



ANDHRA PRADESH POLLUTION CONTROL BOARD  
ZONAL OFFICE: VIJAYAWADA

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ORANGE CATEGORY

CONSENT & AUTHORIZATION ORDER

Consent Order No : N-10/APPCB/ZO-VJA/CFO/W&A/2002- Date : 25.03.2019

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous and 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. The Waterbase Limited,  
Sy Nos.36/3, 37/1, 39/1, 4 & 43 etc.,  
Ananthapuram (V),  
Thotapalligudur (M),  
SPSR Nellore District

(Hereinafter referred to as 'the Applicant') authorizing to operate the Industry 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:

Outlet No.	Outlet Description	Max Daily Discharge (KL/day)	Point of Disposal
1	Process & wash, boiler & cooling tower blow down waste water	82.0	After treatment in the ETP, the treated waste water shall be utilized for on land irrigation / gardening duly meeting the Board's stipulated standard of BOD - 30 mg/lit and TSS - 50 mg/lit.
2	Domestic waste water	25.0	After treatment in the STP, the treated waste water shall be utilized for on land irrigation / gardening duly meeting the Board's stipulated standard of BOD - 30 mg/lit and TSS - 100 mg/lit.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m <sup>3</sup> /hr)
1	Stack attached to 2.8 TPH Oil Fired Boiler	-----
2	Stack attached to 0.6 TPH Oil Fired Boiler	-----
3	Stack attached to 1 x 1450 KVA DG set & 1 x 800 KVA DG set	-----

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

M/s. The Waterbase Limited 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:

Sl. No	Name of Hazardous Waste	Stream	Quantity	Method of disposal
1	Used oil	5.1 of Schedule-I	150 Lts/Annum	Disposal to A.P.P.C.B. authorized reprocessing agencies.

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

Sl.No.	Name of the Products	Quantity
1.	Processed Shrimp	200 tons / month (6.75 tons / day)
2.	Shrimp Feed	3000 tons / month (100 tons / day)

This order is subject to the provisions of 'the Acts' and the Rules' and Orders made there under 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 31.12.2028.

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JOINT CHIEF ENVIRONMENTAL ENGINEER

To

M/s. The Waterbase Limited,  
Sy Nos.36/3, 37/1, 39/1, 4 & 43 etc.,  
Ananthapuram (V),  
Thotapalligudur (M),  
SPSR Nellore District

Copy to the Environmental Engineer, Regional Office, Nellore for information and with a direction to ensure the compliance of the time bound conditions and send a detailed report, so as to place the industry before External Advisory Committee (EAC) for review for necessary action as per the instructions of the Board Office Dt. 21.06.2016 in case of non-compliances.

## SCHEDULE – A

1. Any up-set condition in any activity of the Industry, which may result in, increased 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 carryout analysis of air emissions 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. Notwithstanding 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 Industry 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 Industry 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 21/22 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

### Committee Recommendation:

The Consent for Operation Committee in its meeting held on 19.03.2019 examined the industry's mail Dt.14.03.2019, inspection report of Board Officials along with CFO Committee members, industry's representation Lr.Dt.28.01.2019 along with CFO renewal application of the industry and the verification report submitted by Regional Office, Nellore. The Committee observed that i) the industry obtained CFO of the Board vide Order Dt.28.04.2015 to produce processed shrimp – 75 tons / month and shrimp feed – 1000 tons / month, which is valid up to 28.02.2019 and subsequently, the industry obtained CFO Expansion of the Board vide Order Dt.09.01.2017 to produce processed shrimp – 125 tons / month and shrimp feed – 2000 tons / month, which expired on 31.12.2018, ii) now, the industry applied for combined CFO for the existing & expansion capacities i.e. processed shrimp – 200 tons / month (6.75 tons / day) and shrimp feed – 3000 tons / month (100 tons / day) by paying CFO fee up to 31.12.2028 on project cost of Rs.74 crores under orange hazardous category, iii) the industry is utilizing 135 KLD of water for process & washings, boiler feed and industrial cooling (makeup) / humidification / water spraying) and 25 KLD of water for domestic purposes, totaling 160 KLD, iv) the industry is generating 80 KLD of process & washings waste water, 2 KLD of boiler & cooling tower blow downs and 17 KLD of domestic waste water, totaling 99 KLD, v) the industry is having Effluent Treatment Plant (ETP) consisting of bar screen chamber, equalization tank, holding tank, aeration tank, secondary clarifier, dual media filter, sludge drying beds, treated water tank etc. for treating the trade effluents, vi) the industry has installed 2.8 TPH oil fired boiler with a stack height of 30 m attached to the boiler for dispersion of flue gas emissions, vii) the CFO application of the industry was placed in the Consent for Operation Committee meeting held 10.01.2019 and the Committee recommended to reject the combined CFO renewal

application of the industry for the following reasons : a) the industry is producing the process shrimp more than the consented capacity i.e. up to 13 tons / day against the consented capacity of 6.75 tons / day, b) the industry is not operating clarifier and discharging waste water containing sludge from the clarifier directly on land joining outside drain, c) the industry has provided diverting mechanism to send the waste water outside without sending to ETP, d) the industry has provided hostel for employees working in the plant and the domestic waste water generation from the hostel and the industry is up to 25 KLD. The industry has not provided Sewage Treatment Plant (STP) to treat the domestic effluents generated from the industry, f) the Board officials collected the effluent samples from inlet & outlet of the ETP on 27.12.2018 and as per the analysis reports, the values at the outlet of the ETP are Total Suspended Solids (TSS) - 146.00 mg/l (Standard : 50.00 mg/l), Chemical Oxygen Demand (COD) - 316.00 mg/l (standard : 250.00 mg/l), Biochemical Oxygen Demand (BOD) – 108.00 mg/l (standard : 30.00 mg/l), Oil and Grease (O&G) – 12.1 mg/l (standard : 10.00 mg/l) indicating that the treated waste water is not meeting the standards thereby causing ground & surface water pollution in the area, g) the industry has not installed odour control equipment such as bio filter or ozoniser to control the odour nuisance from the feed plant, h) the industry has not provided digital flow meters for measuring the waste water quantity at the inlet & outlet of the ETP, i) the industry has not provided energy meter to the ETP. As per the recommendations of the committee, the CFO application submitted by the industry was rejected on 21.01.2019 for not operating the ETP to meet the discharge standards and for not installing odour control equipment for the feed plant and for the above stated reasons". However, if the industry a) operates the ETP properly and complies with the discharge standards (BOD - 30 mg/l), and b) if the industry, installs odour control equipment such as bio filter or ozoniser to control the odour nuisance from the feed plant, the industry will be considered for issue of CFO, viii) Now, the industry vide Lr.Dt.28.01.2019 submitted clarifications and commitments in compliance with the Rejection Order Dt.21.01.2019 and requested the Board to reconsider the application for issue of combined CFO. ix) the industry's representation Lr.Dt.28.01.2019 along with CFO renewal application of the industry and the verification report submitted by Regional Office, Nellore was placed in the Consent for Operation Committee meeting held on 06.02.2019 and the Committee recommended for Committee visit to verify the non compliances observed in the CFO application rejected letter dt.21.01.2019, x) as per the recommendations of the CFO Committee meeting held on 06.02.2019, JCEE, ZO, Vijayawada inspected the above industry along with Dr. J. Chandra Sekhar Rao, CFO committee member of ZO, Vijayawada, Sri M. Narayana, EE, ZO, Vijayawada on 15.02.2019 to verify the non compliances observed in the CFO application rejected letter dt.21.01.2019 and submitted an inspection report, xi) the inspection report of Board Officials along with CFO Committee members was placed in the CFO Committee meeting held on 28.02.2019 and the Committee recommended to issue CFO Order to the industry for a period up to 31.12.2028 after submission of a Bank Guarantee of Rs.10 Lakhs towards upgradation of ETP and for providing of bio filter / ozonizer to control odour nuisance from feed plant by 30.06.2019, as committed, xii) now, the industry vide mail Dt.14.03.2019 submitted that they had submitted Bank Guarantee of Rs.10 Lakhs at RO, Nellore on 13.03.2019 in line with direction and commitment given at Committee meeting held on 28.02.2019 and requested to issue CFO renewal to their industry. After detailed discussion, the Committee recommended to issue CFO Order to the industry for a period up to 31.12.2028 with a condition that i) the industry shall upgrade the ETP and shall provide bio filter / ozonizer to control odour nuisance from feed plant by 30.06.2019, as committed, as per the instructions of the Board Office vide Memo Dt. 21.06.2016.

**Water Pollution :**

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

Shall comply the norms notified by MoEF & CC vide Notification No:G.S.R.422(E) dated:19.05.1993.

Outlet	Parameter	Limiting Standards
1	pH	6.5-8.5
	Total Suspended Solids (TSS at 103 – 105 °C)	50.00 mg/l
	Total Dissolved Solids	2,100.00 mg/l
	Chemical Oxygen Demand (COD)	250.00 mg/l
	Biochemical Oxygen Demand (BOD <sub>3</sub> at 27 °C)	30.00 mg/l
	Oil and Grease	10.00 mg/l

8. The industry shall submit a compliance report on CFO conditions for every 6 months as on 01<sup>st</sup> January and 01<sup>st</sup> July of every year at Regional Office and Zonal Office.
9. The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE / CFO of the Board.
10. The industry shall establish one Ambient Air Quality monitoring station and monitor the critical parameters maintained in Schedule - 'B' as per CPCB guidelines and shall submit monthly reports to Regional Office and Zonal Office regularly.

**Special Conditions :**

11. As committed, the industry shall upgrade the Effluent Treatment Plant by 30.06.2019 to treat the waste water to meet the Board's stipulated standard of BOD – 30 mg/lit and TSS - 50 mg/lit. The industry shall properly collect 82 KLD of process & wash, boiler & cooling tower blow down waste water and the treat the waste water in the Effluent Treatment Plant (ETP). After treatment in the ETP, the treated waste water shall be utilized for on land irrigation / gardening duly meeting the Board's stipulated standard of BOD – 30 mg/lit and TSS - 50 mg/lit.
12. The industry shall construct & commission Sewage Treatment Plant (STP) by 30.06.2019 to treat domestic waste water to meet Board's stipulated standard of BOD – 30 mg/lit and TSS - 100 mg/lit. The industry shall properly collect 25 KLD of domestic waste water and the treat the waste water in the Sewage Treatment Plant (STP). After treatment in the STP, the treated waste water shall be utilized for on land irrigation / gardening duly meeting the Board's stipulated standard of BOD – 30 mg/lit and TSS - 100 mg/lit.
13. The industry shall provide digital flow meter with totaliser facility at inlet and outlet of ETP & STP so as to measure the quantity of wastewater routed through the ETP & STP and maintain log registers.
14. The industry shall provide dedicated energy meter to ETP & STP and maintain log registers.
15. The industry shall not discharge any waste water outside the industry premises under any circumstances.
16. The industry shall provide digital flow meter with totaliser facility for measuring the water consumption and maintain log registers.
17. As committed, the industry shall provide bio filter / ozonizer to control odour nuisance from feed plant by 30.06.2019.
18. The industry shall operate air pollution control equipment (APCE) attached to 2.8 TPH & 0.6 TPH oil fired boilers, so as to meet the Board's emission standard of SPM-115mg/Nm<sup>3</sup>. The industry shall not use wood as fuel under any circumstances.
19. The industry shall not store the raw material (raw shrimp) in an open area under any circumstances. All the raw materials shall be stored in a closed shed.
20. The industry shall carry out the whole process in a closed shed, so as to avoid odour nuisance to the nearby surroundings.
21. The industry shall store the prawn head & shell waste in closed containers and shall dispose the waste timely to chitin / feed manufacturing industries. The industry shall not dispose any solid waste outside the factory premises.
22. The industry shall not cause any air pollution / water pollution / noise pollution / odour nuisance to the surrounding environment.
23. The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry. In any case, the minimum greenbelt shall be 33% of the total area.

SCHEDULE – C

[See Rule 6 (2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING  
HAZARDOUS WASTES]

- 1) All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.
- 2) The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and amendments thereof.
- 3) 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/authorized parties.
- 4) 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.
- 5) The industry shall maintain proper records for Hazardous 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 and Transboundary Movement) Rules, 2016.

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JOINT CHIEF ENVIRONMENTAL ENGINEER

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