.
13. The applicant shall take suitable steps so that there will be reduction of the fresh water consumption as well as waste water generation from the industry.
14. The quantity of water required for cooling water shall be 364.8 KLD and the same shall be completely recycled back for the same purposes.
15. The applicant shall take suitable steps so that there will be reduction of the fresh water consumption as well as waste water generation from the industry.
16. Industry shall control the fugitive emissions at the transfer points of clinker and cement silos by providing water sprinkling arrangements.

17. Industry shall provide permanent facility for spraying water on roads and storage yard for controlling fugitive dust emission.
18. The industry shall cover all the raw materials which stored in heaps with tarpaulin to ensure that there shall not be any fugitive emission.
19. The industry shall store all the scrap materials in a designated separate scrap yard and all type of scraps shall be stored in this dedicated area only.
20. The industry shall provide dust suppression system at coal crusher area and the housekeeping all round the industry shall be improved.
21. The industry shall store all types of hazardous wastes in a covered shed with proper labelling on the container.

B. DISCHARGE OF EMISSIONS UNDER THE AIR ACT:-

- 1 The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-B** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.
- 2 Fugitive emission near manufacturing area has to be controlled by adopting advance technology. Progress made in this regard shall be furnished.
- 3 If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.

C. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES 2016:

1. The industry shall apply and obtain authorization under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016, and comply with the conditions of the authorization. The applicant shall comply with the terms and conditions stipulated in authorization.
2. The applicant shall dispose the empty raw material cans back to the supplier and shall maintain the manifesto to this process. The details shall be submitted to the Board

D. GENERAL CONDITIONS

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
2. The Noise generated in the factory shall be within the prescribed limits of 75 dB (A) leq. During day time and 70 dB (A) leq during night time.
3. There shall not be any complaint against the industry on water, air, noise pollution from the surrounding general public.
4. The applicant shall carryout intensive plantation/ thick vegetation all round, especially towards residential apartment to minimize air & noise pollution. The action taken report shall be submitted to the Board immediately.

For and on behalf of the KSPCB


SENIOR ENVIRONMENTAL OFFICER
8

ANNEXURE -A
Treated Water Discharge Standards for Sewage Treatment Plant

Sl No	Characteristics	Standards
1	pH	6.5 to 9.0
2	BOD, mg/l , (3 days at 270 C)	10
3	COD, mg/l	50
4	TSS, mg/l	20
5	Ammonical Nitrogen, mg/l	5
6	Total Nitrogen, mg/l	10
7	Fecal Coli form, MPN/100ml	< 100

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

TABLE
HYDRAULIC LOADING APPLICABLE FOR DIFERENT SOILS

Sl.No.	Soil Texture	Loading rate in M ³ /Hec/day
1	Sandy	225 to 280
2	Sandy Loam	170 to 225
3	Loam	110 to 170
4	Clay Loam	055 to 110
5	Clayey	035 to 055


SENIOR ENVIRONMENTAL OFFICER

The Air pollution sources, Chimney height and the control equipments provided by the industry shall be as below and the Air pollution sources mentioned in the main consent at Page No: 4 shall be replaced with this Annexure-B

Sl. No.	Chimney Attached to	Minimum Chimney Height to be Provided	Constituents to be controlled in the emission.	Tolerance limits Mg/NM3	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)	Date of which air pollution equipments shall be provided to achieve the stipulated limits and chimney heights conforming to stipulated heights.	Remarks
1.	Clinker Cooler of 6500TPD	40	PM	30	with ESP	At All Times	1. The emission rate of all chimneys shall be reported within 30 days. 2. Details of D.G. Sets if any like KVA rating fuel consumption in Kg/hr., Chimney height above roof level and dia to be furnished within 30 days. D.G. Sets and other noise generating machinery to be provided with Silencers /Mufflers to reduce the noise pollution. 3. There shall be no smell or odour nuisance from the industry. 4. There shall be no other sources of air pollution.
2.	Cement mill of 165TPH	30	PM	30	with Bag filter	At All Times	
3.	Cement mill of 165TPH	30	PM	30	with Bag filter	At All Times	
4	Coal crusher of 120TPH	30	PM	30	with Bag filter	At All Times	
5	Slag grinding unit	30	PM	30	with Bag house	At All Times	
6	Power plant 2 x 25MW (2 No's)	105	PM	30	with ESP	At All Times	
7	Limestone Crusher of 1000TPH	30	PM	30	with Bag filter	At All Times	
8	Raw Mill of 525TPH/Kiln	100	PM	30	with Bag house	At All Times	
9	Coal mill of 50TPH	45	PM	30	with Bag filter	At All Times	
10	D.G. set of 500 KVA	7 m	PM	30	with Acoustic enclosure	At All Times	
11	D.G. set of 500 KVA	7 m	PM	30	with Acoustic enclosure	At All Times	


SENIOR ENVIRONMENTAL OFFICER



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Karnataka State Pollution Control Board

“ಪರಿಸರ ಭವನ”, 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ

“Parisara Bhavan”, 1st to 5th Floor, # 49, Church Street, Bangalore - 560 001, Karnataka State, India

NO: KSPCB/385/HPI- JK Cement/2021-22 / 2890

Dated:

17 SEP 2021

CORRIGENDUM TO CFO ORDER

Sub: Issue of Corrigendum to the CFO issued for the period up to 30.06.2026 in respect of M/s M/s. J.K. Cement Works, Muddapur Village, Lokapur Post, Mudhol Taluk, Bagalkot District.

Ref: 1. The Board Office CFO vide No. AW-326481, Dated: 30.08.2021 valid for the period up to 30.06.2026.

2. Your letter dated: 06.08.2021 received at the Board Office on 06.09.2021

◆◆◆◆

With reference to the above subject, it is to be informed that Board has issued CFO for the period upto 30.06.2026 to manufacture Clinker of capacity 2.2 MMTPA, Ordinary Portland and Blended Cement of capacity 2.5 MMTPA, Slag Cement of capacity 1.0 MMTPA, Cement based adhesive of capacity 1,00,000 TPA and Capacitive Power Plant of capacity 2 X 25 MWH (50 MWH).

In the said consent the usage of petcoke of capacity 2,20,000 TPA as additional fuel for clinker production and co-processing of Hazardous and non-Hazardous waste in the cement Kilns as the temperature is around 1000 °C was not included. Hence the industry authorities have submitted a letter vide reference (2) requesting necessary amendments to the consent including usage of Petcoke as additional fuel for clinker production and co-processing of Hazardous and non-Hazardous waste in the cement Kilns

The details submitted by you was verified and it was decided to issue Corrigendum to the CFO issued by the Board. Hence the following order.

ORDER

In the said CFO issued by the Board vide ref (1), the following amendments are included:

- The industry is permitted to use Petcoke of capacity 2.20,000 TPA for the Clinker production. The sources of Petcoke may be imported or Petcoke purchased from Petroleum refineries in India or combination of both.
- The industry is allowed to co-process Hazardous and non-Hazardous waste Viz plastic waste, RDF, rice husk, Carbon black, pyrolysis oil, MSW waste, Iron sudge, Chemical Gypsum, Stabilized Jarosite, other similar waste materials having potential to use as set

retarders and other high volume low effect wastes in the cement Kilns at cement and captive power plant.

- The Industry is also permitted for feeding the waste in the clinker cooler section and the main burner at the Rotary kiln inlet, Pre-calciner and Mid kiln as alternative fuel/ raw materials and in the cement mills as raw materials.
- In the Annexure -I, additional conditions 6, the treated sewage shall be used for dust suppression, the word "*Coal washing*" is deleted.
- In the Annexure -I, additional conditions 7, Since the industry is using the treated sewage on land for gardening, the word "*On land for Irrigation*" is deleted.
- In the Annexure -I, after additional conditions D-2, the condition viz "*The noise standard for work zone exposure for industrial workers shall be as per the factories act / The Noise pollution (Regulation and Control) Rules, 2000*" shall be included as additional conditions.
- The Annexure-B (Air Pollution Sources) of additional conditions Annexure-I shall be replaced with Annexure- B attached with this Addendum replacing the constituent of pollutants and the tolerance limit stipulated for those constituents

All the other terms and conditions mentioned in Consent order issued by the Board for the period upto 30.6.2026 Vide reference (1).

Receipt of this may be acknowledged.


SENIOR ENVIRONMENTAL OFFICER

To,
The Occupier,
M/s. J.K. Cement Works,
Muddapur Village, Lokapur Post,
Mudhol Taluk, Bagalkote District.

The Air pollution sources, Chimney height and the control equipments provided by the industry shall be as below and the Air pollution sources mentioned in the main consent at Page No: 4 shall be replaced with this Annexure-B

Sl. No.	Chimney Attached to	Minimum Chimney Height to be Provided	Constituents to be controlled in the emission.	Tolerance limits Mg/NM3	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)	Date of which air pollution Control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.	Remarks
1.	Clinker Cooler of 6500TPD	40 m AGL	PM	30	with ESP	At All Times	1. The emission rate of all chimneys shall be reported within 30 days. 2. Details of D.G. Sets if any like KVA rating fuel consumption in Kg/hr., Chimney height above roof level and dia to be furnished within 30 days. D.G. Sets and other noise generating machinery to be provided with Silencers /Mufflers to reduce the noise pollution. 3. There shall be no smell or odour nuisance from the industry. 4. There shall be no other sources of air pollution.
2.	Cement mill of 165TPH	30 m AGL	PM	30	with Bag filter	At All Times	
3.	Cement mill of 165TPH	30 m AGL	PM	30	with Bag filter	At All Times	
4	Coal crusher of 120TPH	30 m AGL	PM	30	with Bag filter	At All Times	
5	Slag grinding unit	30 m AGL	PM	30	with Bag house	At All Times	
6	Power plant 2 x 25MW (2 No's)	Common chimney of 105 m AGL	PM	50	with ESP	At All Times	
7	Limestone Crusher of 1000TPH	30 m AGL	PM	30	with Bag filter	At All Times	
8	Raw Mill of 525TPH	100 m AGL	--	--	with Bag house	At All Times	
9	Coal mill of 50TPH	45 m AGL	PM	30	with Bag filter	At All Times	
10	D.G. set of 500 KVA	7 m ARL	SO ₂	---	with Acoustic enclosure	At All Times	
11	D.G. set of 500 KVA	7 m ARL	SO ₂	---	with Acoustic enclosure	At All Times	


 SENIOR ENVIRONMENTAL OFFICER