

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Date- 16/04/2015.

Consent No: Format 1.0/BO/CAC-CELL/EIC No. AM-5992-14/O/CAC-4289

To,
M/s. Ruchi Soya Industries,
S. No. 179, Surkandi Road, behind railway station, Washim,
Tal. & Dist. Washim.

Subject: Consent to Establish for Bio-mass base Power Generation unit under RED category.

Ref : 1. Consent granted by the Board to the existing unit vide no. BO/JD(WPC)/EIC No- AM-5697-14/R/CC-7742 dtd. 21.08.2014.
2. Minutes of CAC meeting held on 17/01/2015.

Your application: CE1408000063.
Dated: 09/06/2014.

For: Consent to Establish for Bio-mass base Power Generation unit under RED category, under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent is granted for a period up to: Commissioning of the Unit or 5 years whichever is earlier.
- Proposed capital investment of the Power plant is Rs. 49.22 Crs. & CI of the existing solvent extraction unit is Rs. 62.61 Cr.
(As per the C.A. certificate submitted by industry)

- The Consent is valid for the manufacture of -

Sr. No.	Product/By-Product Name	Maximum Quantity
1.	Bio-mass base Captive Power Generation	1.0 MW
2.	Texture Soya Protein	1000 T/M

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	13.60	As per Schedule -I	On land for gardening.
2.	Domestic effluent	3.0	As per Schedule -I	On land for gardening.

- Conditions under Air (P&CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved

6. Conditions about Non Hazardous Wastes:

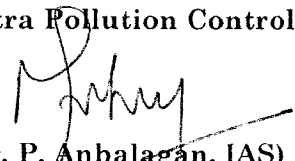
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
.....NIL.....				

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	ETP Sludge	34.3	3.30	Kg/D	—	CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. Industry shall submit the detailed information within 1 month as per Technical Appraisal Committee requirement. TAC to submit report and consent to be amended accordingly after report of Technical Appraisal Committee.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	Rs. 75,000/-	006025	03.06.2014	ICICI Bank

Copy to:

1. Regional Officer, Amravati & Sub-Regional Officer- Amravati II - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided Effluent Treatment Plant (ETP) with the design capacity of 300 CMD to the existing plant. Effluent generated from this unit will be treated in the existing ETP.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board (If any)
I. Compulsory Parameters		
Limiting Concentration in mg/l, except for pH		
01	pH	5.5 -9.0
02	Oil & Grease	10
03	BOD (3 days 27oC)	100
04	Total Dissolved Solids	2100
05	Chemical Oxygen Demand	250
06	Suspended Solids	100
07	Chloride	600
08	Sulphate	1000
09	% Sodium	60%
(2) Treatment for Cog-en Plant		
Condenser Cooling Water		
01	pH	6.5 to 8.5
02	Temperature	Not to exceed 5°C . Higher than the intake water temp.
03	Free available chlorine	0.5
Boiler Blow Down		
01	Suspended Solids	100
02	Oil & Grease	10
03	Copper (Total)	1
04	Iron (Total)	1
Cooling Tower Blow Down		
1	Free available chlorine	0.5
2	Zinc	1
3	Chromium (Total)	0.2
4	Phosphate	5

C] The treated effluent 13.60 CMD shall be used on 9.5 acres of land for gardening. In no case effluent shall find it's way outside the factory premises.

2) A] As per your consent application, you have proposed to provide septic tank & soak pit for the treatment of sewage generated from your unit.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

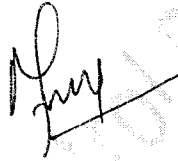
- (1) Suspended Solids. Not to exceed 100 mg/l.
- (2) BOD 3 days 27oC. Not to exceed 100 mg/l.

C] The treated sewage 3.0 CMD shall be disposed on land for gardening.

- 3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	72.0
2.	Domestic purpose	05.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	27.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.0

- 4) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act,1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1.	Gasifier	Multi cyclone type dust collector	40	Bagasse	26.4 MT/D	0.2%	105.6

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

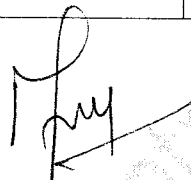
Particulate matter	Not to exceed	150 mg/Nm ³ .
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement, alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E	Rs. 10.0 Lacs	15 days	Compliance of Conditions of C to E.	Till obtaining 1 st Consent to Operate.	One Year
2	C to E for expansion	Rs. 1.0 Lacs	15 days	Submission of detailed information as per Consent condition no. 10.	One month	One Year



Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 8) /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 17) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss for meeting the ambient noise criteria. The enclosure should be of a suitable design and construction.