



Consent For Operation (CFO-Air,Water)

Karnataka State Pollution Control Board

Zonal Office : Chitradurga ,

House No. C.A-2, 3rd Main,KHB Colony Behind Pragathi Gramin

Bank, Near KHB Office, Sadik Nagar Rd ,Chitradurga-577501

Tele : 9845335355

Industry Colour:
ORANGE

Industry Scale: SMALL

(This document contains 8 pages including annexure & excluding additional conditions)

Combined Consent Order No: AW-317937

PCB ID:

41425

Date: 12/05/2020

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

Ref: 1. Application filed by the industry / organization on 23/04/2020

2. Inspection of the Industry/organization/by RO, on 22/04/2020

Consent is hereby granted 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, (here in referred to as the Air Act) and the Rules and Orders made there under and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

The Occupier is authorized to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below:

Location:

Name of the Industry: Srinidhi Stone Crusher

Address: Sy. No. 20/P1, Hattihalu-Village, Honnali-Tq, Davangere-Dist.

Industrial Area: Not In I.A, Hattihalu,

Taluk: Honnali, District: Davanagere

Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Domestic Purpose	1.000	0.800	discharge into septic tank & soak pit.
2	Manufacturing Processes	16.000	12.800	used for m-sand washing and treated in settling tank after that supernatant will be recycled into pr
3	Others	1.000	0.000	Used for gardening
4	Others	1.000	0.000	Used fro water sprinkling purpose to suppress the dust.

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, rate of emissions, constituents to be controlled in emissions etc. are detailed in Annexure-I.

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

Sr	Product Name	Applied Qty/Month	Unit
1	m-sand	2500.0000	TON
2	stone crusher	3750.0000	TON

This consent is valid for the period from 23/04/2020 to 30/09/2028



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To,

Srinidhi Stone Crusher

Sri. G. Veerashekarappa,
Bairanahalli, Kyasinakere,
Honnali-Tq, Davangere-Dist.

NOTE:

The following Conditions A 2b, 3a,b mentioned above are not applicable.

Additional Conditions:

The applicant shall also comply with the conditions stipulated in APPENDIX uploaded along with this consent order.

COPY TO:

1. The Regional Officer, **Davanagere** for information and necessary action.
2. Master Register.
3. Case file.

Consent Fee paid : Rs. 150000



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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 occupier shall install flow measuring/recording devices to record the discharge quantity and maintain the record.

5. The occupier 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 Occupier 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.

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.

2. The occupier 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 Occupier shall upgrade/modify/replace the control equipment with prior permission of the Board.

C. MONITORING & REPORTING:

1. The occupier shall get the samples of effluents & emissions collected and get them analyzed **once a month/ Indicated in Annexure** for the parameters.



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

1. The Occupier 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.

E. NOISE POLLUTION CONTROL:

1. The industry 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 the Environment (Protection) Rules.

F. GENERAL CONDITIONS:

1. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
2. The Occupier 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.
3. The Occupier shall provide alternative power supply sufficient to operate all Pollution control equipments.
4. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
5. The Occupier shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
6. The Occupier his heirs, legal representatives or assigns shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.
7. The Occupier shall make an application for consent at least 45 days before expiry of this consent.
8. The occupier shall maintain register recording the ambient air quality and stack monitoring. The register shall be open for inspection by the Board Officers at all time.

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



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Annexure-II

Chim. No.	Chimney attached to	KVA Rating/ Capacity	Minimum chimney height to be provided above ground level (in Mtr)	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.(4)	Date on which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	D.G. Sets	250 KVA		5 PM(mg/NM3), SO2(PPM), NOx (PPM)	150, 100, 50	AEC	—
2	Conveyor Belt	Conveyor belts		0 PM(mg/NM3), SO2(PPM), NOx (PPM)	PM	GRB, WSP, WB W	—
3	Vibratory Screen	Vibratory screen		0 PM(mg/NM3), SO2(PPM), NOx (PPM)	PM	GRB, WSP, WB W	—
4	Jaw Crusher-1	Jaw crusher		0 PM(mg/NM3), SO2(PPM), NOx (PPM)	PM	GRB, WSP, WB W	—

Note:

AEC Acoustic Enclosures

GRB, WS Green Belt
P, WBW

GRB, WS Green Belt
P, WBW

GRB, WS Green Belt
P, WBW

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, THE PLATFORMS, THE ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

as 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.

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

2. The diameter of the sampling port should not be less than 3". Arrangements should be made so that the porthole is closed firmly during the period when it is not used for sampling.
3. 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 off 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

For and on behalf of the
Karnataka State Pollution Control
Board



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Signature valid

Digitally signed by
Date: 2020.05.12 13:09:04
+05:30

APPENDIX

M/s Srinidhi Stone Crusher, Sy No: 20/P1, Hattihalu Village, Honnali Tq, Davanagere Dist.

- This consent is issued to operate stone crushing-3750 TPM & M-Sand - 2500 TPM manufacturing activity at Sy No: 20/P1, Hattihalu Village, Honnali Tq, Davanagere Dist.
- The applicant shall obtain permission/approval from CGWA/SGWA before drawing ground water and submit copy within one month time to RO-Davanagere.
- This Consent is granted based on Form -C issued by the District Stone Crusher Licensing and Regulation Authority, Davanagere License No. 2049/73 dated 22.09.2018 (valid up to 31.03.2023).
- The applicant shall also comply with conditions stipulated in earlier consent issued by the Board Office vide No: 133/PCB/160/MIN/2018-19/OB-328, Dated: 13.07.2018, which was valid up to 31.12.2018.
- This consent for operation is valid for the period up to 30.09.2028.
- The Occupier shall submit copy of fresh Form-C before expiry of the present one which is valid up to 31.03.2023, otherwise the consent issued is deemed to be revoked.
- The occupier shall operate the stone crusher with valid Form-C at all times during validity of the consent. (KSPCB OM No. KSPCB/798/COC/2016-17/3722 dated 26.09.2019).
- The Board reserves the right to review, revoke, change/alter the terms and conditions or impose additional conditions.

(Air Pollution Control Measures for Stone Crushers)

1. The Jaw crusher, the chute and conveyor system of crushed stone to be covered with suitable semi circular M.S. Sheet / Zinc sheet, etc., Suitable exhaust and venting system of adequate capacity to be provided to guide the dust emanating from the crusher into the stack.
2. The rotary-vibratory screen to be completely covered leaving space at bottom for collection of the sieved jelly.
3. The conveyor belts chutes especially carrying smallest particles should be covered with semi circular M.S. Sheets and heaps shall be located in appropriate sheds. Wherever possible with all possible arrangements to prevent escape of dust during loading and unloading operation also suitable control measures like hood and cyclone system shall be provided.
4. The suspended Particulate matter as measured at a distance between 3 m & 10 m from any source of dust emission shall not exceed $600 \mu\text{g}/\text{Nm}^3$. The measurements are to be made at least twice a month for all the 12 months in a year and report has to be submitted to the Board.
5. Suitable water sprinkling system shall be provided to reduce the dust from each dust generation area.
6. The industry shall provide all around covering of the premises using G.I. Sheet (1.66 mm and 1.25 mm thickness) for a height of 6 m and provide Netlon - Mesh up to 30 ft with regular water sprinkling arrangement to suppress the dust generation.
7. The applicant shall provide barricades (G.I. Sheets)/ Wind breaking walls of height 20 feet on all three sides of the crusher area.
8. Noise level as measures from the periphery of the industry should not exceed 75 dB(A) leq during day time & 70 dB(A) leq during night time.
9. The applicant shall adopt following pollution control measures.
 1. Dust containment-cum-suppression system for the equipment
 2. Construction of wind breaking walls
 3. Regular cleaning and wetting of the ground within the premises
 4. Greenbelt along the periphery

Srinidhi

10. The applicant shall provide a roof with gradual slope / Curvature so as to prevent accumulation of water and have an easy flow.
11. The applicant shall provide telescopic chutes at product unloading to prevent dust release into the atmosphere during free fall of material from heights and also these chutes shall be adjustable in length according to size of the heap.
12. Please note that the CFO is issued for the operation of air pollution control equipments. The applicant shall carryout crushing activity only after obtaining necessary licenses from various Govt Agencies. If the applicant operates the stone crusher without Form-C, he is personally responsible for the violation caused under the Karnataka Regulation of Stone Crushers Act 2011 and its subsequent amendments.
13. The applicant shall take all measures to ensure that the ambient air quality in industry premises shall conform to the National Ambient Air Quality Standards specified in Environment (Protection) Rules.
14. The applicant shall maintain adequate Buffer zone (within premises) all around the boundary to prevent/control air and noise pollution.
15. The applicant shall comply with the provisions of the Karnataka Regulations of Stone Crusher Act, 2011 and its Amendments.
16. The applicant shall provide 5 Mts ARL height chimney for 250 KVA DG set.
17. The applicant shall comply with environmental standards prescribed under EP Rules 1996 for Stone Crusher Units.

Water Pollution Control:

1. The applicant shall dispose sewage into septic tank followed by soak pit.
2. The waste water generated from M-Sand washing activity shall be treated in series of settling tanks and completely re-cycled completely for washing and sprinkling activity.
3. There shall not be any discharge of untreated/treated effluents and sewage outside the premises at any point of time.

Note:

1. It is advised to provide all necessary healthcare facilities to employees & local people and shall carry out routine health survey among employees & local people and tests like Spirometry, Pulseoxymetry, Lung function test etc.,
2. It is advised to regularly check the health of works exposed to very high noise levels and suitable measures to avoid any ill effects shall be taken.
3. It is advised to take all safety measures to avoid any injury to its employees and local people.
4. Suitable safety measures shall be provided to protect workers from the ill effect of dust pollution
5. The applicant shall provide acoustic measures, exhaust, mufflers, and silencers all the sources to control noise pollution as applicable.
6. The applicant shall provide closed area for storage of raw material and to provide metallic road inside the plant premises and necessary water sprinkling arrangements shall be provided. The applicant shall provide proper gulland drain to store the runoff for rain water harvesting and to carrying of silt from the premises.
7. Minimum 5 rows with a minimum 50 meters wide green belt of tall growing leafy trees should be planted around the crusher plant area to minimize dust and improve aesthetic appearance.
8. The applicant shall construct bunkers for storage of fine dust with wind breaking wall, water sprinkling arrangement etc to mitigate the dust during the windy days
9. It is advised to develop the school / hospitals/ water supply etc., under Corporate Social Responsibility (CSR) activity for overall development of nearby village.

- The applicant shall furnish compliance to this Consent conditions to RO-Davanagere within 30 days.


SEO-Chitradurga