


MAHARASHTRA POLLUTION CONTROL BOARD

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Consent No./Environ 1/0/BO/CAC-CELL/EIC No. RD-2965-15/R/CAC- **4346** Date- **17/01/2015**.

To,
 M/s. Ruchi Soya Industries Ltd.,
 Patalganga, Savroli-Kharpada Road, Isambe, Khalapur,
 Dist. Raigad - 410220.

Subject: Consent to 1st Operate for captive power plant alongwith amalgamation of
 Renewal of Consent of existing plant under RED category.

- Ref : 1. Consent to Operate granted by the Board vide no. MPCB/JD (WPC)/EIC
 -RD -2274-12 / O /CAC-484 dtd. 28.06.2012.
 2. Consent to Establish granted by the Board to Captive Power Plant vide
 no. BO/JD (WPC)/RO Raigad/CAC-1661 dtd. 20.02.2014
 3. Minutes of CAC meeting held on 25 / 03 /2015.

Your application: CR 1412000210.
 Dated: 25/11/2014.

For: Consent to 1st Operate for captive power plant alongwith amalgamation of
 Renewal of Consent of existing plant under RED category.
 under Section 26 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: **31.03.2019**.
 The total capital investment of the industry is Rs. 278.20 Crs. (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 in MT/M
1.	Soya Refined Oils	5000 MT/M
2.	Sunflower Refined Oils	2500 MT/M
	Palm Refined Oils	27500 MT/M
3.	Vanaspati	3750 MT/M
4.	Nugget	1500 MT/M
5.	Soya Refined Oils	5000 MT/M
6.	Captive Power Plant	4.42 MW
By Products		
1.	Fatty acid	1404 MT/M
2.	Acid Oil	103 MT/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	122	As per Schedule -I	20 CMD Recycle & remaining 102 CMD to CETP.
2.	Domestic effluent	21.80	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
1	Boiler no. 1 (25 TPH)		As per Schedule -II
2	Boiler no. 2 (16 TPH)		As per Schedule -II
3	Boiler no. 3 (32 TPH)		As per Schedule -II
4	Thermic Fluid Heater 1		As per Schedule -II
5	Thermic Fluid Heater 2		As per Schedule -II
6	DG set of 1250 KVA	1	As per Schedule -II
7	DG set of 1250 KVA	1	As per Schedule -II

Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Coal Ash	4.4 MT/D	---	Sale to brick mfr.
2	Discarded Tins/ MS Scrap / Plastic Paper Box	2.0 MT/M	---	Sale to authorized party

6. 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	Spent Bleaching Earth	35.1	14.5	MT/D	---	Sale to authorized party
2	Spent Nickel Catalyst	35.2	20	Kg/D	---	Sale to authorized party
3	ETP Sludge	34.3	100	Kg/D	---	CHWTSDF

7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. Industry shall comply the conditions of Environmental Clearance granted by the SEAC vide dtd. 15.09.2014.
10. Industry shall submit the details of ETP & APC system 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

000526	18.08.2014	10000000
000526	18.08.2014	10000000

Industry has paid total fees of Rs. 27,82,000/- for the period up to 31.10.2019, however Board has granted Consent for the period up to 31.03.2019 as per sectoral, hence fees of Rs. 03,24,566/- is balance with the Board out of which fees of Rs. 75,000/- is deducted towards C to E for increased CI. Hence total fees of Rs. 2,49,566/- is Balance with the Board & same will be considered during next Renewal of Consent.

Copy to:

1. Regional Officer, Raigad - He is directed to forfeit the BG of Rs. 5 Lakh out of Rs. 10 Lakh obtained as per the condition no. 5 (a) & Rs. 5 Lakh out of Rs. 10 Lakh obtained as per the condition no. 5 (b) of the conditional directions of the conditional directions issued vide dtd. 17.05.2014. He is also directed to return All the BGs obtained as per the Conditional Directions issued vide dtd. 17.05.2014 shall be returned except the BGs of conditions no. 5 (a) & 5 (b).
2. Sub-Regional Officer- Raigad - I - He is directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. 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 existing Effluent Treatment Plant (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)
		Limiting Concentration in mg/l, except for pH
01	pH	6.0-8.5
02	Oil & Grease	10
03	BOD (3 days 27oC)	100
04	Suspended Solids	100
05	COD	250
06	Total Dissolved Solids	2100
07	Chlorides	600
08	Sulphates	1000

- C] Out of treated effluent 122 CMD, 20 CMD shall be recycle & reused in process & remaining 102 CMD shall be sent to CETP.
- 2) A.] As per your consent application, you have provided the septic tank & soak pit for the treatment of sewage generated from your industry.

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 21.80 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	488.0
2.	Domestic purpose	27.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	30.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	00.0

- 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 provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & EoM	S %	SO ₂ Kg/Day				
1	Boiler no. 1 (25 TPH)	Wet Scrubber	41	Coal	72 MT/D.	0.5%	720.0				
2	Boiler no. 2 (16 TPH)										
3	Boiler no. 3 (32 TPH)	ESP	50								
4	Thermic Fluid Heater 1	Bag Filter & wet scrubber provided.	30								
5	Thermic Fluid Heater 2										
6	DG set of 1250 KVA	---	6.3					HSD	140 Ltr./D	1 %	2.8
7	DG set of 1250 KVA	---	6.3								

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

NO. 11/2014

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Amount of BG forfeited from the imposed BG	Purpose of BG forfeiture
1	1 st C to O alongwith amalgamation with Renewal of existing Consent	Rs. 10.0 Lakh as per the conditional direction issued vide dtd. 17.05.2014 [condition no. 5 (a)]	Rs. 5.0 Lakh	• As the JVS results of the ETP Outlet are exceeding the Consented standards.
2	1 st C to O alongwith amalgamation with Renewal of existing Consent	Rs. 10.0 Lakh as per the conditional direction issued vide dtd. 17.05.2014 [condition no. 5 (b)]	Rs. 5.0 Lakh	• As the JVS results of the stack monitoring are exceeding the Consented standards.

NEW BG

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	1 st C to O alongwith amalgamation with Renewal of existing Consent	Out of Rs. 10.0 Lakh, BG of Rs. 5 Lakh forfeited & remaining BG of Rs. 5 Lakh to be extended & Rs. 10 Lakh top-up to be submitted to make total 15 Lakh.	15 days.	Industry shall Operate ETP to achieve Consented standards & treated effluent should be recycled/ reused to maximum extent & remaining should be sent to CETP for further treatment. In no case effluent shall find its way into inland surface water nalla or stream.	31.03.2019.	31.07.2019.
2	1 st C to O alongwith amalgamation with Renewal of existing Consent	Out of Rs. 10.0 Lakh, BG of Rs. 5 Lakh forfeited & remaining BG of Rs. 5 Lakh to be extended & Rs. 10 Lakh top-up to be submitted to make total 15 Lakh.	15 days.	Industry shall Operate APC systems to achieve Consented standards.	31.03.2019.	31.07.2019.
3	1 st C to O alongwith amalgamation with Renewal of existing Consent	Rs. 2 Lakh	15 days.	Industry shall submit design details required for the TAC 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 air and sewage effluents, air pollution and hazardous waste to the Board staff at the applicant's expense.
- 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 make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 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/room structure of the room should be designed for minimum 20 dB (A) insertion loss or for meeting the noise level standard, whichever is higher. In addition, a heavy duty door with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 18) The industry should not cause any nuisance in surrounding area.
- 19) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 20) The applicant shall maintain good housekeeping.
- 21) The applicant shall bring minimum 33% of the available open land under green coverage/plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 22) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 23) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 25) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 28) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 29) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

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