

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400022

Red/LSI

Consent order No: Format1.0/BO/CAC-Cell/UAN No. 0000025005/CE/CAC- 1710000103

Date- 09/2017.

06/10/2017

To,
M/s. Patanjali Food & Herbal Park Nagpur
Pvt. Ltd., Sector - 12-A / 16, MIHAN,
Tal. Hingna, Nagpur.

Sub : Consent to Establish for Food and Food Processing activity in Red Category.

Ref :

1. Environment Clearance granted to Maharashtra Airport Development Company Ltd., for setting up SEZ at MIHAN, Nagpur vide No. 21-197/2007 -IA.III dated 16.04.2008.
2. Minutes of Consent Committee meeting held on 23/08/2017.

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Your application No. 0000025005 Dated: 14.04.2017.

For: Consent to Establish Food and Food Processing activity in Orange 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 and Other Wastes (M & TM) Rules, 2016 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:

1. The consent is granted for a period up to Commissioning of the project or 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs. 1186.07 Crores. (As per undertaking submitted by project proponent)
3. The Consent to Establish is valid for construction of Industrial Park for Food and Food Processing activity named as M/s. Patanjali Food & Herbal Park Nagpur Pvt. Ltd., Sector - 12-A / 16, MIHAN, Tal. Hingna, Nagpur for total plot area of 9,47,571.33 Sq. Mtrs and total construction built up area (BUA) 3,94,650.00 Sq. Mtrs including utilities and services as per commencement certificate issued by local body. Consent is valid for the manufacture of following food processing activities -

Sr. No.	Product / By Product Name	Maximum quantity in Ton/Day
1	Amla Juice	100
2	Aloevera Juice	100
3	Orange Juice	100
4	Tomato Juice	100
5	Guava Juice	50
6	Mango Juice	50
7	Tetra pack	50
8	Biscuits	250
9	Digestive	50
10	Tomato / Green Chilli / Ketchup Purry	50
11	Jam / Mix Fruit	50
12	Sharbat & RTS	100

13	Atta	150
14	Atta for Biscuits	300
15	Extraction (40 Ton continuous, 5 ton continuous and 5 ton Batch) 1 Each	50
16	Candy (bel, Amla, carrot, Ginger)	100
17	Honey	50
18	Milk Plant	250

3. 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	3,045.5	As per Schedule -I	100% recycle so as to achieve zero liquid discharge
2.	Domestic effluent	214	As per Schedule -I	

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1	DG Set (1500 KVA x 3Nos)	1500 KVA	3	As Per Schedule -II

5. Conditions under Solid Waste Management Rules, 2016:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio degradable Waste	1710 Kg/Day	OWC	Used as Manure
2	Non Bio degradable Waste	170 Kg/Day	--	Segregate and Hand over to Local Body for recycling
3	STP Sludge	As per actual	--	Used as Manure

6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste:

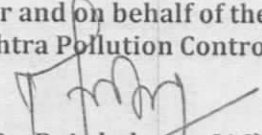
Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1.	Used /spent oil (Cat. No. - 5.1)	50	Ltr/Day	--	Sale to authorized recycler vendor

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
- Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of Environment clearance and C to E.
- Every individual industry proposed to be located in the industrial park shall obtain Consent to Establish and Operate separately from Maharashtra Pollution Control Board.
- Applicant shall provide common pollution control infrastructure facility and ensure that the individual industries / units shall enter in to MOU with industrial park to ensure operation and maintenance of the common ETP, common STP, OWC and other assets.
- The applicant shall revalidate and amend the Environment clearance (obtained by Maharashtra Airport Development Company Ltd., for setting up SEZ at MIHAN, Nagpur

vide No. 21-197/2007-IA.III dated 16.04.2008) and shall comply the conditions stipulated in Environmental Clearance after revalidation.

14. The PP shall recycle 100% treated trade & domestic effluent so as to achieve zero liquid discharge by providing adequate capacity of ETP & STP consisting primary, secondary and tertiary treatment followed by three stage Reverse Osmosis system and Multiple Effect Evaporator so as to achieve Zero Liquid Discharge (ZLD).

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	D.R. No.	Date	Drawn On
1.	Rs. 23,72,140/-	0197706	12.05.2017	Punjab National Bank (RTGS)

Copy to:

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

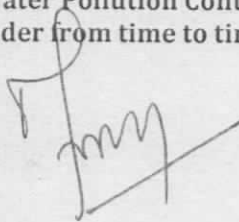
Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide Effluent Treatment Plant (ETP) with designed capacity 3260 CMD consisting primary, secondary and tertiary treatment system with three stage Reverse osmosis (RO) followed by Multiple Effect Evaporator (MEE) so as to achieve zero liquid discharge.
B] The effluent generated from Food & Food processing industries shall be segregated and treated effluent shall be 100% reuse so as to achieve zero liquid discharge. There shall not any discharge to CETP or outside the factory premises and in no case treated trade effluent shall find its way to nearby stream/river or used on land for gardening/irrigation purpose.
- 2) A] As per your consent application, you have proposed to provide Sewage Treatment plant with designed capacity 450 CMD.
B] The treated domestic effluent shall be 100% reused/recycle in cooling tower, etc so as to achieve zero liquid discharge. There shall not any discharge to CETP or outside the factory premises and in no case trade effluent shall find its way to nearby stream/river or used on land for gardening/irrigation purpose.
- 3) 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 should obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto
- 4) The industry should 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.
- 5) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent should submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various category of water consumption.
- 6) 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	400.3
2.	Domestic purpose	642.4
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	2817.5
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil

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.



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:-

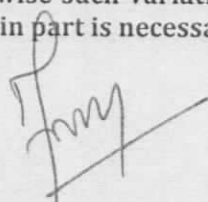
Sr. No.	Stack Attached to	APC System	Height in Mtrs	Type of Fuel	Quantity (T/Hr)	S %	SO ₂ T/Day
1.	Boiler (8 Ton capacity)	Bag Filter	30	Coal & Briquette	17.52	0.5	4.2
2.	Boiler (10 Ton capacity)	Bag Filter	30	Coal & Briquette			
3.	Boiler (12 Ton capacity)	Bag Filter	30	Coal & Briquette			
4.	D. G. Set (1500 KVA x 3Nos)	Acoustic Enclosure	7.7*	HSD	320 Ltr/Hr	1	--

Control Equipment's: -

1. Industry shall provide adequate air pollution control equipment's to control air emissions at all sources of secondary emissions.
2. Fume extraction system followed by scrubber of adequate capacity shall be provided to limit the gaseous emissions.
3. The secondary emission control system shall be provided to limit the emissions generated during the process of loading of raw material as well as unloading of products.
4. The Applicant shall provide Specific Air Pollution control equipment's as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance. (Concern section shall mention specific control equipment's)
5. 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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2. 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.
3. 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

Proposed Bank Guarantee:-

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	10/- Lakhs	15 days	Towards compliance of Consent to Establish conditions	COU	Five years from date of issue of Consent

[Handwritten Signature]

Maharashtra Pollution Control Board

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 and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 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) 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).
- 12) 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.
- 13) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 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 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) 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.

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