

(This document contains 8 pages including annexure & excluding additional conditions)

For and on behalf of the
Karnataka State Pollution Control Board

Valid For Evaluation Only Does Not Cover Transactions

Signature Not Verified

Digitally signed by
Date: 2023.02.10 12:14:08
+05:30


IQAC COORDINATOR
Karnataka State Law University
Hubballi-25.


Registrar
Karnataka State Law University
Navanagar, Hubballi-580 025.



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

FORM

[See Rules 13(3)(ii),(iii),(iv)]

FORMAT FOR GRANTING AUTHORISATION FOR RECYCLING OF E-WASTE

Ref: Your application dt:31.03.2023 for Grant of Authorisation for Recycling of E-waste.

1. (a) Authorisation No. PCB/WMC/157/E-waste/2022/075 and (b) Date of issue: 08 MAY 2023

2. The Director of M/s. Trivalent Technologies Pvt Ltd (Zolopik), is hereby granted authorisation for Recycling of e-waste in the premises located at # 7A1, Kadugodi Industrial Area, Off Whitefield Road, Bengaluru-560067 for the following:

- Quantity of E-waste recycling: 360 MT/Annum only
 - Nature of e-waste for recycling: Electrical and Electronic Waste.
3. This authorisation shall be valid for a period from 18.04.2023 to 30.06.2027.

4. The authorisation is subject to the conditions stated below and such conditions as may be Specified in the Rules for the time being in force under the Environment (Protection) Act, 1986.

Signature _____

Designation: Senior Environmental Officer (WMC-1)

Date: 08 MAY 2023

Terms and conditions of authorisation

- The applicant for authorisation shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorized by the concerned State Pollution Control Board.
- Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- It is the duty of the authorised person to take prior permission of the concerned State Pollution Control Board to close down the operations.
- An application for the renewal of an authorisation shall be made in Form 4 before 120 days of its expiry.

I. The applicant shall comply with Rule 11 of E-waste (Management) Rules, 2016 as under:

- Shall ensure that the facility and recycling processes are in accordance with the standards or Guidelines prescribed by the Central Pollution Control Board from time to time;
- Ensure that no damage is caused to the environment during storage and transportation of E-waste;
- Ensure that the recycling processes do not have any adverse effect on the health and the Environment;
- Make available all records to the Central Pollution Control Board or the concerned State Pollution Control Board for inspection;

- (5) Ensure that residue generated during recycling process is disposed of in an authorised treatment storage disposal facility;
- (6) File annual returns in Form-3, to the concerned State Pollution Control Board as the case may be, on or before 30th day of June following the financial year to which that returns relates;
- (9) May accept waste electrical and electronic equipment or components not listed in Schedule-I for recycling provided that they do not contain any radioactive material and same shall be indicated while taking the authorisation from concerned State Pollution Control Board.

II. The applicant shall comply with the Guidelines for implementation of E-waste (Management) Rules, 2016 issued by CPCB for recyclers as follows:

1. Recyclers may set up their collection centres, details of which shall be entered in their authorisation. These collection centres shall not require separate authorisation. Recyclers can obtain raw material such as waste electrical and electronic assemblies or components or used components from producers/PRO/e-waste exchange/dismantlers and consumers/bulk consumers.
2. The Product of recyclers has to be sent or sold to users or other recyclers having valid CTO from SPCBs/PCCs. Any hazardous waste generated during the recycling processing will be sent to TSDF.
3. A recycler should be part of producer's channelization system.
4. A recycler should have Weigh Bridge and other appropriate weighing equipment for weighing each delivery received by it and maintains a record in this regard.
5. The unloading of end of life product should be carried out in such a way that there should not be any damage to health, environment and to the product itself. A recycler should have facilities for destroying or permanently deleting data stored in the memory of end of life products (Hard Disk, Telephones, and Mobile phones) either through shredding or grinding or through data eraser.
6. This Authorization is issued as per the provisions of E-waste (Management) Rules,2016 and the applicant shall follow new guidelines of CPCB issued as per E-waste (Management) Rules, 2022

Sd/-

**SENIOR ENVIRONMENTAL OFFICER
WASTE MANAGEMENT CELL-1**

**Draft Approved
By Member Secretary**

To,
The Director,
M/s. Trivendent Technologies Pvt Ltd (Zolopik),
Located at # 7A1, Kadugodi Industrial Area,
Off Whitefield Road,
Bengaluru-560067

Copy To:

- 1) Regional Officer- Mahadevapura for information and submit compliance report to the authorization conditions every month to the Waste Management Cell.

2) Case File.

**SENIOR ENVIRONMENTAL OFFICER
WASTE MANAGEMENT CELL-1**

Page 2 of 2

IQAC COORDINATOR
Kannada State Law University
Hubballi-25.

Registrar

Kannada State Law University
Navanagar, Hubballi-580 025.

Watermarkly

COPY TO:

The Environmental Officer, KSPCB, Regional Office Bangalore Mahadevapura for information and necessary action.

2. Master Register.
3. Case file.

Consent Fee paid : Rs. 72000

SCHEDULE

TERMS AND CONDITIONS

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.
- 2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.
- 2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.
- 3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall conform to the standards stipulated by the Board in Annexure-I
- 3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.
4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.
5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.
6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:
8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.
2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.
3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C. MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as indicated in Annexure I & II.
2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.
2. The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

- a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

- * dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- * A "decibel" is a unit in which noise is measured.
- * "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- * Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.
3. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
5. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
6. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.

(This document contains 8 pages including annexure & excluding additional conditions)

7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow points should be made easily approachable.
8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
9. The applicant his heirs, legal representatives or assignee shall have no claims whatsoever to the continuation or renewal of this consent after expiry of the validity of consent.
10. The applicant shall make an application for consent for subsequent period at least 120 days before expiry of this consent.
11. The applicant shall develop and maintain adequate green belt all around the periphery.
12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
13. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
14. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.
15. The applicant shall display flow diagram of the pollution control system near the pollution control system/s

NOTE:

The Conditions Nil mentioned in the schedule are not applicable.

Additional Conditions:

The industry shall comply with the terms and conditions as per the Annexure I enclosed

(This document contains 8 pages including annexure & excluding additional conditions)

Chimney No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits: Fuel mg/NM3		Air pollution Control equipment to be installed, in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Any Other	Melting Furnace 50 Kgs. - 2 Nos.		5 PM,SO ₂ ,NO _x ,C O, NMHC	0,0,0,0,0	F.O	SCR	At all times
2	Any Other....	Attached to E-Waste Dismantling Section		3 PM,SO ₂ ,NO _x ,C O, NMHC	0,0,0,0,0		DUS	At all times

Note:

SCR : Scrubber

DUS : Dust Collector

Note:

1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.
2. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection)Rules.
3. There shall be no smell or odour nuisance from the industry.

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.



Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church Street, Bengaluru-560001

Tele : 080-25589112/3,
25581383

Fax:080-25586321

Email id: ho@kspcb.gov.in

Consent For Operation(CFO-Air,Water) - (CfO-Fresh)

As per the provisions of
The Water (Prevention & Control of Pollution) Act, 1974
&
The Air (Prevention & Control of Pollution) Act, 1981

To

**Trivendent Technologies Pvt. Ltd (Zolopik), Kadugodi Industrial Area, Off.
Whitefield Road, Bangalore-56**

for the Facility located at,

**Trivendent Technologies Pvt. Ltd (Zolopik), No.7A1, Kadugodi Industrial Area,
Off. Whitefield Road, Bangalore-56**

Bangalore Urban

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
AW-336126	133487	174731	RED/SMALL	10/02/2023

**This Consent is granted for the Products/ Activity/Service name indicated
in the annexure along with the terms & conditions attached to this order**

Validity through: 10/02/2022 to 30/06/2027

Combined Consent Order No. AW-336126 PCB ID: 133487 Date: 10/02/2023

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act, 1974 and emission under the Air (Prevention and Control of Pollution) Act, 1981

- Ref: 1. Application filed by the applicant/organization on 26/12/2022
2. Inspection of the Industry/organization/by RO, on 22/12/2022
3. Proceedings of the ECM dated , held on

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions conforming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: Trivendent Technologies Pvt. Ltd (Zolopik)
Address: No.7A1,, Kadugodi Industrial Area, Off. Whitefield Road, Bangalore-56
Industrial Area: Kadugodi-Sadaramangala I.A, Kadugodi Industrial Area,
Taluk: BBMP- W- 83, District: Bangalore Urban

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Domestic Purpose	0.500	0.400	Shall be discharged into Septic tank and soak pit
2	Others	0.500	0.500	Scrabber liquid waste handed over to CETP

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No. Description of chimney/outlet Limits specified refer schedule

The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty	Unit
1	Recycling of e-waste	30.0000	Metric Tonnes/month
2	0	0.000	Metric Tonnes/month

Validity through : 10/02/202 to 30/06/2027
2

To,

Trivendent Technologies Pvt. Ltd (Zolopik)



Trivendent Technologies Pvt Ltd (Zolopik) Profile

Dear Sir/Madam,

We take this opportunity to introduce ourselves as an "E-Waste Recycling Company" situated at Kadugodi Industrial Area, Bangalore – 560090 which is very close to Whitefield which is very accessible, and helpful in rendering our services in time to our valued customers from Commercial Corporates to Individual Household.

We are Licensed and Certified by the "Karnataka Pollution Control Board" for as an Authorized Recycler for E-waste Management Activity. (Enclosed as attachment)

We are a professionally managed company, very much experienced and involved in this business for the past 08 years providing systematic solutions towards e-waste clearance by catering to our ever-growing satisfied clientele list with a service motto.

We maintain adequate books and records and other documentation consistent with and for the periods required by applicable regulatory requirements and guidelines pertaining to the performance delivery of the Recycling Services offered.

We are accountable for the statutory compliances including environmental regulations pertaining to the activities related to safe and secure disposal as mentioned/listed with respect to the E-Waste (Management) Rules, 2016.

We provide high-quality and timely services at very competitive prices by maintaining standard operational readiness as per the defined guidelines per se manual.

We would like to offer the services of our company to your esteemed organization and request you to provide an opportunity to serve you.

Please feel free to contact us for any queries, questions or concerns relating to our services at all times. Commercial details shall be furnished to you later post-discussion meet-up.

Contact Details:

1. Trivendent Technologies Pvt. Ltd. <Zolopik>
2. Hemanth Kumar: Mobile - 9611496949 | 9743440440
3. E-mail: recycle@zolopik.com
4. Website: www.zolopik.com

Awaiting to hear from you in positive affirmation to at least register us as a Vendor by endorsing us as an option to support your recycling efforts responsibly in anticipation.

With Best Regards,

Hemanth Kumar,

Trivendent Technologies Pvt. Ltd. (Zolopik)
E-waste Recycling Facility Authorized by KSPCB
7A1, Kadugodi Industrial Area,
off Whitefield Road, Bengaluru - 560067.
Ph: LL : Mob: 9611496949 | 9743440440
web: www.zolopik.com


IQAC COORDINATOR
Karnataka State Law University
Hubballi-25.


Registrar
Karnataka State Law University
Mysanganagar, Hubballi-580 025.



GENERAL GUIDELINES FOR E-WASTE SEGREGATION FOR DISPOSAL

Please be aware that there are different categories of waste which are regulated by rules issued by the Ministry of Environment and Forests (MOEF). Each waste-stream requires separate vendors who normally have individual authorizations or licenses that are specific to each category.

The list of applicable rules includes:

1. **E-Waste (Management) Rules, 2016**
2. Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2016
3. Plastic Waste Management Rules 2016
4. Batteries (Management and Handling) Rules, 2001
5. Bio-medical Waste Management Rules, 2016
6. Construction and Demolition Waste Management Rules, 2016
7. Municipal Solid Waste (M & H) Rules, 2016
8. For more details please refer: <http://cpcb.nic.in/>

As the above mentioned rules are applicable to various scrap / waste material types it is of regulatory importance that these categories are not mixed with each other. Such mixing will potentially lead to violations of the Rules as issued by the Central Pollution Control Board leading to penalties for the disposer, segregation and disposal costs evaluated by the waste disposal vendors as well as potential environmental pollution.


IQAC COORDINATOR
Karnataka State Law University
Hubballi-25.

Trivendent Technologies Pvt. Ltd. (Zolopik)
7A1, Kadugodi Industrial Area,
off Whitefield Road, Bengaluru – 560067.


Registrar
Karnataka State Law University
Navanagar, Hubballi-580 025.

web: www.zolopik.com
Mob: 9611496949 | 9743440440
E-Waste Management & Recycling Company



WHAT QUALIFIES AS E-WASTE?

1. All electrical and electronic appliances unless broken into parts that belong in any other category listed above. For e.g. an electric kettle is an item of E-Waste. However, a broken kettle part or handle thereof is an item to be qualified as Plastic Waste with the remainder of the part being E-Waste
2. Below is a common but incomplete list of electrical/electronic items that can be qualified as E-Waste at the end of life:
 - a. IT Related Items (Servers, Telecommunication equipment, Desktop CPUs, Laptops, Monitors, Printers, Scanners, Fax machines, Telephones, Keyboard, Mouse and related cables)
 - b. Domestic appliances (Fridges, Washing machines, ACs, TVs, Radios, Audio equipment, Fans, Microwaves, Electric Kettles, OTGs, Mixer grinders, Geysers, UPS systems (excluding batteries), Cell-phones, Landline phones, routers, Dish TV systems and set-top boxes, remote controls, pumps, motors, electrical panels etc.
 - c. Unbroken CFLs and tube-lights, LED and other light fixtures, electrical wire and cables


IQAC COORDINATOR
Karnataka State Law University
Hubballi-25

GENERAL ADVICE FOR E-WASTE SEGREGATION & DISPOSAL


Registrar
Karnataka State Law University
Hubballi-580 025.

1. Do not mix materials mentioned above with any other materials during storage for disposal
2. Categorize your lot by item type, count and weight if possible
3. Store fragile items such as tube-lights / CFLs separately and safely
4. Ensure that the area for storage is well lit and closed from the elements. If possible storage location should facilitate easy access for transport vehicles
5. Batteries (Lead acid and primary batteries) can be embedded in these materials and should be separated where possible.
6. Battery terminals should be taped to avoid short-circuits during storage

Trivalent Technologies Pvt. Ltd. (Zolopik)
7A1, Kadugodi Industrial Area,
off Whitefield Road, Bengaluru – 560067.


web: www.zolopik.com
Mob: 9611496949 | 9743440440
E-Waste Management & Recycling Company



7. Mixing of hazardous wastes (broken glass, paints and pigments, varnishes, used oil, toner dust, inks, solvents, broken bulbs / CFL / Tube-lights, glass wool and other insulation material and other wastes designated for incineration or land-fill with E-Waste can lead to penalties and lot disposal charges
8. Once separate lots have been made according to waste categories please contact authorized vendors for disposal of the same
9. For E-Waste please ensure vendor completes Form-6 (Transport Manifest) before lifting the material. Similar Forms (e.g. Form-10 for hazardous and Form-13 for batteries) exist for other hazardous wastes, please consult the individual Rules for additional information
10. Authorized vendors for E-Waste should also provide a passbook entry for the E-Waste lifted to the disposers

5 POINT CHECKLIST FOR DISPOSERS

1	Is the E-Waste segregated from all other regulated wastes?	
2	Is the area suitable for storage of E-Waste?	
3	Have you taken counts / weights of the various segregated categories?	
4	Have you evaluated vendor credentials, competence and authorization?	
5	Have you ensured safe storage of CFLs, tube-lights and other fragile E-Waste?	


IQAC COORDINATOR
Karnataka State Law University
Hubballi-25.

Trivendent Technologies Pvt. Ltd. (Zolopik)
7A1, Kadugodi Industrial Area,
off Whitefield Road, Bengaluru – 560067.


Registrar
Karnataka State Law University
Hubballi-580 025.

web: www.zolopik.com
Mob: 9611496949 | 9743440440
E-Waste Management & Recycling Company