

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- Formate 1.0/ BO/CAC-Cell/ EIC No RD-2586-13/5th CAC **5854**
Date- 20/06/2014

To,
Privi Organics Ltd,
Plot no. C-3,4,5,6,6/1,8,9,33/1,& X-9,10,11
MIDC Mahad, Maharashtra - 402301.

Subject: Renewal of two consents and amalgamation of the two with the existing valid consent. RED category.

- Ref : 1. Earlier Consent granted vide no. BO/RO-Raigad/AS(T)EIC-RD-1665-10/R/CC-221 dtd 04/11/2011
2. Earlier Consent granted vide no. BO/JPD-PAMS/EIC No.Rd-2437-12/R/CC-MPCB/13/00823 dtd 24/01/2013.
3. Earlier Consent granted vide no. MPCB/13/00472 dtd 14/01/2013
4. Minutes of CAC meeting held on 29.05.2014

Your application: CO1309000053
Dated: 11/07/2013

For: Renewal of two consents and amalgamation of the two with the existing valid consent.

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 from 01.07.2013 to 28.02.2017.
- The actual capital investment of the industry is Rs.113.67 Crs. (As per C.A.Certificate submitted by the Industry)
- The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
Plot No. C-3,4,5,8,9,33/1		
1	Esters -Para Tertiary Butyl Cyclo Hexyl Acetate, Ortho Tertiary Butyl Cyclo Hexyl Acetate, Styrallyl Acetate (SA), Terpinyl Acetate (TA), Citronellyl Acetate (COLA), Geranyl Acetate(GOLA), Dimethyl Octonol A, Nerol A, ISO Boronyl Acetate, Longifolene Acetate	297.0 MT/M
2	Alcohols - Citronellol (Col), Geraniol (Gol), Damascone (DMO), Nerol, Terpeneol, Dihydromyrcenol	445.0 MT/M
3	ISO Boronyl Cyclo Hexanol	1 MT/M
4	Rose Oxide	3 MT/M
5	Timber Touch	2 MT/M
6	Nitriles - Geranyl Nitrile or Citronellyl Nitrile	10 MT/M
7	Lonones-GMI,NMI,AI,BI-Gammanolene	50 MT/M
8	Geraniol Formate	5 MT/M
9	Citronellol Formate	5 MT/M

	Citronellyl Acetate, Timbertouch					
13	By product ISO Longifolene from product-longifolene.Ketone	20.1	3.0	MT/M	----	Sale to Auth. Party
14	By product sulphuric Acid from product-Dihydromyrcenol	20.2	100	MT/M	----	Sale to Auth. Party
15	By product Spent Chromium sulphate from product-Alpha Demoscone	20.2	75.0	MT/M	----	Sale to Auth. Party
16	MEE Sludge	36.1	27.0	MT/M	----	Sale/ CHWTSDF
17	Oil soaked gaskets and cotton waste)	5.2	5	Kg/M	----	In-house Incinerator
18	Distillation residue	20.3	50.0	MT/M	----	CHWTSDF/ Sale to Auth. party
19	Discarded Containers Barrels/ Liners	33.3	100.0	MT/M	----	Sale to Auth. Party
20	Used/ spent oil	5.1	50	Ltr/M	----	Sale to Auth. Party

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 carry out treatability study of ETP by 31.8.2014 and submit BG of Rs. 2 lakh by 23.6.2014 towards the compliance of the same.
11. This consent is issued by overriding consent no. MPCB/13/00472 dtd. 14.01.2013.

For and on behalf of the
Maharashtra Pollution Control Board

(Rajeev Kumar Mital, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	682040/-	245688	11.06.2013	S.B.I.
2.	115826	554525	12.06.2014	S.B.I.

Copy to:

1. Regional Officer - Raigad and Sub-Regional Officer-Mahad, MPCB, Mahad
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.

10	Camphene	1 MT/M
11	ISO Longifoline Ketone	1 MT/M
12	Evernyl or Prionyl	10 MT/M
13	Rosaxanol	1 MT/M
14	Muganol	6 MT/M
15	Polysantol (Super Sandal Core)	2 MT/M
CST Plant Products (Plot No. C-6/1)		
1	Alpha Pinene	8000 MT/A
2	Beta Pinene	2600 MT/A
3	Limonene	1000 MT/A
CST Plant By-Products (Plot No. C-6/1)		
1	Calcium sulphate/Sodium Sulphate	900 MT/A
2	Heavy fractions	1400 MT/A
Hydrogen Plant Products (Plot No. C-6)		
1	Hydrogen Generation	15 MT/M

4. 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	162	As per Schedule -I	Out of 162 CMD of effluent, 55 CMD from CST plant is directly recycled in the process. Effluent of 107 CMD goes to ETP. 37 CMD of treated effluent is recycled in process and remaining is discharged in CETP .
2.	Domestic effluent	28	As per Schedule -I	CETP

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boilers	2 Nos.	As per Schedule -II
2.	DG set (750 KVA,1000 KVA, 380 KVA)	3 Nos.	As per Schedule -II
3.	Incinerator	1 Nos.	As per Schedule -II
4.	TFH	1 Nos.	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Boiler Ash	2.25 MT/Day	---	Sale to brick Mfg./Land filling
2	Metal scrap	200.00 Kg/M	---	Sale to auth. party
3	Insulation Waste	100.00 Kg/Day	---	Sale to auth. party
4	Packaging Material	300.00 Kg/M	---	Sale to auth. party
5	Packaging material paper wood, glass etc.	17 Kg/Day	---	Sale to auth. party

6	Insulation material	10 Kg/Day	---	Sale to auth. party
7	Metal scrap	500 Kg/Day	---	Sale to auth. party
8	Canteen Waste	5.0 Kg/Day	---	Sent to vermiculture
9	Boiler Ash	600 Kg/Day	---	Sale to brick Mfg./Land filling

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	8.0	Ton/M	----	CHWTSDF
2	Spent Catalyst	35.2	200	Kg/M	----	Sale to Auth. Party
3	Discarded Barrels	33.3	1000	Nos./Yr	----	Sale to Auth. Party
4	Spent Oil (Waste/used oil)	5.1	400	Kg/M	----	Sale to Auth. Party
5	Discarded Asbestos	15.2	400	Kg/Yr	----	Sale to Auth. Party
6	By product Di Pentene fro, product-Terpineol	20.1	2.0	MT/M	----	Sale to Auth. Party
7	By product Spent Phosphoric Acid from Product- Ionones	20.2	2.0	MT/M	----	Sale to Auth. Party
8	By product Tops & bottoms from product Terpineol	20.3	10.0	MT/M	----	Sale to Auth. Party
9	By product pine oil from product - Terpineol	20.1	30.0	MT/M	----	Sale to Auth. Party
10	By product DD turpentine oil from product Terpineol	20.2	30.0	MT/M	----	Sale to Auth. Party
11	By products Tops and bottom product Di hydro myrcenol	20.3	12.0	MT/M	----	Sale to Auth. Party
12	By product Tops & residue from product-lonone Dihydro myrcenol, Para Tertiary Butyl Cyclo Hexyl Acetate (PTBCHA), Ortho tertiary Butyl Cyclo Hexyl Acetate(OTBCHA), Teripinyl Acetate, Citronellol, Geraniol, Geranyl Acetate,	20.3	10.0	MT/M	----	Sale to Auth. Party

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 160 CMD with RO of 300 CMD & MEE of 72 CMD.

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. Out of 162 CMD of effluent, Effluent of 55 CMD from CST plant is directly recycled in the process. Remaining effluent of 107 CMD goes to ETP for treatment.

Sr No.	Parameters	Standards prescribed by Board (If any)
		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	Bioassay Test	90% survival of fish after first 96 hrs in 100% effluent
06	Phenolics (C6H5OH)	1.0
07	Phosphate(as P)	5.0
08	Suspended Solids	100
09	COD	250
10	Chloride	600
11	Sulphate	1000
12	TAN	50

C) Out of treated 107 CMD of effluent, 37 CMD shall be recycled in process and remaining 70 CMD shall be discharged to the CETP. In no case, trade effluent should find its way to local nalla.

2) A] As per your consent application, you have provided the septic tanks. The overflow of septic tank is treated in existing ETP.

B] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable.

3) A register showing the quantity of recycle of treated effluent in the process shall be maintained.

4) If CETP does not operate efficiently and problem of pollution occurs, industry shall voluntarily stop the production or total effluent shall be reused.

5) 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/and extension or addition thereto.

- 6) 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.
- 7) 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	468
2.	Domestic purpose	40
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	190
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	—
5.	Agriculture/ Gardening	24

- 8) 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-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler I (6 TPH)	Cyclone dust collector	30	FO	4100 Lit/Day	2.5	369
2	Boiler II (6 TPH)	Cyclone dust collector		Coal	22.5 TPD	0.1 to 0.2	90
3	Boiler III (18 / 08 TPH)	Cyclone dust collector	42	Coal	67.5 TPD	0.1 to 0.2	270
4	D.G.Set (750 KVA)	Stack	12	HSD	60 Ltr/Hr	0.25 %	7.2
5	D.G.Set (1000 KVA)	Stack	12	HSD	80 Ltr/Hr	0.25 %	9.6
6	D.G.Set (380 KVA)	Stack	12	HSD	45 Ltr/Hr	0.25 %	5.4
7	Incinerator	Scrubber	30	HSD	240 Ltr/Day	0.25 %	1.2
8	Thermic Fluid Heater	Stack	30	FO	300 Ltrs/Day	2.5	14.5

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.
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:

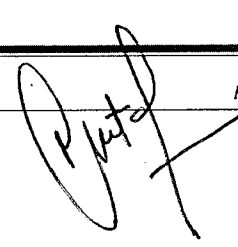
Particulate matter	Not to exceed	150 mg/Nm ³ .
HCL	Not to exceed	35 mg/Nm ³
NO _x	Not to exceed	50 ppm
Acid Mist	Not to exceed	35 ppm

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement 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	Submissi on Period	Purpose of BG	Complian ce Period	Validity Date
1	C to R	Rs 5 lakhs	By 23.06.2014	O & M of Pollution Control Systems	28.02.2017	30.6.2017
2	C to R	Rs 2 lakhs	By 23.06.2014	Carry out treatability study of ETP.	31.08.2014	31.12.2014

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) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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/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 Hazarsous 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/ 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 official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

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