

# MAHARASHTRA POLLUTION CONTROL BOARD

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Red/LSI

Date: 19/07/2016.

Consent No: Format -1.0/BO/CAC-CELL/EIC NO.AD---16/O/CAC-9243

To,  
M/s. Radico (NV) Distilleries Maharashtra Ltd.,  
G. No. 12, Vill. Takli Mali,  
Tal. & Dist. Aurangabad.

Subject : 1<sup>st</sup> Consent to Operate for Compost yard of 6 acres area for the disposal of spent wash generated from M/s. Radico (NV) Distilleries Maharashtra Ltd., Plot No. 192 to 195, MIDC Shendra at proposed site located at G. No. 12, Vill. Takli Mali, Tal. & Dist. Aurangabad.

Ref : 1. Consent to Establish granted by the Board vide no. BO/CAC-CELL/EIC No. AD- 17848-15/E/CAC-4981 dtd. 16.04.2016.  
2. Minutes of CAC meeting held on 08/07/2016.

Your application: CO1604000120.  
Dated: 29.04.2016.

For: 1<sup>st</sup> Consent to Operate for Compost yard of 6 acres area for the disposal of spent wash generated from M/s. Radico (NV) Distilleries Maharashtra Ltd., Plot No. 192 to 195, MIDC Shendra at proposed site located at G. No. 12, Vill. Takli Mali, Tal. & Dist. Aurangabad, 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 annexed to this order:

1. The consent is granted for Compost yard of 6 acres area for the disposal of spent wash as per CREP norms for a period up to 31.08.2016.
2. The total capital investment of the proposed composting activity is Rs. 16 Cr. & CI of the existing distillery unit is Rs 306.03 Cr. (As per C.A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UoM
1	Bio-Compost	9500	MT/A

Bio-composting activity on 6 acres of compost yard & transportation of 186 CMD concentrated spent wash generated from M/s. Radico (NV) Distilleries Maharashtra Ltd., Plot No. 192 to 195, MIDC Shendra at proposed compost site located at G. No. 12, Vill. Takli Mali, Tal. & Dist. Aurangabad

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	Nil	NA	NA
2.	Domestic effluent	0.8	As per schedule - I	On land for gardening.

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

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

6. Conditions under Hazardous Waste (M, H & T M) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type of Waste	Category	Quantity	UOM	Disposal
-----NIL-----					

7. Non-Hazardous Solid Wastes:

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	Yeast Sludge	90	MT/A	Bio composting	As a manure

8. This 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 agencies.
10. Industry shall transport 186 CMD concentrated spent wash through tankers of 20 KL capacity.
11. Industry shall ensure that all the tankers used to transport of spent wash to be fitted with web base GPS system to record the position from origin to destination.
12. Industry shall submit the details of the spent wash sent to bio-composting facility, to SRO office on monthly basis through e-mail at [sroaurangabad1@mpcb.gov.in](mailto:sroaurangabad1@mpcb.gov.in)
13. Industry shall comply the CREP conditions.

For and on behalf of the  
Maharashtra Pollution Control Board

*(P. K. Mirashe)*  
(P. K. Mirashe)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (₹)	DD. No.	Date	Drawn On
01	Rs. 50,100/-	571382	18.04.2016	SBI Bank
02	Rs. 26,666/-	571489	15.07.2016	SBI Bank

Copy to:

1. Regional Officer - MPCB Aurangabad - He is directed to release the BG of Rs. 10 Lakh submitted towards compliance of C to E conditions.
2. Sub-Regional Officer - Aurangabad, MPCB, He is directed to ensure the compliance of the consent conditions and monitor the activity on weekly basis.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

## Schedule-I

### **D) Terms & Conditions for compliance of Water Pollution Control**

#### **A) Conditions for Aerobic Composting:**

- i. The spent wash should be stored in impervious tanks. The spent wash tanks should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation and undertaking given by the company, storage should not exceed 30 days capacity.
- ii. Applicant shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.
- iii. Composted material shall meet the following specifications—

Moisture	...	30 to 35%
C/N	...	Below 17
Nitrogen	...	1.5 to 2%
Phosphorous	...	1.5 to 2%
Potassium	...	3 to 4%
- iv. The composting site shall be prepared as per the guideline enclosed. Composting shall be such that it includes mechanical mixing and spraying of spent wash along with mechanical aeration to ensure thorough composting. Hand/ manual spraying of spent wash shall not be permitted.
- v. The compost leachate (1 gr. of compost mixed with 100 ml. of distilled water and filtered) Filtrate shall conform to the following limit.

pH	Between	7.5 to 8.0
BOD 3 days 27 Deg. C.	Not to exceed	30 mg/l.
- vi. A pucca leak proof guard pond of 30 days holding capacity as per (i) above shall cope up with the effluent discharge during short term process disturbances. In case of prolonged disturbance in effluent treatment and disposal system, distillery shall be shut down and shall not be restarted without rectifying the system.
- vii. The composting site/pits shall be made leak proof by proper lining. A catch drain shall be provided around the composting site to collect the storage pond for application on compost depots. Arrangements for overturning of compost material in windrows and spraying of spent wash shall be made to ensure appropriate aeration and uniform distribution of spent wash.
- viii. In case of composting in open fields, the application of spent wash shall stop by end of April, so that compost is ready and the site is cleared of the composted manure before monsoon (i.e. 31st May). The manure shall be collected and stored on a raised platform with suitable rain cover so that the compost manure is not washed away by rain/runoff.
- ix. Characteristic of soil, ground water and effect on crop yield should be monitored in the area where compost is used as manure and results thereof shall be compiled and reported in the Environment statement to be submitted every year.
- x. The test wells shall be provided around the compost site for ground water monitoring. The well water quality has to be maintained at 2006 level.
- xi. Top pullover impervious sheets shall be provided for entire compost yard, press mud and compost storage so as to cover the same during untimely rains and idles period.

- 1) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.

- 2) 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 if applicable.

- II) **Conditions under Water (Prevention & Control of Pollution) CESS Act, 1977 as amended**  
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, boiler feed etc.,	00.0
2.	Domestic purpose	1.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	00.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	—

**Schedule-II**

**Terms & conditions for compliance of Air Pollution Control**

**Not Applicable as steam is not required.**

**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	10/- Lakhs	15 days	Compliance of conditions of C to E.	Till obtaining 1 <sup>st</sup> C to O.	1 year

**Schedule-IV**

**General Conditions**

**Not Applicable.**