



**TELANGANA STATE POLLUTION CONTROL BOARD**  
**Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar,**  
**Hyderabad-500 018**  
**Phone : 040-23887500**

**CONSENT, HAZARDOUS WASTE AUTHORISATION AND E-WASTE AUTHORISATION**

**Consent Order No: 13/TSPCB/CFO/MDC/RO-RR-II/HO/2023**

**Dt: 21.03.2023**

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, Authorization under Rule 6 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, Authorization under Rule 13 of the E-waste (Management) Rules, 2016.

CONSENT under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, Authorization under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, Authorization under the provisions of E-waste (Management) Rules, 2016 and amendments thereof the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') are granted to:

**M/s. Resustainability Reldan Refining Private Ltd., Sy. No. 684/1, Dundigal (V), Quthubullapur (M), Medchal-Malkajgiri District.**

(Hereinafter referred to as 'the Applicant /Facility') and the facility is authorized to operate the industrial plant to discharge the Effluents from the outlets and the quantity of Emissions per hour from the chimneys, by operating pollution control equipment, hazardous waste generation & disposal and e-waste facility as detailed below,

**i) Out lets for discharge of Effluents:**

S.No.	Source of Effluent	Treatment proposed	Mode of final disposal
	Process effluents (3.0 KLD)	The industry has provided electrically operated evaporator, 2 x 50 Ltrs/hour capacity	Zero Liquid Discharge (Neutralization tank & Evaporator)
	Domestic effluents(4.0 KLD)	---	Septic tank followed by soak pit

**ii) Emissions from chimneys:**

S. No.	Source of Pollution	Control equipment provided	Stack height in Mts - above GL
1	Attached Electrical Induction Furnaces of 140 Kg & 7 Kg capacities.	Bag Filters	10 mtr
2	Attached to 8 TPH crusher of Granulation	Bag Filters	10 mtr
3	Attached to Ball Mill of 200 Kg	Bag Filter	10 mtr
4	Attached to Acid room	Scrubber and Filter	10 mtrs
	Attached to Cyanide room	Scrubber and Filter	--
5	DG set of capacity 500 KVA	Acoustic Enclosure	10 mtrs

iii) Authorization No: 13/TSPCB/CFO/MDC/RO-RR-II/HO/2023 Date: 21.03.2023

**HAZARDOUS WASTE AUTHORIZATION  
(FORM – II) [See Rule 6 (2)]**

M/s. Resustainability Reldan Refining Private Ltd., Sy. No. 684/1, Dundigal (V), Quthubullapur (M), Medchal-Malkajgiri District is hereby granted an authorization for generation, collection, storage, transport and disposal of the following wastes with quantities:

Sl. No.	Name of the Hazardous Waste	Quantity	Disposal Option
1	Scrap Batteries, CFL's, Tube Lights, Dust from Bag Filters and other materials not fit for recycling, ETP sludge and Evaporation salts.	As generated	Shall be disposed to TSDF for secured landfill
2	Used oil		Shall be disposed to TSDF, Dundigal

iv) Authorization No: 13/TSPCB/CFO/MDC/RO-RR-II/HO/2023 Date: 21.03.2023

**AUTHORIZATION FOR COLLECTION, STORAGE & RECYCLING OF E-WASTE (Rule 13(4))**

1. M/s. Resustainability Reldan Refining Private Ltd., is hereby granted authorization for Recycling, Collection, Storage of E-Waste in the premises situated at Sy. No. 684/1, Dundigal (V), Quthubullapur (M), Medchal-Malkajgiri District.
2. The authorization is granted for E-Waste Recycling & Refurbishing – 37.7 TPD.
3. The facility shall comply with the following:

Sl. No.	Name of the Hazardous Waste	Quantity	Disposal Option
1	Scrap Batteries, CFL's, Tube Lights, Dust from Bag Filters and other materials not fit for recycling.	As generated	Shall be disposed to TSDF for secured landfill.

This Consent order, HW Authorization and E-waste Authorization is valid for the activity and capacity as mentioned below:

S. No	Product Name	Quantity
1	Recycling & Refurbishing of Waste Electrical & Electronic Equipments (E-Waste) and Industrial Waste with Precious Metal Recovery	37.7 TPD

This order is subject to the provisions of 'the Acts' and the Rules' and amendments made there under and further subject to the terms and conditions incorporated in the Schedules A, B, C & D enclosed to this order.

This combined order of Consents, HW Authorization and E-Waste Authorization is valid for a period of up to 28.02.2028.

**Sd/-  
MEMBER SECRETARY**

**To  
M/s. Resustainability Reldan Refining Private Ltd.,  
Sy. No. 684/1, Dundigal (V),  
Quthubullapur (M), Medchal-Malkajgiri District.**

**//T.C.F.B.O//**

*K. Reddy*

**JOINT CHIEF ENVIRONMENTAL ENGINEER**

*K*

## SCHEDULE – A

1. The facility shall follow the rules & regulations as notified under Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act 1981, Environment (Protection) Act, 1986 and Public Liability Insurance Act, 1991 and amendments thereof.
2. The applicant should make application through online for renewal of Consent under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act 1981, Authorization under HWM Rules and Authorization under E-Waste Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: <http://tspcb.cgg.gov.in/Pages/Circulars.aspx>).
3. This order is issued in line with CFE order dt.31.10.2022. 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.
4. The facility shall not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and should not change or alter either the prescribed quality or the rate of emission without prior approval of the Board. The facility shall immediately submit the revised application for consent to this Board in the event of any change in the building and site specifications, manufacturing process / activity, quantity of trade effluents & quantity of emissions, quantity of waste, etc. The facility shall take prior permission of the Board to close down the facility.
5. In case of any accident, the facility shall report immediately to the Board about the accident through telephone and e-mail under intimation to the Collector and District Magistrate. The facility shall take immediate action to bring down the discharge / emission resulting from accident, below the limits prescribed in this order. The occupier shall implement Emergency preparedness plan for safe handling of hazardous waste to protect human health and environment in case of fire, explosion or release of hazardous waste or hazardous waste constituents. The occupier shall educate the workers and nearby public of possible accidents and remedial measures. The occupier or the transporter as the case may be, shall be held responsible for any accident or spillage of hazardous wastes causing damage to the Environment
6. The facility is liable to pay compensation for any environmental damage caused by it, as fixed by the Hon'ble Courts, Collector and District Magistrate as Civil liability.
7. The facility shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate. The first sign board should provide information on specific conditions of CFO, Hazardous Waste Authorisation and E-waste Authorization. The second sign board should display waste water, air emissions and solid waste generated within the factory premises. The applicant should exhibit the Consent & HW Authorisation and E-waste Authorization of the Board in the factory premises at a prominent place for the information of the inspecting officers.
8. The facility may explore the possibility of tapping solar energy for their energy requirements.
9. The facility shall comply with the all the directions issued by the Board from time to time.

10. The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of law.
11. 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 the State Water Rules, 1976 and Air Rules 1982, to such authority (hereinafter 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.
12. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof, to review any and/or all the conditions imposed herein, to modify conditions or stipulate any further conditions and to take action including revocation of this order in the interest of public health and environment.

#### SCHEDULE – B

13. The source of water is Borewell/Tankers supply. The water consumption shall not exceed the following:

S.No.	Purpose	Quantity KLD
(i)	Process	3.0
(ii)	Domestic	5.0
(iii)	Green belt	12.0
	<b>Total</b>	<b>20.0 KLD</b>

14. The facility shall carry out E –Waste Recycling activity in closed sheds only.
15. The facility shall provide water meter for recording water consumption for domestic purpose.
16. The facility shall not discharge any wastewater outside the plant premises.
17. Manual dismantling shall be carried out over the dismantling table with space de-dusting hoods connected with bag dust collectors venting out through a chimney of 3 meter above roof levels. The facility shall continuously operate dust extraction system with bag filters by providing required power back-up. The facility shall regularly carryout monitoring of emissions and maintain records.
18. Noise control arrangements for equipment like crusher, grinder and shredder needs to be provided.
19. Separate energy meter shall be provided for the dust extraction system with bag filters and record of power consumption shall be maintained.
20. The facility shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/ m<sup>3</sup>; PM2.5 (Particulate Matter size less than 2.5 µm) - 60 µg/ m<sup>3</sup>; SO<sub>2</sub> - 80 µg/ m<sup>3</sup>; NO<sub>x</sub> - 80 µg/m<sup>3</sup>, outside the factory premises at the periphery of the facility and the standards for other parameters as mentioned in the National Ambient Air Quality Standards, CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009. The facility shall comply with the level limits, i.e., Day time - (6 AM to 10 PM) - 75 dB (A) and Night time - (10 PM to 6 AM) - 70 dB (A).

21. The facility shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004.
22. In case of refrigerators and air conditioner, the refrigerant gases such as chlorofluorocarbon (CFCs), hydro chlorofluorocarbons (HCFCs) etc. shall be collected by using gas recovery equipment for their recovery and storage. The refrigerant gases may be re-used or disposed by thermal destruction adopting any of the following options:
- i. By incineration in existing common HW incinerators
  - ii. By co-processing in cement kiln
  - iii. By plasma destruction
- In case of dismantling refrigerators and air conditioners, only skilled manpower having adequate tools and personal protective equipments (PPEs) must be deployed to manually separate compressors. Prior to dismantling the compressors, adequate facilities should be provided for recovery of safe collection of refrigerant gases and compressor oils.
23. The premise for dismantling operation should fulfill the following requirements:
- a. Weather proof roofing and impermeable surfaces for working areas with spillage collection facilities, decanters, degasser, and degreasers. Spill kits to deal with spillages of oils, fuel and acids should be provided.
  - b. Appropriate storage for disassembled spare parts.
  - c. Appropriate containers for storage of batteries, capacitors containing PCBs (Polychlorinated biphenyls) or PCTs (Polychlorinated terphenyls). Containers should be clearly labelled to identify their contents.
24. The facility shall develop and maintain green belt along the boundary of the facility.
25. The facility shall maintain good housekeeping.

#### **SCHEDULE – C**

##### **[Rule 6 (2)]**

#### **[CONDITIONS OF HAZARDOUS WASTE AUTHORISATION]**

1. The facility shall store the generated hazardous waste in closed room until its disposal to TSDF. If MS/HDPE bags or drums are used for storing Hazardous Wastes, these drums / bags should be ensured that they are perfectly sealed.
2. The dust collected in the bag filters and non-recyclable e-waste shall be disposed to TSDF.
3. The facility shall not store hazardous waste for more than 90 days. The facility shall follow online manifest system (maintain 7 copy manifest system in case of any technical problem in the online system) for transportation of waste generated and copies of receipt of Consignee shall be submitted to the Concerned Regional Office.
4. The facility shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. Waste oils shall be disposed to the authorized Re-processors/ Recyclers and Used Lead Acid Batteries shall be disposed to the manufacturers / dealers / recyclers on buyback basis. The facility shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises.
5. The facility shall take necessary steps to decontaminate E-Waste and render it non-hazardous by components and materials. Hazardous electronic components such as switches, Poly chlorinated biphenyl (PCBs) etc. shall be recovered and sent to TSDFs for treatment and disposal.

6. Hazardous Wastes shall not be mixed with any other wastes or discharged into sewerage or other drainage system.
7. The project shall maintain proper records of Hazardous Wastes in Form-3 i.e., quantity of incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rules. In case of variation in generation, facility shall obtain necessary amendment in this regard.
8. Packaging, labeling and transportation of Hazardous Wastes should be in accordance with the provisions of the rules issued by the Central Govt. under the Motor Vehicles Act, 1988 and other guidelines issued from time to time. The packaging and labeling should be based on the composition and hazardous constituent of the waste, however all Hazardous Waste containers should be provided with a general label. The transporter should carry a Transport Emergency (TREM) Card (as given in the guidelines for management and handling of hazardous wastes) duly filled by the Hazardous Waste generator.

### **SCHEDULE – D**

#### **[Rule 11 (2)]**

#### **[CONDITIONS OF E-WASTE AUTHORISATION]**

1. The facility shall carry out recycling with permissible capacity corresponding to the shed area provided.
2. The facility shall ensure that the recycling process is in accordance with the CPCB guidelines.
3. The facility shall not rent, lend, sell, transfer or otherwise transport the E-Wastes without obtaining prior permission of the Board.
4. The unloading of e-waste/end of life products should be carried out in such a way that there should not be any damage to health, environment and to the product itself. Unloading of Cathode Ray Tubes (CRT), LCD / LED / Plasma TV, refrigerator, air conditioners and fluorescent and other mercury containing lamps should be carried out under supervision in such a way to avoid breakage.
5. The E-waste shall not be stored openly. The facility shall store the raw-material and finished products in closed shed only. During storage of e-waste, the facility shall take measures to avoid damage to refrigerators and air-conditioner; Cathode Ray Tubes; fluorescent and other mercury containing lamps and equipment containing asbestos or ceramic fibres to prevent spillage and emissions.
6. Cathode Ray Tubes (CRT), LCD / LED / Plasma TV and fluorescent and other mercury containing lamps, Dismantled Circuit Boards, Capacitors, Batteries, Capacitors containing PCBs (Polychlorinated biphenyls) or PCTs (Polychlorinated terphenyls) etc., shall be stored either in containers or stored in stable manner to avoid damage or breakage and shall not be stored in open.
7. The facility shall carry out the cutting, and segregation operations for dismantling of CRTs in closed chamber, in low vacuum (650 mm of Hg) and the dust to be extracted through cyclones and bag filters.
8. E-Waste shall not be mixed with any other wastes or discharged into sewerage or other drainage system.
9. The facility shall ensure that the Recycling process is in accordance with the CPCB guidelines. The facility shall carry out the E-waste Recycling activity in scientific manner in closed sheds, to avoid emission of gases / dust particles into the atmosphere. Collection boxes with adequate capacity in sufficient number should be placed near dismantling table for keeping the dismantled components.
10. The facility shall ensure that the collected waste is not stored for more than 180 days. The facility shall not collect any waste other than E-Waste, which leads to automatic cancellation of this authorization with immediate effect.

11. The facility shall maintain and operate weighing bridge / equipment for weighing each delivery received by it and maintain a record in this regard.
12. The facility shall maintain and operate facilities for destroying or permanently deleting data stored in the memory of end of life products (Hard Disk, Telephones, Mobile phones) either through hammering or through data eraser.
13. The facility shall ensure that no damage is caused to the environment during storage and transportation of E-Waste.
14. The transportation of e-waste shall be carried out as per the manifest system, giving the details as per Form-6.
15. The facility shall maintain records of the E-Waste handled in Form – 2 and make such records available for scrutiny by the Board. The facility shall file Annual Returns in Form – 3 to the Board on or before 30th day of June following the financial year to which that return relates.
16. The facility shall submit compliance report on the conditions stipulated in Schedules A, B, C & D of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

**Sd/-  
MEMBER SECRETARY**

To  
**M/s. Resustainability Reldan Refining Private Ltd.,  
Sy. No. 684/1, Dundigal (V),  
Quthubullapur (M), Medchal-Malkajgiri District.**

//T.C.F.B.O//

*K. S. Reddy*

**JOINT CHIEF ENVIRONMENTAL ENGINEER**

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