RED CATEGORY
CONSENT & HWM AUTHORIZATION ORDER

Consent Order No: APPCB/HO/VJA/NLR/86/2019- Date: 30.09.2019

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 and Other Wastes (Management & Transboundary Movement) Rules, 2016 & Amendments thereof and the rules and orders made there under (hereinafter referred to as ‘the Acts’, ‘the Rules’) to:

M/s. Bharat Petroleum Corporation Limited, Ongole Depot, Stone No.281/4, NH5, Valluru Post, Surareddypalem (V), Tanguturu (M), Prakasam District.
E-mail: vinodcbose@bharatpetroleum.in

The CFO Order No: APPCB/VJA/NLR/86/HO/2017, Dt: 29.04.2017, issued to the industry having validity upto 28.02.2022, stands cancelled and the industry shall hand over the cancelled orders to the Regional Office: Ongole after receipt of this Consent Order.

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</th>
<th>Point of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Trade effluents</td>
<td>1.0 KLD</td>
<td>onland for plantation</td>
</tr>
<tr>
<td>2</td>
<td>Domestic</td>
<td>2.5 KLD</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>Stack attached to 1x140 KVA D.G set</td>
<td>--</td>
</tr>
<tr>
<td>2</td>
<td>Stack attached to 1x250 KVA D.G set</td>
<td>--</td>
</tr>
<tr>
<td>3</td>
<td>Stack attached to 1x500 KVA D.G set</td>
<td>--</td>
</tr>
</tbody>
</table>

(iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:

M/s. Bharat Petroleum Corporation Ltd., Prakasam 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>S. No</th>
<th>Name of Hazardous Waste</th>
<th>Stream</th>
<th>Quantity</th>
<th>Method of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Used Oil</td>
<td>5.1 of Schedule -I</td>
<td>1200 LPA</td>
<td>Authorized Reprocessors/ recyclers</td>
</tr>
<tr>
<td>2</td>
<td>Tank Bottom Sludge</td>
<td>3.3 of Schedule -I</td>
<td>2.5 KL/5years</td>
<td>Authorized Cement Plants for co-processing</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>S. N.</th>
<th>Product</th>
<th>As per CFO order dated 29.04.2017</th>
<th>CFO applied for expanded Quantity</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Motor Spirit (MS)</td>
<td>3507 KL</td>
<td>---</td>
<td>3507 KL</td>
</tr>
<tr>
<td>2</td>
<td>High Speed Diesel (HSD)</td>
<td>12556 KL</td>
<td>---</td>
<td>12556 KL</td>
</tr>
<tr>
<td>3</td>
<td>Superior Kerosene Oil (SKO)</td>
<td>1726 KL</td>
<td>---</td>
<td>1726 KL</td>
</tr>
<tr>
<td>4</td>
<td>Ethanol</td>
<td>---</td>
<td>120 KL</td>
<td>120 KL</td>
</tr>
<tr>
<td>5</td>
<td>Bio-Diesel</td>
<td>---</td>
<td>200 KL</td>
<td>200 KL</td>
</tr>
</tbody>
</table>
This consent order is valid for the storage of following products along with quantities indicated only:

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 28th February, 2022.

To
M/s. Bharat Petroleum Corporation Limited, Ongole Depot, Stone No.281/4, NH5, Valluru Post, Surareddypalem (V), Tanguturu (M), Prakasam District.

Copy to:
1. The JCEE, Zonal Office, Vijayawada for information and necessary action.
2. The JCEE, UH: II for information.
3. The EE, Regional Office, Ongole 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. The storage facility is having PLI, which is valid up to 31.03.2020 and the same shall be renewed time to time.
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 HWM Rules 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.

**SCHEDULE-B**

**Water Pollution:**

1. The industry shall comply the following effluent standards based on the disposal points permitted:

<table>
<thead>
<tr>
<th>Outlet</th>
<th>Parameter</th>
<th>Concentration in mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>pH</td>
<td>5.50 - 9.00</td>
</tr>
<tr>
<td></td>
<td>Total Suspended Solids (at 103 – 105°C)</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>TDS</td>
<td>2100</td>
</tr>
<tr>
<td></td>
<td>Oil and Grease</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>COD</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>BOD</td>
<td>100</td>
</tr>
</tbody>
</table>

2. The following is the permitted water consumption:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Purpose</th>
<th>Quantity (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Others (Water for Hydrant Line)</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>Domestic</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Washing</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Green Belt</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>

There is no additional waste water generation due to additional storage and distribution of Bio-diesel and Ethanol products.

3. The industry shall construct separate storm water drains and provide rain water harvesting structures. No effluents shall be discharged in to the storm water drains.

4. Oil water separator shall be constructed and commissioned along with the activity.

5. Dyke walls shall be provided around storage tanks. Spillages / oil water mixture, if any, shall be contained in the dykes and treated in the ETP and the oil shall be taken to storage tank. The treated waste water conforming to on land for irrigation standards shall be used for gardening purpose within the premises.

**Air Pollution:**

6. There is no additional installation of DG sets/Boilers on additional storage and distribution of Bio-diesel and Ethanol products.

7. The proponent shall comply with the AAQ standards notified by the MoEF&CC, GoI, New Delhi from time to time.

8. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

9. 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)

General:
11. Flammable gas detector alarms shall be installed in the tank farm with the display in the control room / time office.
12. All the internal roads shall be of Asphalt to reduce fugitive dust due to the transportation of vehicles.
13. Only flame proof motors shall be used in the facility.
14. Water drains and hydrants shall be provided in the facility.
15. Emergency visual indicators which carry the following information shall be installed at the main gate and other important points in the facility so that all employees can access critical information within 2 minutes declaring an emergency:
   a) Emergency level.
   b) Evacuation distance.
   c) Location of incident.
   d) Other locations at risk.
   e) Which direction to evacuate in.
   f) Usable assembly points.
16. Distinct warning sirens shall be used for different emergency levels.
17. The power mains switches shall be such that power to the facility be shut without affecting power for emergency utilities, control room, sprinkler systems, ROVs, emergency material transfer pumps, telephones, etc.
18. Mock drills shall be conducted at least twice a year.
19. Employees shall be trained in spill control and containment, fire fighting, rescue and medical emergency management.
20. The Disaster Management Plan (DMP) shall be updated every year or if any changes are made in the installation or other outside facilities which may materially affect the installation.
21. The facility shall enter into a mutual aid scheme with other facilities, which are in position to provide emergency aid.
22. Escape pathways from various places where people work shall be marked with yellow road paint and sign boards.
23. Yellow coloured windsock(s) shall be positioned such that they are easily visible to all persons in the plant. One of them shall be lit at night.
24. The onsite emergency control room shall contain the following material:
   a) Phones – external and internal.
   b) Plant layout and plant vicinity maps.
   c) Coloured pins and flags to mark the maps.
   d) A wall black board.
   e) Non-sparking electrical fittings and non-static and non-sparking carpet.
   f) Emergency lighting.
   g) Walkie-talkie sets.
   h) Respirators, personal protection clothing, non-sparking tools.
   i) Loud hailers.
   j) Keys to safety equipment store.
   k) A list of employees and contract workers with their home addresses, telephone numbers.
   l) A list of employees and contract workers working in each shift – to be updated as necessary.
   m) Important telephone numbers of civil authorities hung on a wall.
   n) At least 3 copies of the DMP.
25. A safety policy shall be written and circulated amongst all employees along with material safety data sheets and other safety information.
26. No smoking booths, canteens and other voluntary ignition sources shall not be permitted within the facility.

27. The industry has to develop a green belt in the vacant premises and all along the periphery and maintain minimum green belt area of 33% of total area.

28. The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Regional Office and Zonal Office of the Board.

29. Require Requisite fire fighting system conforming to OISD standards shall be installed. Adequate firewater retention system shall be provided to prevent firewater mixing into the surface water stream or underground water.

30. The industry shall submit a copy of policy of Public Liability Insurance (PLI) duly indicating the amount contributed towards Environmental Relief Fund (ERF) to the RO once in six months.

31. The industry shall comply with standards and directions issued by CPCB / MoEF & CC as and when notifications are issued.

32. The storage facility project authorities shall strictly comply with the provisions made in Manufacturing, Storage and Import of Hazardous Chemicals Rules, 1989, as amended in 2000 and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996 for Handling of Hazardous chemicals. Necessary approvals from Chief Controller of Explosives as applicable must be obtained. Requisite on-site and off-site Disaster Management plans shall be prepared and implemented.

33. The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January and July of every year to the Regional Office/ Zonal Office.

**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 thereunder.

2. The authorisation or its renewal 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.

10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

11. The authorised person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.

12. The authorised person 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.

13. The authorised person 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.

14. The authorised person shall maintain proper records for Hazardous & other wastes stated in Authorization 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 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.

15. The authorised person 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 and concerned Regional Office.

16. The storage facility shall dispose 1.3KL of tank bottom sludge stored within the premises to the Cement Plants duly following the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof.

17. The storage facility shall dispose the Used oil to authorized recyclers, time to time.

To
M/s. Bharat Petroleum Corporation Limited, Ongole Depot, Stone No.281/4, NH5, Valluru Post, Surareddyapalem (V), Tanguturu (M), Prakasam District.