



## TELANGANA STATE POLLUTION CONTROL BOARD

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### CONSENT ORDER FOR ESTABLISHMENT

**ORDER NO. 200122621637**

**DATED: 12/11/2020.**

**SUB:** TSPCB-Consent for Establishment-M/s. M/S.BHARAT BIOTECH INTERNATIONAL LTD., , S.F. No. 230,231,235, Turkapally village, Shamirpet Taluk and Medchal ii District - Consent for Establishment of the Board under Sec.25 of Water(P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.

**REF:**

1. In the reference cited, an application was submitted to the Board seeking Consent for Establishment (CFE) of the Board to establish, with a project cost of Rs. to manufacture following products/activity.

| S.No. | Product | Capacity | Unit |
|-------|---------|----------|------|
|-------|---------|----------|------|

2. As per the application, proposed products are to be manufactured/activity to be carried out atM/s.bharat biotech international ltd., , S.F. No. 230,231,235, Turkapally village, Shamirpet Taluk and Medchal ii District

3. The above site was inspected by & Asst. Environmental Engineer, Regional office,T.S Pollution Control Board and observed tha the site is surrounded by

|       |  |
|-------|--|
| NORTH |  |
| SOUTH |  |
| EAST  |  |
| WEST  |  |

4.

5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

**MEMBER SECRETARY**

To  
The Director,M/s.M/S.BHARAT BIOTECH INTERNATIONAL LTD.,,  
MEDCHAL II,Shamirpet,Shamirpet,230,231,235,Turkapalli,500078,  
Pin: 500078

**Copy to :**

### SCHEDULE – A

**SCHEDULE - B**

**MEMBER SECRETARY**

To  
The Director,M/s.M/S.BHARAT BIOTECH INTERNATIONAL LTD.,,  
MEDCHAL II,Shamirpet,Shamirpet,230,231,235,Turkapalli,500078,  
Pin: 500078



**TELANGANA STATE POLLUTION CONTROL BOARD**  
**ZONAL OFFICE: HYDERABAD**

**D. Krupanand**  
Joint Chief Environmental Engineer

H.No.6-3-1219, Sy.No.TS No.1 Part,  
Block - C, Ward No.91, Near Country Club,  
Uma Nagar, Begumpet, Hyderabad  
Phone: 040-23402495  
Email: jcee-zhyd-tspcb@telangana.gov.in

**DESPATCHED**  
ON 12/11/2020

**CONSENT ORDER FOR ESTABLISHMENT – RED CATEGORY**

**Order No. 359–RR-II/TSPCB/ZO-HYD/TS-iPASS/CFE/2020 - 356**      **Date: 12.11.2020**

**Sub:** TSPCB – ZOH – TS-iPASS - CONSENT FOR ESTABLISHMENT (CFE) for expansion – **M/s. Bharat Biotech International Ltd., Sy. No: 230, 231, 235, Turkapalli (V), Shameerpet (M), Medchal-Malkajgiri District** - Consent for Establishment of the Board under Sec.25 of Water (Prevention and Control of Pollution) Act, 1974 and under Sec.21 of Air (Prevention and Control of Pollution) Act, 1981 – **Issued – Reg.**

- Ref:**
1. Industry's Consent Order No: 359-RR-II/PCB/ZOH/TS-iPASS/CFO/2016-156, Dated: 12.09.2016 valid upto 31.01.2021.
  2. Industry's submission of CFE (Expansion) application received through TS-iPASS portal on 03.09.2020 at TSPCB, Regional Office, Medchal-Malkajgiri District.
  3. TSPCB, Regional Office, Hyderabad verification report dated: 28.09.2020 received by Zonal Office, Hyderabad on 28.09.2020.
  4. CFE Committee meeting held on 30.09.2020 at TSPCB, Zonal Office, Hyderabad.
  5. T.O. CFE Rejection Lr. No. 359–RR-II/TSPCB/ZO-HYD/TS-iPASS/CFE/2020-268, Date: 03.10.2020.
  6. Industry's submission of CFE (Expansion) appeal received through TS-iPASS portal on 16.10.2020 at TSPCB, Regional Office, Medchal-Malkajgiri District.
  7. Industry's representation letter dated 22.10.2020.
  8. TSPCB, Regional Office, Hyderabad verification report dated: 29.10.2020 received by Zonal Office, Hyderabad on 29.10.2020.
  9. CFE Committee meeting held on 05.11.2020 at TSPCB, Zonal Office, Hyderabad.

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1. In the reference cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for Expansion with production capacities as mentioned below, with an additional proposed project cost of **Rs. 57.147 Crores.**

| <i>Sl. No.</i> | <i>Products</i>     | <i>Existing Capacity as per CFO order dt. 12.09.2016</i> | <i>Proposed Expansion</i> | <i>Total capacity (After Expansion)</i> |
|----------------|---------------------|----------------------------------------------------------|---------------------------|-----------------------------------------|
| 1.             | Hepatitis B Vaccine | 100 Million doses/Annum                                  | --                        | 100 Million doses/Annum                 |
| 2.             | Streptokinase       | 3 Million doses/day                                      | --                        | 3 Million doses/day                     |
| 3.             | Urokinase           | 10 Million doses/day                                     | Dropped                   | Dropped                                 |
| 4.             | DPT – HB Vaccine    | 30 Million doses/day                                     | --                        | 30 Million doses/day                    |
| 5.             | Rota Virus Vaccine  | 25 Million doses/day                                     | --                        | 25 Million doses/day                    |
| 6.             | Hepatitis A Vaccine | 35 Million doses/day                                     | --                        | 35 Million doses/day                    |

|                            |                                                                       |                           |                         |                           |
|----------------------------|-----------------------------------------------------------------------|---------------------------|-------------------------|---------------------------|
| 7.                         | Recombinant Human Insulin                                             | 25 Million doses/day      | --                      | 25 Million doses/day      |
| 8.                         | Epidermal Growth Factor                                               | 10 Kgs/day                | --                      | 10 Kgs/day                |
| 9.                         | Lysostaphin                                                           | 50 Kgs/day                | --                      | 50 Kgs/day                |
| 10.                        | Saccharomyces Boulardi                                                | 20 million sachets/day    | --                      | 20 million sachets/day    |
| 11.                        | Typhoid Vaccine                                                       | 30 Million doses/day      | --                      | 30 Million doses/day      |
| 12.                        | Haemophilus Influenza Type – B                                        | 50 Million doses/day      | --                      | 50 Million doses/day      |
| 13.                        | Malaria Vaccine                                                       | 25 Million doses/Annum    | --                      | 25 Million doses/Annum    |
| 14.                        | Rabies Vaccine                                                        | 25 Million doses/Annum    | --                      | 25 Million doses/Annum    |
| 15.                        | Comvac5                                                               | 5.0 Million doses/annum   | --                      | 5.0 Million doses/annum   |
| 16.                        | r-Human Serum Albumin                                                 | 100 Kgs/annum             | --                      | 100 Kgs/annum             |
| 17.                        | r- Human Growth Hormone                                               | 50 Grams/annum            | --                      | 50 Grams/annum            |
| 18.                        | r- Staphylokinase (CLOTINASE)                                         | 0.2 Million Doses/annum   | --                      | 0.2 Million Doses/annum   |
| 19.                        | BIOPOLIO B1/3 [Bivalent Poliomyelitis Vaccine Type 1 & 3 live (oral)] | 300 Million doses/annum   | --                      | 300 Million doses/annum   |
| 20.                        | BIOPOLIO M3 [Poliomyelitis Vaccine Type3 live (oral)]                 | 20 Million doses/annum    | --                      | 20 Million doses/annum    |
| 21.                        | BIOPOLIO [Poliomyelitis Vaccine Type 1,2& 3 live (oral)]              | 300 Million doses/annum   | Dropped                 | Dropped                   |
| 22.                        | BIOPOLIO M1 [Poliomyelitis Vaccine Type 1 live (oral)]                | 20 Million doses/annum.   | --                      | 20 Million doses/annum.   |
| 23.                        | JENVAC (Japanese Encephalitis Vaccine).                               | 25 Million doses/annum    | --                      | 25 Million doses/annum    |
| 24.                        | Oral ROTA Virus Vaccine                                               | 200 Million doses/annum.  | --                      | 200 Million doses/annum.  |
| 25.                        | HN-VAC [Inactivated Influenza-A (H1N1) Viral Vaccine]                 | 10 Million doses/annum.   | --                      | 10 Million doses/annum.   |
| 26.                        | BIO-ENOX                                                              | 2.0 Million doses/annum.  | Dropped                 | Dropped                   |
| 27.                        | SLVRGEN                                                               | 0.5 Million tubes /annum. | --                      | 0.5 Million tubes /annum. |
| 28.                        | Comvac4-HB                                                            | 0.5 Million doses/annum   | --                      | 0.5 Million doses/annum   |
| 29.                        | Comvac3                                                               | 0.5 Million doses/annum.  | --                      | 0.5 Million doses/annum.  |
| <b>Proposed Expansion:</b> |                                                                       |                           |                         |                           |
| 30.                        | Zika Virus Vaccine                                                    | --                        | 1 Million doses / annum | 1 Million doses / annum   |
| 31.                        | Chikungunya Viral Vaccine, (Inactivated)                              | --                        | 1 Million dose / annum  | 1 Million dose / annum    |
| 32.                        | HCCB-LTB (human chorionic gonadotropin vaccine)                       | --                        | 2 grams / month         | 2 grams / month           |

|     |                                                      |    |                          |                          |
|-----|------------------------------------------------------|----|--------------------------|--------------------------|
| 33. | Plasmid DNA Vaccine                                  | -- | 200 mg / month           | 200 mg / month           |
| 34. | HPV (Human Papilloma Virus) Vaccine                  | -- | 400 mg / month           | 400 mg / month           |
| 35. | sIPV (Sabin Inactivated Polio Vaccine)               | -- | 40 millions / annum      | 40 millions / annum      |
| 36. | Yellow Fever Vaccine                                 | -- | 1 million doses / annum  | 1 million doses / annum  |
| 37. | Meningococcal Vaccine                                | -- | 5 gm / month             | 5 gm / month             |
| 38. | Cholera Vaccine                                      | -- | 30 million doses/annum   | 30 million doses/annum   |
| 39. | Corona Virus Vaccine (rDNA)                          | -- | 50 million doses / annum | 50 million doses / annum |
| 40. | SARS CoV2 inactivated Vaccine                        | -- | 50 million doses / annum | 50 million doses / annum |
| 41. | Non salmonella Vaccine                               | -- | 100 gm / annum           | 100 gm / annum           |
| 42. | Paratyphi Vaccine                                    | -- | 100 gm / annum           | 100 gm / annum           |
| 43. | CoroFlu Vaccine (Product codeBBV150)                 | -- | 200 gm / annum           | 200 gm / annum           |
| 44. | <b>R &amp; D Activity for the following vaccines</b> |    |                          |                          |
|     | HPV (Human Papilloma Virus) Vaccine                  | -- | --                       | --                       |
|     | sIPV (Sabin Inactivated Polio Vaccine)               | -- | --                       | --                       |
|     | Yellow Fever Vaccine                                 | -- | --                       | --                       |
|     | Meningococcal Vaccine                                | -- | --                       | --                       |
|     | Corona Virus Vaccine (rDNA)                          | -- | --                       | --                       |
|     | Non salmonella Vaccine                               | -- | --                       | --                       |
|     | Paratyphi Vaccine                                    | -- | --                       | --                       |
|     | CoroFlu Vaccine (Product codeBBV150)                 | -- | --                       | --                       |

- As per the application, the above activity is to be located at **Sy. No: 230, 231, 235, Turkapalli (V), Shameerpet (M), Medchal-Malkajgiri District.**
- The above site was inspected by the Asst. Environmental Engineer, Regional Office, Medchal District, T.S. Pollution Control Board on 16.09.2020 and found that the industry is surrounded by **East:** Open lands; **West:** M/s. IKP Knowledge Park; **South:** Lalgadi Malakpet Lake is at a distance of 610 meters; **North:** Turkapalli to Koltur Road.
- The Board, after careful scrutiny of the application, verification report of Regional Office, Medchal-Malkajgiri District, recommendation by the CFE Committee meeting held on **05.11.2020** at TSPCB, Zonal Office, Hyderabad, hereby issues CONSENT FOR ESTABLISHMENT for Expansion to the industry, under Section 25 of Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 and the rules made there under. This Order is issued to manufacture the products mentioned at para (I) only.
- This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

  **JOINT CHIEF ENVIRONMENTAL ENGINEER**

**Encl:** Schedules "A & B".

**To**

**M/s. Bharat Biotech International Ltd.,**

**Sy. No: 230, 231, 235,**

**Turkapalli (V), Shameerpet (M),**

**Medchal-Malkajgiri District.**

**Email Id: [chs01@bharatbiotech.com](mailto:chs01@bharatbiotech.com)**

Copy submitted to the Member Secretary, TSPCB, Board Office, Hyderabad for information.

Copy to the General Manager, District Industries Centre, Near ORR, Keesara, Medchal-Malkajgiri District, Collectorate Complex, Hyderabad – 500083.

Copy to the Environmental Engineer, Regional Office, Medchal-Malkajgiri District for information and necessary action.

## SCHEDULE – A

1. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
  - a. Industrial cooling.
  - b. Domestic purposes.
  - c. Processing whereby water gets polluted and pollutants are easily bio-degradable.
2. The industry shall provide a minimum stack height (H) to the DG sets as per the following formula.  
$$H = h + 0.2 \text{ SQRT (KVA)}$$

KVA = Total generation capacity, h = Height of building where DG Set is installed.
3. 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 measured from a distance of 5mtrs from the DG Set.
4. The industry shall install and commission appropriate control and ventilation system for controlling the air pollution.
5. The industry shall take appropriate measures to ensure that the ground level concentrations shall comply with revised National Ambient Quality Norms notified by MoE&F, GoI on 16.11.2009.
6. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The applicant shall maintain good house keeping both within the factory and in the premises. All pipe valves, sewers, and drains shall be leak proof.
7. The solid waste arising in the premises shall be properly collected and disposed off.
8. There shall not be any perceptible odour outside the industry's premises.
9. All the rules and regulations notified by Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
10. The proponent shall take measures to comply with the provisions laid down under Noise pollution (Regulation and Control) Amendment Rules, 2010 dated 11.01.2010 issued by MoE&F, GoI to control the noise to the prescribed levels.
11. The applicant shall obtain Consents for operation regularly from TSPCB, as required Under Sec. 25/26 of the Water (P&C of P) Act, 1974 and Under Sec. 21/22 of the Air (P&C of P) Act, 1981, for operation of the industry, before starting trial production. The Consent for Operation will be accorded only after ensuring compliance of all the conditions stipulated in this order.
12. The applicant shall comply with and carryout conditions issued by the Board in this consent order scrupulously. The applicant is liable for legal action as per the provisions of the relevant Acts in case of non-compliance of any conditions of the consent order.
13. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21 (4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions for the purpose of the Act by the Board.
14. The applicant shall exhibit the consent of the Board in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
15. Telangana State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this Order. Also the Board reserves the right to withdraw the CFE without any prejudice/ notice on receiving any complaints by the Board regarding Environmental Pollution problems caused by the industry.
16. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
17. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site so that the ground water is recharged by the storm water.

18. The industry shall comply with Rules & Regulations notified by Ministry of Law and Justice, Govt. of India, regarding the Public Liability Insurance Act, 1991.
19. 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 Telangana State Water rules, 1976 and Air Rules 1982, to such authority (herein after referred to as the 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**

1. This order is valid for a period of 5 years from the date of issue.
2. The proponent shall report progress on implementation of the project to this office and T.S. Pollution Control Board, Regional Office, Medchal-Malkajgiri District regularly.
3. The source of water is Borewell and the maximum permitted water consumption shall not exceed the following quantities:

| S. No. | Purpose           | Existing Capacity as CFO order dt. 12.09.2016 | Proposed Expansion | Total Consumption (After Expansion) |
|--------|-------------------|-----------------------------------------------|--------------------|-------------------------------------|
| 1.     | Process & Washing | 70.0 KLD                                      | 230.0 KLD          | 300.0 KLD                           |
| 2.     | Cooling           | 43.0 KLD                                      | 77.0 KLD           | 120.0 KLD                           |
| 3.     | Boiler Feed       | 40.0 KLD                                      | 15.0 KLD           | 55.0 KLD                            |
| 4.     | DM plant          | 23.5 KLD                                      | 21.5 KLD           | 45.0 KLD                            |
| 5.     | Domestic          | 13.0 KLD                                      | 27.0 KLD           | 40.0 KLD                            |
| 6.     | Gardening         | 5.0 KLD                                       | --                 | 5.0 KLD                             |
|        | <b>Total</b>      | <b>194.5 KLD</b>                              | <b>370.5 KLD</b>   | <b>565.0 KLD</b>                    |

4. The maximum waste water generation (KLD) shall not exceed the following:

| S. No. | Wastewater generation                                                                                          | Existing Capacity as CFO order dt. 12.09.2016 | Proposed Expansion | Total Generation (After Expansion)                         |
|--------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------|------------------------------------------------------------|
| 1.     | Process effluents                                                                                              | 15.0 KLD                                      | 20.0 KLD           | 35.0 KLD                                                   |
| 2.     | Process & washings, Cooling bleed off and boiler blow-down / Fresh water RO rejects and softener regeneration. | 86.0 KLD                                      | 184.0 KLD          | 270.0 KLD<br>(180 KLD – RO permeate + 90 KLD - RO rejects) |
| 3.     | Domestic effluents                                                                                             | 10.0 KLD                                      | 15.0 KLD           | 25.0 KLD                                                   |
|        | <b>Total</b>                                                                                                   | <b>111.0 KLD</b>                              | <b>219.0 KLD</b>   | <b>330. 0 KLD</b>                                          |

| Effluent source                                                                                                         | Standards to be complied                                                                                                                               | Mode of final disposal                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Process effluents with TDS <5000 PPM (35.0 + 90.0 KLD = 125 KLD)                                                        | Inlet parameters of CETP prescribed by the Board.                                                                                                      | After pre-treatment in ETP, shall be sent to Common MEE facility of M/s. PETL, Patancheru / M/s. MANA CETP Mallapur for further treatment and disposal. |
| Process washings, Cooling bleed off and boiler blow-down / Fresh water RO rejects and softener regeneration (180.0 KLD) | pH - 5.5 - 9.0, Total Suspended Solids - 200.0 mg /l, Oil & Grease - 10.0 mg /l, Biochemical Oxygen Demand (3 days at 27 <sup>0</sup> C) - 30.0 mg/lt. | After pre-treatment in ETP, shall be further treated in the RO Plant. The RO permeate shall be reused for utilities.                                    |
| Domestic effluents (25.0 KLD)                                                                                           | Inlet parameters of CETP prescribed by the Board.                                                                                                      | Shall be treated in M/s. MANA CETP, Mallapur for further treatment and disposal.                                                                        |

5. The industry shall upgrade the existing ETP from 120 KLD capacity to 320 KLD capacity with all required machinery before applying for CFO.
6. The industry shall treat the process and washing effluents of 180 KLD in the upgraded ETP followed by Ultra filtration system and shall use the treated waste water for utilities makeup.
7. The industry shall dispose the domestic effluents of 25 KLD to M/s. MANA CETP, Mallapur for further treatment and disposal.
8. The industry shall comply with the following for controlling air pollution:

| Details of Stack | Attac hed to | Capacity    | Fuel        | Stack height from GL                                                                                                                          | Details of Air Pollution Control Equipment | Standards to be complied with                                                                                                                                                                                                                                                                  |
|------------------|--------------|-------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Existing:        |              |             |             |                                                                                                                                               |                                            |                                                                                                                                                                                                                                                                                                |
| Stack - 1        | Boiler       | 850 Kgs/hr. | HSD         | 30 mts                                                                                                                                        | ---                                        | SPM - 115 mg/Nm <sup>3</sup>                                                                                                                                                                                                                                                                   |
| Stack – 2        | Boiler       | 450 Kgs/hr. | HSD         | 30 mts                                                                                                                                        | ---                                        |                                                                                                                                                                                                                                                                                                |
| Stack – 3        | Boiler       | 2 TPH       | Furnace oil | 30 mtrs                                                                                                                                       | ---                                        |                                                                                                                                                                                                                                                                                                |
| Stack – 4        | Boiler       | 6.0 TPH     | Furnace oil | 30 mtrs                                                                                                                                       | ---                                        |                                                                                                                                                                                                                                                                                                |
| Stack – 5        | DG set       | 250 KVA     | Diesel      | H = h +0.2 (KVA) <sup>0.5</sup><br>H = height of the stack from GL in mtrs.<br>h = height of the building where DG set is installed, in mtrs. | Acoustic enclosure                         |                                                                                                                                                                                                                                                                                                |
| Stack – 6        | DG set       | 1010 KVA    | Diesel      |                                                                                                                                               |                                            |                                                                                                                                                                                                                                                                                                |
| Stack – 7        | DG set       | 1010 KVA    | Diesel      |                                                                                                                                               |                                            |                                                                                                                                                                                                                                                                                                |
| Stack – 8        | DG set       | 1010 KVA    | Diesel      |                                                                                                                                               |                                            |                                                                                                                                                                                                                                                                                                |
| Stack – 9        | DG set       | 500 KVA     | Diesel      |                                                                                                                                               |                                            |                                                                                                                                                                                                                                                                                                |
| After Expansion: |              |             |             |                                                                                                                                               |                                            |                                                                                                                                                                                                                                                                                                |
| Stack - 1        | Boiler       | 10 TPH      | Furnace oil | 30 mts                                                                                                                                        | ---                                        | SPM - 115 mg/Nm <sup>3</sup><br><br>SO <sub>2</sub> – 600 mg/Nm <sup>3</sup> .<br>At 6% dry O <sub>2</sub> , for solid fuel and 3% dry O <sub>2</sub> for liquid fuel<br>NOx – 600 mg/Nm <sup>3</sup> .<br>At 6% dry O <sub>2</sub> , for solid fuel and 3% dry O <sub>2</sub> for liquid fuel |
| Stack – 2        | Boiler       | 6.0 TPH     | Furnace oil | 30 mts                                                                                                                                        | ---                                        |                                                                                                                                                                                                                                                                                                |
| Stack – 3        | DG set       | 250 KVA     | Diesel      | H = h +0.2 (KVA) <sup>0.5</sup><br>H = height of the stack from GL in mtrs.<br>h = height of the building where DG set is installed, in mtrs. | Acoustic enclosure                         |                                                                                                                                                                                                                                                                                                |
|                  |              |             |             |                                                                                                                                               |                                            |                                                                                                                                                                                                                                                                                                |

|                  |        |          |        |                                                                                                                                         |                    |                              |
|------------------|--------|----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------|
| <b>Stack – 4</b> | DG set | 1010 KVA | Diesel | $H = h + 0.2 (KVA)^{0.5}$<br>H = height of the stack from GL in mtrs.<br>h = height of the building where DG set is installed, in mtrs. | Acoustic enclosure | SPM - 115 mg/Nm <sup>3</sup> |
| <b>Stack – 5</b> | DG set | 1010 KVA | Diesel |                                                                                                                                         |                    |                              |
| <b>Stack – 6</b> | DG set | 1010 KVA | Diesel |                                                                                                                                         |                    |                              |
| <b>Stack – 7</b> | DG set | 500 KVA  | Diesel |                                                                                                                                         |                    |                              |
| <b>Stack – 8</b> | DG set | 2000 KVA | Diesel |                                                                                                                                         |                    |                              |

9. The industry shall remove the existing 2 x HSD fired boilers of capacity 850 Kgs/hr and 450 Kgs/hr and FO fired Boiler of capacity 2 TPH after installation of additional FO fired Boilers of capacity 10 TPH & 6 TPH.

10. The Solid wastes generated shall not exceed the following breakup quantities:

| S. No | Name and of the Hazardous / Solid waste                                    | Hazardous / as defined under HWM Rules, 2016 | Existing Capacity as CFO order dt. 12.09.2016 | Quantity (Proposed Expansion) | Quantity (After Expansion) | Method of Disposal                                                                     |
|-------|----------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|-------------------------------|----------------------------|----------------------------------------------------------------------------------------|
| 1.    | ETP sludge                                                                 | 35.3 of Sch- I                               | 85 kg/month                                   | 1115 Kg/month                 | 1200 Kg/month              | Shall be disposed to M/s HWM Project (TSDF), Dundigal (V), Medchal-Malkajgiri District |
| 2.    | Used oils                                                                  | 5.1 of Sch-I                                 | 144 LPM                                       | 156 LPM                       | 300 LPM                    | Shall be sent to authorized waste oil Re-Processors / Re-Cycling units.                |
| 3.    | Detoxified containers & Container Liners of Hazardous Chemicals and Wastes | 33.1 of Sch-I                                | 30 NPM                                        | --                            | 30 NPM                     | After complete detoxification, shall be sold to outside agencies / parties.            |
| 4.    | General Waste scrap (Paper, Shipper, Plastic and other mixed waste)        | --                                           | 30 TPM                                        | 30 TPM                        | 30 TPM                     | Proposed to dispose to authorized scrap vendors.                                       |
| 5.    | Electrical and Electronic waste (e-waste)                                  | --                                           | 50 Kg/month                                   | 50 Kg/month                   | 50 Kg/month                | Proposed to send to authorized e-waste dismantlers.                                    |

11. The industry shall not discharge any waste water outside the factory premises.

12. The industry shall not dispose any solid waste outside the industry's premises.

13. The industry shall not cause any air pollution / odour nuisance to the surrounding environment.

14. The industry shall lift the Hazardous waste generated to TSDF, Dundigal regularly.

15. The industry shall provide separate energy for the effluent treatment plant (ETP) and Air Pollution Control Equipment and maintain log registers to record the energy meter readings pertaining to the operation of the ETP and the Air Pollution Control Equipment.

16. The industry shall maintain good housekeeping & maintain proper records for hazardous waste stated in the authorization.
17. The industry shall not store the PPE waste, rejected batch vials and crushed glass waste, glass bottles from the R & D activity and other general waste openly on naked ground.
18. The industry shall submit Environmental Statement in Form V before 30<sup>th</sup> September every year as per Rule No.14 of Environmental (Protection) Act, 1986.
19. The industry shall not cause any air pollution / dust nuisance to the surrounding environment.
20. The industry shall develop 33% of the total area as thick green belt all along the boundary of the unit and also in the vacant places with all tall growing trees with wide leaf area.
21. The industry shall comply with all the Rules and Regulations specified in Water (P&C of P) Act, 1974, Air (P&C of P) Act, 1981 and Hazardous and other Wastes (Management, Transboundary Movement) Rules, 2016.
22. The industry should maintain the following records and the same should be made available to the Board Officials during the inspection.
  - a) Daily production details, RG-I records and Central Excise Returns.
  - b) Effluents generated HTDS and LTDS, Segregation, treated and disposed.
  - c) Log Books for pollution control systems.
  - d) Daily solid waste generated and disposed to M/s. TSDF.
23. The industry shall not manufacture any extra products or extra capacities without obtaining CFE/CFO of the Board.
24. The industry shall not take up trial production without obtaining Consent for Operation of the Board.
25. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site so that the ground water is recharged by the storm water.
26. The industry shall comply with Rules & Regulations notified by Ministry of Law and Justice, Govt. of India, regarding the Public Liability Insurance Act, 1991.
27. The following rules and regulations notified by the MoE&F, GoI shall be implemented:
  - a. Solid Waste Management Rules, 2016.
  - b. Construction and Demolition Waste Management Rules, 2016.
  - c. Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 & its amendments.
  - d. Batteries (Management & Handling) Amendment Rules, 2010 & its amendments.
  - e. E-Waste (Management) Rules, 2016.
  - f. Bio-Medical Waste Management Rules, 2016 & its amendments.
  - g. Plastic Waste Management Rules, 2016 & its amendments.
28. The industry shall comply with all the directions issued by the Board from time to time.
29. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
30. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of environment protection.
31. This Order is issued to the industry without prejudice to the action taken by the Task Force of the Board.

  
**JOINT CHIEF ENVIRONMENTAL ENGINEER**

**To**  
**M/s. Bharat Biotech International Ltd.,**  
**Sy. No: 230, 231, 235,`**  
**Turkapalli (V), Shameerpet (M),**  
**Medchal-Malkajgiri District.**

