



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

Consent No. AWH-303364  
Valid upto: 11/08/2021

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

Industry Colour: RED Industry Scale: MEDIUM

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

Combined Consent Order No. AWH-303364 PCB ID: 18289 Date: 11/08/2017

**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 12/08/2016  
2. Inspection of the Industry/organization/by RO, on 08/08/2016  
3. Proceedings of the CCM dated 20/07/2017, held on 12/07/2017

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: Somu-Organo Chem Pvt Ltd.,  
Address: Shed No: C-29 & 30, KSSIDC Indl Estate, Malur Taluk, Kolar District  
Industrial Area: MALUR INDL ESTATE, Malur,  
Taluk: Malur, District: Kolar

**CONDITIONS:**

**a) Discharge of effluents under the Water Act:**

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Domestic Purpose	5.200	3.200	The industry effluent is handed over CETP plant Malur(p) Ltd.,
2	Manufacturing Processes	118.000	46.000	

**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	1,3 Cyclohexanedione	75.0000	M.T
2	2,4 Thiazolidinedione	10.0000	M.T
3	2/4 Methylcyclohexanol	5.0000	M.T
4	3,3,5 Trimethylcyclohexanol	20.0000	M.T
5	4-Hydroxy carbazole	2.0000	M.T
6	Benzalkonium chloride	100.0000	M.T
7	Ore flotation reagents	200.0000	M.T

This consent is valid for the period from 12/08/2016 to 11/08/2021

For and on behalf of the  
Karnataka State Pollution Control Board

**B G MOHANKRISHNA -  
CHIEF/SENIOR ENVIRONMENTAL  
OFFICER**

To,  
Somu-Organo Chem Pvt Ltd.,



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**COPY TO:**

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

2. Master Register.
3. Case file.

Consent Fee paid : Rs. 300000

**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. WATER CESS:**

1. The applicant shall provide water meter at all the intake points as specified under Section (5) of the Water Cess Act, 1977 and shall file the Water Cess returns regularly before fifth of every month and also pay the Cess assessed with the time stipulated.



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**D.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.

**E. 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.

**F. 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.

**G. 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.

**H. 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.



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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.

**NOTE:**

The Conditions Nil mentioned in the schedule are not applicable.

**Additional Conditions:**

For and on behalf of the  
Karnataka State Pollution Control Board

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Chimney No.	Chimney 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	Boiler	APC is stack	30	PM(mg/NM3),SO2 (PPM),NOx(PPM)	0.011,0.152,0.029	AGR	N.A	Before commissioning.
2	Any Other.....	Attached to laboratory	5	PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist		SCR	Before commissioning.
3	Reaction Vessels		5	PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist, VOCs		SCR	Before commissioning.
4	Acid Mists	atta to neutralizing tank	3	PM(mg/NM3),SO2 (PPM),NOx(PPM)			SCR	Before commissioning.
5	Acid Mists	Attached to Laboratory	3	PM(mg/NM3),SO2 (PPM),NOx(PPM)			SCR	Before commissioning.
6	Driers	Process-flash drier	5	PM(mg/NM3),SO2 (PPM),NOx(PPM)	PM,SO2,NOx		CYC	Before commissioning.
7	Fuel Heater (Thermic)	2 Lakh K.cal	13	PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50	---	N.A	Before commissioning.
8	Fuel Heater (Thermic)	2 Lakh K.cal	13	PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50	---	N.A	Before commissioning.
9	D.G. Sets	250 KVA	5	PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50	DIE	AEC	Before commissioning.
10	Driers	Process-flash drier	5	PM(mg/NM3),SO2 (PPM),NOx(PPM)	PM,So2,NOx		CYC,SCR	Before commissioning.

Note:

- N.A : Not Applicable  
SCR : Scrubber  
SCR : Scrubber  
SCR : Scrubber  
CYC : Cyclone  
N.A : Not Applicable  
AEC : Accoustic Enclosures  
CYC,SCR : Cyclone R

Note:

- 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.
- The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection)Rules.
- 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.

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

2. 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
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 of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

**Additional Conditions to accompany Consent Order of M/s. Somu Organo-Chem Pvt. Ltd., Shed No. C 29 & 30, KSSIDC Industrial Estate, Malur, Kolar District**

Preamble: M/s. Somu Organo-Chem Pvt. Ltd., is in existing industry and having valid consent under Water Act and Air Act for the period upto 30.6.2016. Industry has obtained Environmental Clearance from SEIAA No. SEIAA:5:ind:2010 dated: 09.06.2010 for products viz 1) Benzalkonium Chloride-1200 MT/Annum 2) 1,3 Cyclohexanedione-900 MT/Annum, 3) 4-Hydroxy carbazole-24 MT/Annum, 4) 2/4 Methylcyclohexano-60 MT/Annum, 5) Ore flotation reagents-2400 MT/Annum, 6) 2,4 Thiazolidinedione-120 MT/Annum 7) 3,3,3 Trimethylcyclohexanol-240 MT/Annum. The subject was placed before the Consent Committee Meeting held on 12.07.2017 and the CCM recommended to issue of CFO up to 30.06.2021 with specific condition that industry shall provide in house ETP within 6 months.

<b>Consent fee paid</b>	Rs. 3, 00,000/- which is adequate under Water and Air Act for 5 years.
<b>Capital Investment</b>	Rs. 12.05 Crores

This consent is applicable for the manufacture of following product with their capacity;

Sl.No	Products/Activity	Capacity MT/Annum
1	Benzalkonium Chloride	1200
2	1,3 Cyclohexanedione	900
3	4-Hydroxy carbazole	24
4	2/4 Methylcyclohexano	60
5	Ore flotation reagents	2400
6	2,4 Thiazolidinedione	120
7	3,3,3 Trimethylcyclohexanol	240

**THE CONSENT IS GRANTED FOR THE PERIOD FROM 01.07.2016 to 30.06.2021.**

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

**I. Quantity of the water use.**

1. The source of water shall be from KIADB/tankers.

**II. Treatment and disposal of trade and sewage effluent:**

1. The details of water consumption and waste water discharge shall be as follows.

Sl. No.	Purpose	Water Consumption in LPD	Waste water generation in LPD	Mode of Disposal
1	Domestic	1,500	1,200	Septic tank and Soak pit
2	Industrial	<b>15,996</b>	<b>15,521</b>	
	a) Process	13,936	13,936	As per the CCM decision industry shall provide in house ETP within 6 months. Till such time handed over to CETP for treatment and disposal.
	b) Washings	340	340	
	c) Cooling tower	500 (make up water)	25 (bleed off)	

  
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d) Scrubber	1,000	1,000	
e) DM/Softener rejects	220	220	

2. The quantity of Trade and Sewage effluent discharged shall not exceed the quantities stipulated below.
  - i. Trade effluent : 15, 521 LPD
  - ii. Sewage effluent : 1,500 LPD
3. The trade effluent shall be handed over to Board approved CETP M/s. ECO Engineering, Malur and the industry shall keep record of the effluent handed over, maintain log book and same has to be got verified by the R.O. Kolar
4. The applicant shall ensure the adequacy of the CETP to treat your effluent and shall ensure proper treatment and disposal of their trade effluent at CETP. If it is found that the CETP is not adequate, the applicant may find alternate CETP for proper treatment and disposal of trade effluent.
5. The applicant shall install integrated flow measuring/recording devices on the effluent line. A record of daily effluent discharge shall be maintained.
6. The collection tank shall be totally impervious and leak proof.
7. The applicant shall discharge the effluent only to the place mentioned in the consent order.
8. There shall not be any discharge of treated/untreated effluent inside/outside the industry premises.
9. The sewage effluent shall be treated in septic tank and soak pit designed as per IS 2470 Part I & II and no overflow from soak pit is allowed.
10. It is the sole responsibility of the applicant to treat the trade effluent with CETP authorities to the standards stipulated by the board. The applicant shall keep up the log book and effluent generated, influent characteristics quantities of effluent transported and receipts of CETP authorities.

**B. WATER CESS**

1. The applicant shall provide water meter at all the intake points as under Section (5) of Water Cess Act and shall file the Water Cess returns regularly and also pay the Cess Assessed with the time stipulated.

**C. EMISSIONS**

1. The discharge of emissions from the premises of the Applicant shall pass through the stacks/chimneys mentioned in **Annexure-I** 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 stacks/chimneys heights shall be as per **Annexure-I**.

  
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2. The hourly rate of emissions discharged and the tolerance limits of the constituents forming the emissions in each of the chimneys/stacks shall not exceed the limits laid down in **Annexure-I**.
3. The applicant shall provide port holes for sampling the emissions, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder.
4. The industry shall take all necessary measures to avoid odour nuisance from the process area, scrubber, effluent treatment plant, etc.

**D. SELF MONITORING AND REPORTING**

1. The applicant shall at his own cost get the samples of emissions collected and get them analyzed once a month for the parameters indicated.
2. The applicant shall carry out the ambient air quality monitoring and submit the report to the Regional Office of the Board. The AAQM stations shall be carried out in all the established stations as per the requirement under the National Ambient Air Quality Monitoring Standards stipulated in Environmental (Protection) Rules, 1986. The industry shall furnish statistical analysis for annual average of pollutants at all the locations as per Ambient Air Quality standards Notification once in a year.
3. The applicant shall monitor the hazardous air pollutants such as Benzene, Carbon tetra chloride 1-4 di-oxane, methanol, toluene, methyl chloride etc. and odorous compounds mercaptan and hydrogen sulphide from the process area general exhaust and from the process emission and report the results to the Board immediately

**E. ENVIRONMENTAL STATEMENT**

1. The applicant shall submit the Environmental Statement every year for the period ending 31<sup>st</sup> March in Form V of Rule as per Rule 14 of Environment (Protection) Rule 1986 on or before 30<sup>th</sup> September.

**F. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES 2016:**

1. The applicant shall comply with the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016.

**G. SOLID WASTE MANAGEMENT**

1. The solid waste collected in the Factory premises as sweepings wastage packaging, empty containers, Residue, sludge including those from air pollution control equipments shall be disposed off scientifically to the satisfaction of the Board with prior approval so as not to cause fugitive emissions, dust problems or water pollution problems through leaching etc., of any kind.

**H. NOISE POLLUTION CONTROL**

1. The applicant shall comply with the ambient noise standards as stipulated under the EP rule 1986.

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2. The applicant shall provide acoustic measures to the DG Sets as per SI. No. 94 in Schedule-I of EP Rules.

**I. GENERAL**

1. This consent for discharging sewage and/or Trade effluents from the factory shall not be taken or construed as the Board's permission to continue to discharge the sewage and/or Trade effluents from the factory into the place (as mentioned in this consent Order) which pollutes the water there-in endangering the life and property of the persons using the said water before, during or after the periods indicated in the Terms and Conditions of this Consent Order.
2. The Applicant shall not change or alter either the quality or quantity or rate of emission or install/replace or alter the air pollution control equipment, change in raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the prior permission of the Board.
3. 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.
4. The applicant shall not store any raw materials on naked ground. The applicant shall construct impervious dyke walls/tank form for storage tanks constructed above ground level.
5. The Applicant shall appoint a qualified environmental engineer/scientist for environment management in the factory and also establish an environmental cell.
6. The applicant shall comply with the guidelines under Corporate Responsibilities for Environment protection 2003 issued by Ministry of Environmental Forests and CPCB.
7. They shall maintain register recording the ambient air quality, stack monitoring and analysis report of treated effluents. The register shall be open for inspection by the Board Officers at all time.
8. An inspection Book shall be opened and made available to the Board Officers during their visit to the factory.
9. The entire premises shall be always kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
10. The industry shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
11. The applicant shall plant and maintain adequate number of trees in and around the industry to arrest the dust emissions escaping into the surrounding area and improve the environment and aesthetic appearance of the industry and the surrounding.

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**J. Ministry of Environment, Forest and Climate Change Conditions:**

**I. Industry shall comply the following Directions issued by CPCB to the Karnataka State Pollution Control Board, vide NO.B-29016/04/06/PCI-I/5401 Dated: 5.2.2014 and NO.B-29016/04/06/PCI-I/7187 Dated: 2.3.2015.**

1. Industry shall install Online continuous Stack Emission Monitoring Systems(CSEMS) for the measurement of emissions (Industry/Sector specific parameter) like,PM,NO<sub>x</sub>,SO<sub>2</sub>,Co etc.
2. Industry shall install Online Effluent quality monitoring system at the outlet of effluent treatment plants for the measurement of parameters (Industry/Sector specific parameter) like flow, pH, BOD, COD, and TSS etc.
3. Industry shall provide Online emission and effluent monitoring data shall be connected and uploaded to Board's and Central Pollution Control Board's Server.
4. Once in a month by 5<sup>th</sup>, the max, min & Average values and also the number of time, the exigencies recorded shall be submitted to Concerned Regional office of KSPCB.

**II. Ministry of Environment & Forest & climate Change has issued a Notification on 23<sup>rd</sup> November 2016, in respect of industries who are exempted from ministry for obtaining prior Environmental Clearance for expansion or modernization or change of product mix in the existing projects. In the said notification, it is directed to constitute a "Technical Committee" for evaluating such proposals submitted to State Pollution Control Board for obtaining Consents. Accordingly the Karnataka State Pollution Control Board has Constituted a Technical Committee vide dated: 22.2.2017 for scrutiny of such application received for "No increase in Pollution Load" Certification. The applicants who desires to claim "No increase in Pollution Load" Certificate shall submit the application to the respective Regional Officer, in the prescribed format, to examine before the above Committee in accordance with the procedure laid down in the 23<sup>rd</sup> November 2016 Notification.**

**III. Ministry of Environment, Forest and Climate Change has published Notification on 14.3.2017 for finalizing the process for apprised of projects for grant of Terms of Reference and Environmental Clearance, which have started the work on site, expanded the production beyond the limit of environmental clearance or changed the product mix without obtaining prior environmental clearance under the Environment Impact Assessment Notification, 2006.As per the said notification the Central Government directs that the projects or activities or the expansion or modernization of existing projects or activities requiring prior environmental clearance under the**

  
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Environment Impact Assessment Notification, 2006 entailing capacity addition with change in process or technology or both undertaken in any part of India without obtaining prior environmental clearance from the Central Government or by the State Level Environment Impact Assessment Authority, as the case may be, duly constituted by the Central Government under sub-section (3) of section 3 of the said Act, shall be considered a case of violation of the Environment Impact Assessment Notification, 2006 and will be dealt strictly as per the procedure specified in the following manner:-

1. In case the Projects or activities requiring prior Environmental clearance Environment Impact Assessment Notification, 2006 from the concerned Regulatory Authority are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted environmental clearance by the State Environment Impact assessment Authority constituted under sub-section (3) section 3 of the Environment(Protection) Act, 1986 shall be apprised for grant of environmental clearance only by the Expert Appraisal Committee and environmental clearance will be granted at the Central level.
2. In cases of violation, action will be taken against the project proponent by the respective state or state pollution Control Board under the provisions of section 19 of the environment (protection)Act, 1986 and further, no consent to operate or occupancy certificates will be issued till the project is granted the environmental clearance.
3. The cases of violation will be apprised by respective sector Expert Appraisal Committee constituted under sub-section (3) of Section 3 of the Environment(Protection) Act, 1986 with a view to assess that the project the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safe guards, and in case, where the finding of the Expert Appraisal Committee to negative, closure of the project will be recommended along with other actions under the law.
4. In case, where the findings of the Expert Appraisal Committee on point at sub-Para (3) above are affirmative, the projects under this category will be prescribed the appropriate terms of Reference for undertaking Environmental impact Assessment and preparation of Environment Management Plan. Further, the expert Appraisal Committee will prescribe a specific Terms and reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or a environmental laboratory accredited by National

  
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accreditation Board for testing and calibration Laboratories, or a laboratory of a Council of Scientific and Industrial research institution working in the field of environment.

5. The Expert Appraisal Committee shall stipulate the implementation of Environmental Management Plan, comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of environment clearance.
6. The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by Expert Appraisal Committee and finalized by Regularity Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regularity Authority.

The projects or activities which are in violation as on date of this notification only will be eligible to apply for environmental clearance under this notification only within six months from the date of this notification.

  
**CHIEF ENVIRONMENTAL OFFICER**

**ANNEXURE I**

Sl. No	Chimney attached to	Minimum chimney height to be provided above ground level	Rate of emission Nm <sup>3</sup> /Hr.	Constituents to be controlled in the emission	Tolerance limits mg/Nm <sup>3</sup>	Air pollution Control equipment to be installed, in addition to chimney height as per Col.(3)
1	2	3	4	5	6	7
1.	HSD fired Thermic Fluid Heater- 2 Lakh K. Cal	13 m AGL	--	SO <sub>2</sub>	--	---
2	Process / Flash Drier	5 m ARL	--	Acid Mist VOCs	35 --	Cyclone separator and water jet scrubber
3	250 KVA DG set	5 m ARL	--	SO <sub>2</sub>	--	Acoustic enclosure
4	Attached to Laboratory Area	3m ARL	--	Acid Mist	50	scrubber & packed fume extraction system
5	Attached to Neutralizing Tanks (8 No's)	3m ARL	--	Acid Mist	50	Scrubber
6	HSD fired Thermic Fluid Heater - 2 Lakh K. Cal/hr	13 m AGL	--	SO <sub>2</sub>	--	--
7	Process / Flash Drier	5 m ARL	--	Acid Mist VOCs	35 --	Cyclone separator and water jet scrubber

  
**CHIEF ENVIRONMENTAL OFFICER**