

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point,
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Mumbai - 400 022

Red/L.S.I

Date: 28/June/2012

Consent No.MPCB/JD(WPC)/EIC-RD-2274-12/O/CAC-484

Consent to Operate 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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

.....
CONSENT is hereby granted to

Ruchi Soya Industries Limited,
Khalapur, Isambe,
Patalganga Savroli-Kharpada Road Isambe Khalapur Raigad
,Maharashtra-410220
India

located in the area declared under the provisions of the Water Act. Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to: 31.10.2014
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Soya Refined Oils	5000	Ton/M
2	Sunflower Refined Oils	2500	Ton/M
3	Palm Refined Oils	27500	Ton/M
4	Vanaspati	3750	Ton/M
5	Nugget	1500	Ton/M
By-products			
i	Fatty Acid	1404	Ton/M
ii	Acid Oil	103	Ton/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 90.00M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 20.00M³.

(iii) **Trade Effluent :**

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1	pH	Between	5.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 days 27 Drg. C	Not to exceed	100 mg/l
4	COD	Not to exceed	250 mg/l
5	Oil & Grease	Not to exceed	10 mg/l
6	T.D.S.	Not to exceed	2100 mg/l
7	Chlorides	Not to exceed	600 mg/l
8	Sulphates	Not to exceed	1000 mg/l.

(iv) **Trade Effluent Disposal:** The treated trade effluent should be recycled/ reused to maximum extent and remaining should be sent to CETP. In no case effluent shall find its way into any inland surface water nalla or stream.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

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

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantit	UOM	Treatment	Disposal
1	Coal Ash	81.00	MT/M		Landfill
2	Discarded Tin /MS Scrap/ Pastic paper Box	2.00	MT/M		Sale to auth. Party

(viii) **Other Conditions:** Industry should monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

- | | | | | |
|-------|--|-----|-------|-----|
| (i) | Domestic purpose | ... | 25.00 | CMD |
| (ii) | Water gets Polluted &
Pollutants are Biodegradable | ... | 30.00 | CMD |
| (iii) | Water gets Polluted, Pollutants
are not Biodegradable & Toxic | ... | 0.00 | CMD |
| (iv) | Industrial Cooling, spraying | | | |

in mine pits or boiler feed ... 320.00CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. CONDITIONS UNDER AIR ACT :

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Control Equipment:

Industry shall provide dust collector of sufficient capacity to control the emissions.

6. 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 or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler 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. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- d. 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.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. 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
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set

7. Standards for Stack Emissions:

- (i) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	Coal	72.00	MT
2	Furnace Oil	4.00	MT
3	HSD	140.00	MT

- (ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler (I & II)	30.00
2	Thermic Fluid Heater-I	20.00
3	Thermic Fluid Heater-II	20.00
4	D. G. Set 2 Nos.	6.30

- (iii) 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.
- (iv) 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.
- (vi) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions and ambient air quality Regularly.

8. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

- (i) The Industry shall handle hazardous wastes as specified below.

Sr. No	Type Of Waste	Quantity	UOM	Disposal
1	35.1 Filters and filter material which have organic liquid	14.50	MT	Sale to party
2	35.2 Spent catalyst*	20.00	MT	Sale to party
3	34.3 Chemical sludge from waste water treatment	100.00	MT	CHWTSDF

- (ii) **Treatment: - NIL**
1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
 2. The industry should comply with the Hazardous Waste (M&H) Rules, 2003.

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3. CONDITIONS UNDER WATER ACT:

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- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric 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.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
10. The consent is issue with the approval of Consent Appraisal Committee meeting of Board held on 29/05/2012.
11. The Capital investment of the industry is Rs. 223.81 Cr.


 (Milind Mhaiskar)
 Member Secretary

To,
 Ruchi Soya Industries Limited,
 Khalapur , Isambe, Patalganga,
 Savroli-Kharpada Road, Isambe,
 Khalapur Raigad, Maharashtra-410220
 India

Copy to:
 Regional Officer, MPCB , Raigad.
 Sub-Regional Officer, MPCB, Raigad-I.
 CAO / Cess wing
 Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1169790	013895	14 Oct 2011	HDFC Bank