CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', `the Rules') to:

M/s.KBK Biotech Private Limited, (After expansion)  
(Formerly M/s.Milano Spirits India Pvt., Ltd.,),  
R.Sy.No.73/1, 74/1, 74/2, 75/1, 75/2, 76/1, 76/2, 77/1, 77/2, 78, 79/1, 79/2, 82/1, 82/2, 83/1 & 83/2, Chinnabramadevam Village, Peddapuram Mandal, East Godavari District  
E-mail: kbkbioitech@gmail.com

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i. Outlets for discharge of effluents:

<table>
<thead>
<tr>
<th>Outlet No.</th>
<th>Outlet Description</th>
<th>Max Daily Discharge KLD</th>
<th>Point of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molasses based</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Spent wash (Thin slope of evaporation)</td>
<td>150</td>
<td>Shall be treated in MEE. MEE concentrate shall be used as fuel in boiler or shall be dried as powder (Potash) to sell as fertilizer. MEE condensate shall be treated in the ETP. After treatment, shall be recycled for cooling tower makeup.</td>
</tr>
<tr>
<td></td>
<td>Cooling tower &amp; boiler blow down</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Grain based</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Spent wash (Thin slope of evaporation)</td>
<td>172</td>
<td>Shall be treated in MEE. MEE concentrate shall be dried as powder to sell as cattle feed. MEE condensate shall be treated in the ETP. After treatment, shall be recycled for cooling tower makeup.</td>
</tr>
<tr>
<td></td>
<td>Cooling &amp; boiler blow down</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RO Rejects</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Domestic effluents</td>
<td>10</td>
<td>Septic tank followed by soak pit</td>
</tr>
</tbody>
</table>
ii) Emissions from chimneys:

<table>
<thead>
<tr>
<th>Chimney No.</th>
<th>Description of Chimney</th>
<th>Quantity of Emissions at peak flow (m³/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Attached to 1 X 20 TPH Coal &amp; Biomass fired boiler</td>
<td>--</td>
</tr>
<tr>
<td>2.</td>
<td>Attached to 2 X 250 KVA DG sets</td>
<td>--</td>
</tr>
<tr>
<td>3.</td>
<td>Attached to 500 KVA DG set</td>
<td>--</td>
</tr>
</tbody>
</table>

iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]:

M/s.KBK Biotech Private Limited, (Formerly M/s.Milano Spirits India Pvt., Ltd.), Chinnabramadevam Village, Peddapuram Mandal, East Godavari District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

- HAZARDOUS WASTES WITH RECYCLING OPTION:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Hazardous Waste Stream</th>
<th>Quantity</th>
<th>Method of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Used oil Schedule - I 300 LPA</td>
<td>Used as lubricant within the premises / to authorized re-processors / Recyclers / to the cement industries to use as alternate fuel in the kiln</td>
<td></td>
</tr>
</tbody>
</table>

This consent order is valid for the following products along with quantities indicated only:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Product</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Rectified Spirit / Extra Neutral Alcohol / Ethanol (molasses or grain based)</td>
<td>20 KLD (600 KL/month)</td>
</tr>
<tr>
<td>2.</td>
<td>Rectified Spirit / Extra Neutral Alcohol / Ethanol (Grain based only)</td>
<td>39 TPD</td>
</tr>
<tr>
<td>3.</td>
<td>Co-Generation Power</td>
<td>2.1 MW</td>
</tr>
<tr>
<td>4.</td>
<td>CO₂</td>
<td>40.0 TPD</td>
</tr>
<tr>
<td>5.</td>
<td>DWGS/DDGS</td>
<td>118 TPD / 59 TPD</td>
</tr>
</tbody>
</table>

This order is subject to the provisions of ‘the Acts’ and the Rules’ and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the 30th day of June, 2024.

VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB
To
M/s. KBK Biotech Private Limited,
(Formerly M/s. Milano Spirits India Pvt., Ltd.,)
R.Sy.No.73/1, 74/1, 74/2, 75/1, 75/2, 76/1, 76/2,
77/1, 77/2, 78, 79/1, 79/2, 82/1, 82/2, 83/1
& 83/2, Chinnabramadevam Village,
Peddapuram Mandal, East Godavari District

Copy to :
1. The JCEE, Zonal Office, Visakhapatnam for information and necessary action.
2. The Environmental Engineer, Regional Office, Kakinada for information and
necessary action.

SCHEDULE-A
1. Any up-set condition in any industrial plant / activity of the industry, which result
in, increased effluent / emission discharge and/or violation of standards stipulated
in this order shall be informed to this Board, under intimation to the Collector and
District Magistrate and take immediate action to bring down the discharge /
emission below the limits.
2. The industry should carry out analysis of waste water discharges or emissions
through chimneys for the parameters mentioned in this order on quarterly basis and
submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of
India regarding Public Liability Insurance Act, 1991 should be followed as
applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places
at the main gate indicating the products, effluent discharge standards, air emission
standards, hazardous waste quantities and validity of CFO and exhibit the CFO
order at a prominent place in the factory premises.
5. Not withstanding anything contained in this consent order, the Board hereby
reserves the right and powers to review / revoke any and/or all the conditions
imposed herein above and to make such variations as deemed fit for the purpose of
the Acts by the Board.
6. The applicant shall submit Environment statement in Form V before 30th September
every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
7. The applicant should make applications through Online for renewal of Consent
(under Water and Air Acts) and Authorization under H&OW (M&TM) Rules, 2016 at
least 120 days before the date of expiry of this order, along with prescribed fee
under Water and Air Acts and detailed compliance of CFO conditions for obtaining
Consent & HW Authorization of the Board. The industry should immediately submit
the revised application for consent to this Board in the event of any change in the
raw material used, processes employed, quantity of trade effluents & quantity of
emissions. Any change in the management shall be informed to the Board. The
person authorized should not let out the premises / lend / sell / transfer their
industrial premises without obtaining prior permission of the State Pollution Control
Board.
8. Any person aggrieved by an order made by the State Board under Section 25,
Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within
thirty days from the date on which the order is communicated to him, prefer an
appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate
authority constituted under Section 28 of the Water(Prevention and Control of
Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution)
Act, 1981.
1. M/s. Milano Spirits India Private Limited used to operate a molasses based distillery unit of 20 KLD capacity. The CFO of M/s. Milano Spirits India Private Limited expired on 28.02.2013 and the unit had become sick and sold out to present management i.e. M/s. KBK Biotech Limited. M/s. KBK Biotech Limited vide orders dt: 11.01.2017 & 05.03.2019 obtained the CFE (expansion) for production of i) Rectified Spirit / Extra Neutral Alcohol / Ethanol (molasses or grain based) - 20 KLD (600 KL/month); ii) Rectified Spirit / Extra Neutral Alcohol / Ethanol (Grain based only) - 39 TPD; Co-Generation Power- 2.1 MW; CO2- 40.0 TPD; and DWGS/DDGS -118 TPD /59 TPD. Now, the industry applied CFO & HWA for expansion through APOMMS for a period up to 30.06.2024. The representative of the industry attended the meeting and informed that they have installed the online emission monitoring system to the 20 TPH boiler; provided digital flow meters with webcam at MEE and ETP; represented the CPCB for revocation of the closure order; storm water drains along the periphery of the site will be completed in 1 month; provided storm water collection tank; internal roads will be completed in 1 month; will establish a AAQM station within 1 month; green belt in an area of 11 acres will be developed in this monsoon season. After detailed discussions on verification report of the EE, RO: Kakinada, agenda and submissions of the representatives of the industry, the committee recommended to issue CFO & HWA order to the industry with a validity period up to 30.06.2024 with a condition that the industry shall start the operation only after obtaining the revocation of the closure order dt: 18.03.2016 issued by CPCB.

2. The industry shall start the plant only after obtaining revocation of closure order dt: 18.03.2016 issued by CPCB.

WATER POLLUTION:

1. The industry shall recycle the entire waste water into utilities and there shall not be any discharge of waste water. Under no circumstances the effluents shall be discharged outside the industry premises.

2. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

<table>
<thead>
<tr>
<th>S.No</th>
<th>Purpose</th>
<th>Quantity (Molasses 20 KLPD / Grain based 39 KLPD) (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Process and Washings</td>
<td>200 / 201</td>
</tr>
<tr>
<td>2</td>
<td>Cooling and boiler makeup</td>
<td>140 / 78</td>
</tr>
<tr>
<td>3</td>
<td>RO Feed (ENA Plant &amp; Boiler makeup)</td>
<td>0 / 81</td>
</tr>
<tr>
<td>2</td>
<td>Domestic</td>
<td>25 / 0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>365 / 360</td>
</tr>
</tbody>
</table>
3. Digital flow meters with totalizers with necessary pipelines shall be provided & maintained so as to assess the water used for different purposes and maintain them properly and also maintain the records of the readings.

4. The industry shall provide digital flow meters with totalisers at inlet and outlet of collection tank, MEE feed, separately for measuring effluent generation, treatment and recycled.

5. The spent wash generation shall not exceed 3 KL / KL of alcohol produced. Spent wash shall be treated through decanter and concentrated in Multiple-Effect Evaporator (MEE) to form DWGS. DWGS will be sent to dryer to form DDGS (45 TPD at 88 - 90 % solids). The output is dry powder and shall be used as Cattle feed. The condensate, spent lees and utilities effluent shall be treated in the ETP comprising tertiary treatment. No effluent shall be discharged outside the premises and ‘Zero’ discharge shall be maintained.

6. The industry shall store spent wash in closed tanks with a capacity of 2-3 days. Under any circumstances the industry shall not store spent wash in lagoons.

7. The industry shall provide Piezo-wells for ground water quality monitoring around the plant and submit monthly reports to the RO, Kakinada.

8. The industry shall provide concrete drains near processing sections such that the spillages, leakages are collected and connected to ETP for further treatment. Storm water drains along the periphery of the site shall be completed in 1 month as committed in the CFO committee meeting held on 17.07.2019.

9. The industry shall ensure that there shall not be additional usage of resources of water.

AIR POLLUTION:

10. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

<table>
<thead>
<tr>
<th>Chimney No.</th>
<th>Parameter</th>
<th>Emission Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter</td>
<td>50 mg/Nm³</td>
</tr>
</tbody>
</table>

11. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/ m³; PM2.5 (Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO2 - 80 µg/ m³; NOx - 80 µg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)  
Night time (10 PM to 6 AM) - 70 dB (A)

12. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification

13. The industry shall take proper measures for controlling odour pollution within and around the factory premises.

14. Ambient Air Quality monitoring stations shall be setup in the down wind direction as well as where maximum ground level concentration of PM2.5, PM10 SO2, NOx & HCl (methane & non-methane) are anticipated in consultation with concerned Regional Office within 1 month as committed in the CFO committee meeting held on 17.07.2019.

15. The industry shall maintain continuous online emission monitoring system to the stack attached to the boiler and connect the monitoring data to the CPCB & APPCB.

16. The industry shall maintain a log register to record the energy meter readings pertaining to the operation of the Air Pollution Control equipments and maintain a log register to record the break-down of the Air Pollution Control equipment.

GENERAL:

17. The industry shall not operate Distillery unit more than 270 days (i.e., they shall not operate the unit during rains) as per the CPCB guidelines. To ensure compliance of this restriction, the industry should submit details of stop time, date and restart time and date clearly indicating compliance to RO, Kakinada.

18. The industry shall provide web camera and flow meters in the channel/drain provided for carrying the effluent from within the premises of the unit as per CPCB directions for 17 category of industries.

19. The industry shall complete internal roads within 1 month as committed in the CFO committee meeting held on 17.07.2019.

20. The industry shall maintain the following records and the same shall be made available to the Board Officials during the inspection.
   a. Daily production details, RG-I records and Central Excise Returns.
   b. Quantity of Effluents generated and disposed.
   c. Log Books for pollution control systems.
   d. Daily solid waste generated and disposed.

21. The industry shall dispose solid waste (NON HAZARDOUS) as follows:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Solid Waste</th>
<th>Quantity</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Boiler ash</td>
<td>25.7 TPD</td>
<td>To brick manufacturers (or) shall be reused as manure when biomass is used</td>
</tr>
<tr>
<td>2.</td>
<td>Yeast Sludge</td>
<td>3.5 TPD</td>
<td>Shall be disposed as cattle feed</td>
</tr>
</tbody>
</table>

22. Proper earthling shall be provided in all the electrical equipment wherever solvent handling is done.

23. The industry shall maintain separate power consumption records pertaining to pollution control equipment.

24. The industry shall comply with the directions issued by the Board from time to time.

25. The industry shall comply with CPCB directions dated 05.02.2014 / 02.03.2015 and guidelines issued regarding online emission and effluent monitoring systems issued from time to time.

26. The industry shall develop and maintain green belt in an area of 33% of the total area in the vacant places and along the boundary of the industry in this monsoon season and shall take proper measures for survival of the saplings planted.
SCHEDULE - C
[See rule 6(2)]
[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

Specific Conditions:

10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The industry shall enter an agreement with the Cement industries for disposal of incinerable waste or shall dispose to Alternative Fuel Raw material facility (AFRF) OR to TSDF for co-incineration.
12. The industry shall transport the hazardous waste to cement industries through GPS vehicle.
13. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
14. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
15. The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
16. The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office, Vijayawada and concerned Regional Office

VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB

To
M/s.KBK Biotech Private Limited,
(Formerly M/s.Milano Spirits India Pvt., Ltd.,)
R.Sy.No.73/1, 74/1, 74/2, 75/1, 75/2, 76/1, 76/2,
77/1, 77/2, 78, 79/1, 79/2, 82/1, 82/2, 83/1
& 83/2, Chinnabramadevam Village,
Peddapuram Mandal, East Godavari District.