

FILE NO. :PCB/RO-EKM/EKM/OL-107/15

Date of issue :08/11/2017



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO ESTABLISH

ISSUED UNDER

**Section 25 of Water (Prevention & Control of Pollution) Act, 1974
Section 21 of the Air (Prevention & Control of Pollution) Act, 1981**

and

Environment (Protection) Act, 1986

As per Application No. :3344845

Dated:29-08-2017

TO

M/s METROLLA STEELS LTD.

METROLLA STEELS LTD.

PAIPRA

PEZHAKKAPPILLY P.O

MUVATTUPUZHA

Consent No. :O17ERRCTE3344845

Valid Upto :28/08/2020

1. GENERAL

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit.

1	VALIDITY	28/08/2020
2	Name and Address of the establishment	METROLA STEELS LTD. PAIPRA, PEZHAKKAPPILLY P.O, MUVATTUPUZHA 686674
3	Communication	Telephone :0485-2548313 Fax :0485-2830855 E-mail:metcon@gmail.com
4	Occupier Details	V. KURIAN VARGHESE, VELIYATH HOUSE, THRIKKALATHOOR P.O. MUVATTUPUZHA, ERNAKULAM DISTRICT, KERALA STATE, PIN - 683541
5	Local Body	PAIPRA
6	Survey Number	1054/28/1, 1048/15/1
7	Village	MULAVOOR
8	Taluk	MUVATTUPUZHA
9	District	Ernakulam ii
10	Capital Investment(Rs in Lakhs)	1592.36
11	Scale	Medium
12	Category	RED
13	Annual fee(Rs)	Rs 35,000/-
	Total Fee remitted(Rs)	Rs 1,05,000/-
14	RAW MATERIAL	PRODUCTS
	CLEAN SELECTED IRON SCRAP @150 Metric Tonnes SPONGE IRON @100 Metric Tonnes PIG IRON @50 Metric Tonnes M.S. INGOTS / BILLETS @250 Metric Tonnes	M.S. INGOTS / BILLETS @250 Metric Tonnes M.S. BARS / TMT BARS @250 Metric Tonnes
15	Total Power Required (HP)	10100

2. CONDITIONS AS PER

The Water(Prevention and Control of Pollution)Act, 1974

2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the proposal submitted along with the application shall be made functional before commissioning. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.

2.2 Water Consumption : 250 liters per day

2.3 Effluent Generation : NIL

2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

Sl.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

2.5 Mode of disposal of treated effluent : Reuse

3. CONDITIONS AS PER

The Air(Prevention and Control of Pollution)Act, 1981

3.1 Adequate air pollution control measures shall be provided before commissioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	
1	Emission from induction furnace(MS pipe 60cm dia)		30 m		Primary & Secondary hood , gas cooler , primary & secondary bag filter and ventury scrubber

3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm3)
1	Particulate matter	150

4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

4.1 The construction activities shall be carried out strictly in compliance with the provisions of the Noise Pollution (Regulation and Control)Rules 2000.

- 4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001
- 4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 4.4 e-waste shall be disposed off safely as per the E-Waste (Management) Rules, 2016.

5. SPECIFIC CONDITIONS

- 5.1. This integrated Consent/Authorisation is granted subject to the power of the Board to review and make variation in or revoke all or any of the conditions as the Board deems fit.
- 5.2. The applicant shall comply with the instructions that the Board may issue from time to time regarding the prevention and control of air, water, land and sound pollution.
- 5.3. At the end of the validity period if the construction is in progress, the same shall be got renewed. If the construction is not started in the consent period, the applicant shall apply afresh for consent to establish.
- 5.4. The date of commissioning shall be intimated, at least one month in advance, to the District office of the Board.
- 5.5. Consent to operate/ Authorisation shall be obtained, before commissioning the industry, under the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981 and the relevant Rules under Environment (Protection) Act, 1986.
- 5.6. Application for integrated consent shall be submitted only through the web portal of the Board for Online Consent Management & Monitoring System.
- 5.7. No change or alteration of the establishment is to be made without the prior written permission of the Board. Any change in the particulars furnished and/or in the identity of the occupier/authorized agent shall be intimated to the Board forthwith.
- 5.8. The location of all buildings and structures shall be as per the approved site plan.
- 5.9. The consentee shall put up a sign board of size 6x4 ft. near the main entrance of the plant to display the name of the unit and important consent conditions.
- 5.10. The construction debris and mud discharges etc from the construction site shall be disposed safely and the details of disposal of the same shall be intimated to the Board's office in advance.
- 5.11. Proper precautionary measures shall be provided during construction phase to minimize disturbance due to excavation, piling, transportation of materials etc.
- 5.12. Sanitation facilities shall be provided to the workers and the effluent shall be disposed off safely.
- 5.13. All operations likely to produce dust or noise shall be carried out with appropriate enclosure.

- 5.14 . Necessary arrangement for collection, segregation, storage, handling and disposal of solid waste including garbage shall be provided before commissioning. Biodegradable waste namely canteen waste, food waste etc if any shall be collected separately and disposed in onsite treatment facility such as biogas plant.
- 5.15. Sewage effluent shall be treated in septic tank as per IS 2470 (Part I): 1985 and discharged through soak pit with concreted bottom, honey comb brick work or perforated ring side wall, 75cm thick 2mm sand envelope outside it.
- 5.16. Adequate fire safety measures shall be provided in accordance with fire safety regulations.
- 5.17. The ambient air quality measured at 1 m outside the boundary of the premises shall not exceed the ambient air quality applicable to the adjoining area.
- 5.18. The sound level measured at 1 m outside the boundary of the premises shall not exceed the ambient sound level applicable to the adjoining area.
- 5.19. Renewable sources of energy such as solar energy shall be utilized effectively.
- 5.20. Water and energy conservation measures shall be adapted to the maximum extent possible.
- 5.21. Water sprinklers shall be provided to suppress spreading of dust outside the premises in the construction phase. The particulate matter PM (10) at the boundary of the premises shall not exceed 100 microgram per cubic metre.
- 5.22. Suitable species of trees and other plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment.
- 5.23. Arrangements for segregated collection, treatment and disposal of bio degradable and non degradable/recyclable garbage shall be provided.
- 5.24. The scrub water from the ventury scrubber shall be passed through settling tank and sand filter and collected in a tank and then be recirculated to scrubber.
- 5.25. Facility for rain water harvesting shall be maintained properly and arrangements for proper utilisation of harvested rain water shall be provided. The rain water harvest system shall be at least 20m away from the soak pit mentioned in 5.15 and shall be maintained properly
- 5.26. There shall not be any effluent discharge from the plant / premises.
- 5.27. On-line-digital monitor-cum-recorder for measurement of particulate matter emission from the stack provided shall be provided.
- 5.28. Only clean scrap shall be used for the manufacturing process.

- 5.29. There shall not be any fugitive emission from the plant / premises.
- 5.30. Log book/Register shall be provided for recording the quantity and mode of slag and ash disposal.
- 5.31. If operations are done with back up power , the generator shall have adequate capacity to run all associated pollution control devices.
- 5.32. Cooling water shall be recirculated.
- 5.33. TOD meter shall be provided to record energy consumption of the pollution control devices.
- 5.34. Area shall be earmarked for slag and ash storage with proper care to guard the same from rain water.
- 5.35. Slag and ash shall be given as raw material to cement mills or shall be utilized properly.

DATE :08/11/2017

SIGNATURE & SEAL OF ISSUING AUTHORITY



To

Sri. V. Kurian Varghese
Managing Director
Metrolla Steels Ltd.
Paipra
Pezhakkappilly P.O
Muvattupuzha – 686 674

Copy to:

1. Member Secretary, Head Office, Thiruvananthapuram
2. Environmental Engineer, District Office-2, Perumbavoor

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2. For verifying this document please go to krocmms.nic.in and search using name of the unit/Application Number in “Consent Granted Applications” link in the home page of the Board’s Online Consent Management & Monitoring System



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/EKM-2/ICE/14265810/2020

Date of issue :17/11/2020

INTEGRATED CONSENT TO ESTABLISH - RENEWAL

Consent No : R14ERNA-CTE-R-168005

Ref : CONSENT NO:O17ERRCTE3344845 08/11/2017-28/08/2020

The ' Integrated Consent to Establish' issued as per reference above to M/s METROLLA STEELSLTD.PAIPRA,PEZHAKKAPPILLY P.O, MUVATTUPUZHA, ERNAKULAM is hereby renewed up to 28/08/2025 and issued to M/s METROLLA STEELSLTD.PAIPRA,PEZHAKKAPPILLY P.O, MUVATTUPUZHA, ERNAKULAM The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	CATEGORY	RED
2	VALIDITY	28.08.2025
3	CAPITAL INVESTMENT	Rs.750 Lakh
4	ANNUAL FEE	Rs.60,000/-
5	FEE REMITTED	Rs.3,12,500/-
6	POWER LOAD	10100 HP

II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

III. CONDITIONS

5.1 This consent, unless withdrawn earlier shall be valid for five years from the date of issue. At the end of the validity period if the construction is not completed, the same shall be got renewed. Late application shall be accepted only with fine as applicable.

- 5.2 Consent to Operate / Authorisation shall be obtained before commissioning the building under the Water (Prevention and Control of Pollution) Act, the Air (Prevention and Control of Pollution) Act and the relevant Rules under Environment (Protection) Act
- 5.3 Set back as per building rules shall be provided between the boundary and the building.
- 5.4 Necessary arrangements for scientific storage, handling and disposal of solid / hazardous wastes shall be provided as per the SWM Rules 2016, before the commissioning of the unit
- 5.5 Sewage effluent shall be treated in septic tank as per IS 2470 (Part I): 1985 and discharged through soak pit with concreted bottom, honey comb brick work or perforated ring side wall, 75cm thick 2mm sand envelope outside it.
- 5.6 All operations likely to produce dust or noise shall be carried out with appropriate enclosure
- 5.7 The consentee shall put up a sign board of size 6x4 ft. near the main entrance of the plant to display the name of the unit and important consent conditions
- 5.8 The D. G. sets shall be provided with a minimum chimney height 0.2KVA meters above roof level of the highest nearby building (Where KVA is the capacities of all DG sets). The D. G. sets shall be placed at a minimum distance of (KVA/2) meters from the neighbouring residences / worship places / institutions (where KVA is the capacity of DG sets).
- 5.9 The construction debris and mud discharges etc from the construction site shall be disposed of scientifically
- 5.10 The location of the unit shall be as per the approved site plan. No change/alteration from that of approved site plan shall not be done.
- 5.11 Proper facilities shall be provided for the collection and storage of E-waste generate in the unit and agreement shall be made between authorized collection agent.
- 5.12 Proposed air pollution control devices and facilities submitted along with previous application shall be operational before the commissioning of the project.
- 5.13 Proposed On-line-digital monitor-cum-recorder for measurement of particulate matter emission from the stack shall be provided and the provision shall be given to connect the data to SPCB server.
- 5.14 Trees and curtain plants shall be planted within and along the boundaries of the factory premises and shall be maintained with due care.

All other conditions of the Integrated Consent to Establish issued as per reference above remain unchanged.

DATE :17/11/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, DO-2,EKM



To

Sri:V.KURIAN VARGHESE,
VELIYATH HOUSE,
THRIKKALATHOOR P.O.
MUVATTUPUZHA,
PIN - 683541
PAIPRA,
PEZHAKKAPPILLY P.O, MUVATTUPUZHA, ERNAKULAM 686674

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LOCATION SKETCH OF M/s MET ROLLA STEELS LTD

APPROVED SITE PLAN

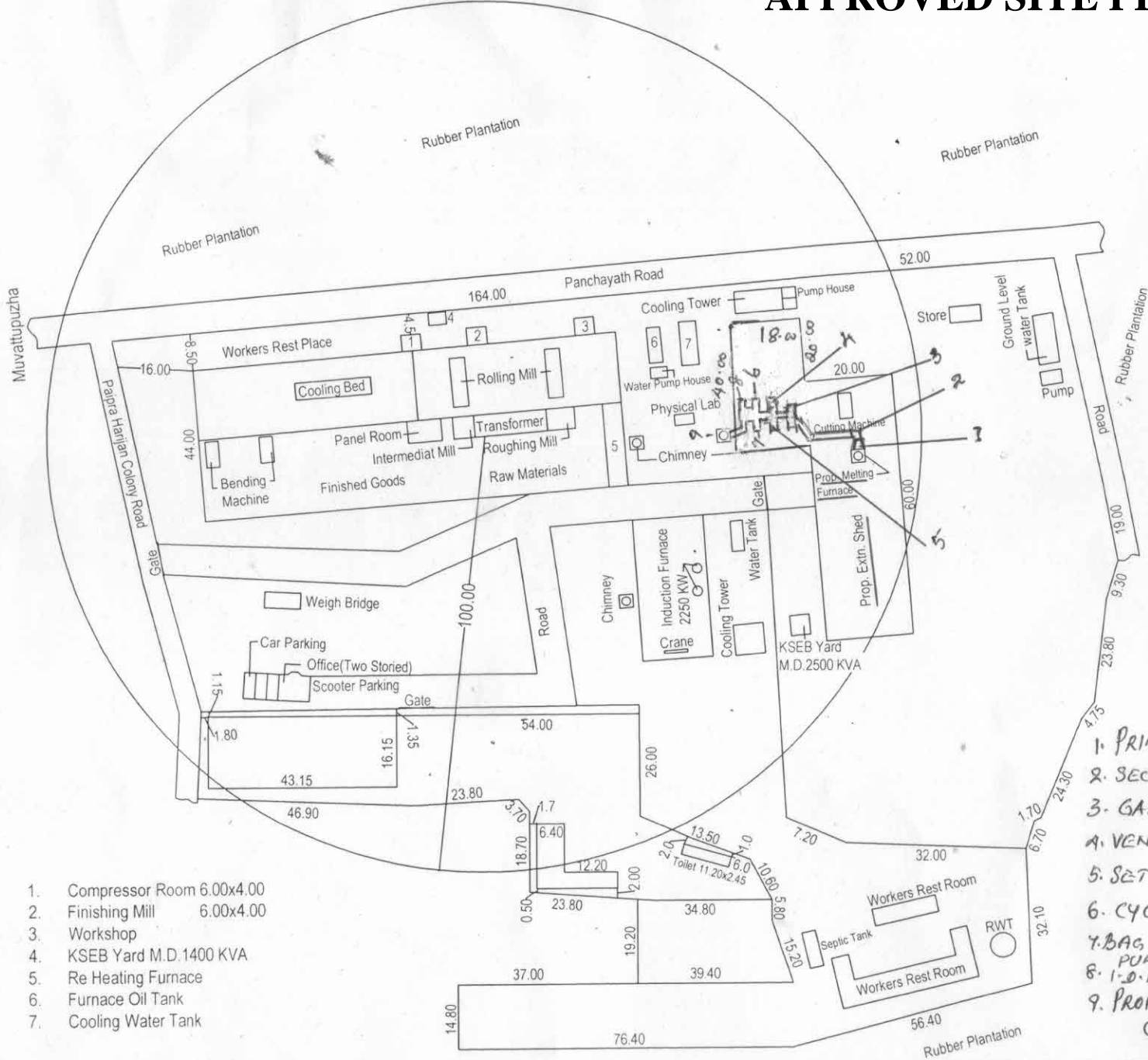


M/s Met Rolla Steels LTD
Paipra, Pezhakkappilly P.O.
Muvattupuzha 686 674

Sy.No. : 1054/28/1,1048/15/1
Village : Mulavoor
Taluk : Muvattupuzha
Panchayath: Paipra
District : Ernakulam
~~Plot~~ No. : II/531,533,537,539
Extent : 5.62 Acre

V. Kurian Varghese

Mg. Director : V. Kurian Varghese
Veliyath House
Thrikkalathoor P.O. 683 541



1. Compressor Room 6.00x4.00
2. Finishing Mill 6.00x4.00
3. Workshop
4. KSEB Yard M.D. 1400 KVA
5. Re Heating Furnace
6. Furnace Oil Tank
7. Cooling Water Tank

1. PRIMARY HOOD
2. SECONDARY HOOD
3. GAS COOLER
4. VENTURY SCRUBBER
5. SETTLING TANK
6. CYCLONE SEPARATOR
7. BAG FILTER WITH PULSEJET
8. I-D. FAN
9. PROPOSED CHIMNEY

Licensee

SHEENA.K.P

SHEENA.K.P
Licensed Supervisor - A
Reg.No: G6-889/10/135/6A
Kunnel House
Mudavoor P.O., Muvattupuzha



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/EKM/DO2/ICE-VARIA/R14ERNA168005/2021

Date of issue :13/10/2021

CONSENT VARIATION ORDER

Consent No : R14ERNA-CTE-VARIA-168005

Ref : CONSENT NO-R14ERNA-CTE-R-168005 DATED 17/11/2020 WITH VALIDITY UPTO 28/8/2025

The ' Integrated Consent to Establish' issued as per reference above to M/s METROLLA STEELS LTD, PAIPRA, PEZHAKKAPPILLY P.O, MUVATTUPUZHA, ERNAKULAM 686674 is hereby modified & issued to M/s METROLLA STEELS PRIVATE LIMITED, PAIPRA, PEZHAKKAPPILLY P.O, MUVATTUPUZHA, ERNAKULAM 686674 The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	CATEGORY	ORANGE
2	CAPITAL INVESTMENT	Rs.750 Lakh
3	ANNUAL FEE	Rs.43,000/-
4	FEE REMITTED WITH REFERENCE CONSENT	Rs.3,12,500/-
5	FEE FOR CVO	RS.4300/-
6	EXCESS FEE REMITTED	Rs. 93,200/-
7	NAME AND ADDRESS OF THE UNIT	METROLLA STEELS PRIVATE LIMITED, PAIPRA, PEZHAKKAPPILLY P.O, MUVATTUPUZHA, ERNAKULAM
8	RAW MATERIAL	CLEAN SELECTED IRON SCRAP /ANNUM-27000MT,SPONGE IRON /ANNUM-2400 MT,PIG IRON /ANNUM-600 MT, M.S.INGOTS/BILLETS/ANNUM-75000 MT
9	PRODUCT DETAILS	M.S. INGOTS/BILLETS /ANNUM-27000 MT, M.S. BARS/TMT BARS /ANNUM- 75000 MT

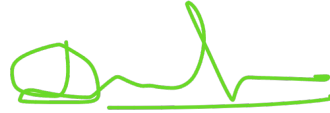
II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm3/Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

III. CONDITIONS

1. This consent variation order is granted on the basis of documents furnished by the applicant. If the statement furnished in the document is found false or in the case of non-compliance of integrated consent to operate conditions the consent issued will be withdrawn/cancelled.

All other conditions of the Integrated Consent to Establish issued as per reference above remain unchanged.



13.10.21

DATE :13/10/2021

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, DO-2,
ERNAKULAM



DINESH K.S.
Environmental Engineer

To

Sri. V. KURIAN VARGHESE
VELIYATH HOUSE
THRIKALATHOOR P.O.
MUVATTUPUZHA
ERNAKULAM
PIN - 683541

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KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :8073875

Date of issue :30/07/2018

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : R14ERNA-CTO-R-168005

Ref : Consent No :R15ERNACTOA583020 dated 01/06/15 with validity upto 30/06/2018

The ' Integrated Consent to Operate' issued as per reference above to M/s METROLLA STEELS LTD.,PAIPRA, PEZHAKKAPPILLY P.O, MUVATTUPUZHA is hereby renewed up to 30/06/2023 and issued to M/s METROLLA STEELS LTD.,PAIPRA, PEZHAKKAPPILLY P.O, MUVATTUPUZHA The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	Capital Investment	Rs.750 lakh
2	Validity	30.06.2023
3	ANNUAL FEE	Rs.60,000/-
4	FEE REMITTED	Rs.3,63,610/-

II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

III. CONDITIONS

3.1 For renewal of the consent in case of continuance of discharge/operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System 2 months prior to the date of expiry. Late application will be accepted only with fine.

3.2 This consent is granted subject to the power of the Board to review and make variation in or revoke any of the conditions as the Board deems fit as per the relevant Acts/Rules.

3.3 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution

3.4 No change or alteration of the unit/establishment is to be made without the prior written permission of the Board. Any change in the particulars furnished and/or in the identity of the occupier/authorized agent is to be intimated to the Board forthwith.

3.5 Arrangements for collection, segregation, storage, handling and disposal of solid Waste including garbage shall be provided and maintained properly.

3.6 This consent is granted on the basis of the affidavit and other documents furnished by the applicant. If the statement furnished in the affidavit/document is found false or in the case of non-compliance of integrated consent to operate conditions the consent issued will be withdraw/cancelled

All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

DATE :30/07/2018

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER DO 2 EKM



To
Sri.V. Kurian Varghese,
Veliyath House,
Thrikkalathoor P.O.
Muvattupuzha

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