



TELANGANA STATE POLLUTION CONTROL BOARD
ZONAL OFFICE: HYDERABAD

H.No.6-3-1219, 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

CONSENT & HW AUTHORIZATION ORDER - RED CATEGORY

Consent Order No: 842-RR-I/TSPCB/ZOH/TS-iPASS/CFO/2023-280 Date: 25.07.2023

(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 and Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof) and Authorization / Renewal of Authorization under Rule 6 of the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act, 1981 (hereinafter referred to as 'the Acts') and Authorization under the provisions of HW (M & TM) Rules (herein after referred to as 'the Acts' 'the Rules') the rules and orders made thereunder to.

M/s. Renewsys India Pvt. Ltd.,
(Formerly M/s. Solar Semi Conductors Pvt. Ltd.),
Fab City, Sy.No.114, Srinagar (V),
Maheshwaram (M), Rangareddy District.

(hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant, 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 (After Expansion)	Point of Disposal	Limiting Standards
Photo Voltaic Solar Cell Fab Unit				
1.	Process Effluent RO rejects HTDS	137.0 KLD	After pretreatment, shall be send to MEE of JETL, Jeedimetla for further treatment and disposal.	Inlet parameters of CETP prescribed by the Board
2.	RO Permeate, cooling makeup and ETP treated water	135.0 KLD	After treatment in ETP followed by RO. The RO permeated shall be used for cooling make-up / plantation and RO rejects shall be sent to MEE of JETL	pH – 5.5 to 9.0 TSS – 200 mg/L BOD – 30 mg/L Oil & Grease – 10 mg/L
3.	Domestic effluents	84.8 KLD	After treatment in STP, the treated wastewater shall be utilized for gardening within the premises.	pH – 5.5 to 9.0 TSS – 200 mg/L BOD – 30 mg/L Oil & Grease – 10 mg/L
Assembling of Solar Photo Voltaic Modules Unit				
4.	Glass washing	3.0 KLD	After treatment in STP, the treated wastewater shall be utilized for gardening within the premises.	pH – 5.5 to 9.0 TSS – 200 mg/L BOD – 30 mg/L Oil & Grease – 10 mg/L

5.	Domestic effluents after treatment in STP	20.8 KLD	After treatment in STP, the treated wastewater shall be utilized for gardening within the premises.	pH – 5.5 to 9.0 TSS – 200 mg/L BOD – 30 mg/L Oil & Grease – 10 mg/L
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ii) Emissions from chimneys:

Chimney No.	Description of Chimney (After expansion)	Quantity of Emissions at peak flow	Emission Standards
1 & 2.	Attached to D.G. Sets of capacity 2 x 1650 KVA (Assembling of Solar Photo Voltaic Cell Modules Unit)	--	SPM - 115 mg/Nm ³

iii) Hazardous Waste Authorization: (Form – 2) [See Rule 6(2)]:

M/s. Renewsys India Pvt. Ltd., (Formerly M/s. Solar Semi Conductors Pvt. Ltd.), Fab City, Sy.No.114/P, Srinagar (V), Maheshwaram (M), Rangareddy District is hereby granted an authorization to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as mentioned below:

S. No.	Name and quantity of the Hazardous waste	Total quantity (After Expansion)	Stream	Disposal option
1.	Waste Oil	1400 LPA	5.1 of Sch-I	Shall be sent to Authorized Reprocessing / Recycling units
2.	Rejected Wafers not suitable for rectifying	0.01 % of the total production	---	Shall be sent to M/s. TSDF, Dunidgal, Rangareddy District/AFRF facilities for pre-processing/ Cement units for co-processing.
3.	ETP Sludge	8.2 TPD	34.3 of Sch-I	
4.	Aluminum Scrap assembling	11 kgs/day	---	Shall be sold to authorized re-processors / re-cyclers.
5.	Waste Xylene	20 LPM	20.2 of Sch-I	Shall be sent to M/s. TSDF, Dunidgal, Rangareddy District/AFRF facilities for pre-processing/ Cement units for co-processing.

This order is subject to the provisions of ‘the Acts’ and ‘the Rules’ and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This consent is valid for manufacture the following products along with quantities only.

S.No.	Product & By product	Total Quantity (After Expansion)
1.	Photo Voltaic Solar Cell Fab	210 MW/annum
2.	Assembling of Solar Photo Voltaic Modules	700 MW/annum

This combined order of Consent & Hazardous Waste Authorization shall be valid for a period ending with the **31.05.2028**. *The industry shall pay the consent fees annually from the financial year 2026-27 to till the validity of the consent order.*

The payment of annual consent fee for every financial year (i.e., April to March) within the stipulated time period i.e., 1st quarter of every financial year (April - June) is mandatory for the industry. Failing which, the validity of the Consent Order automatically stands cancelled and operation of industry without valid Consent attracts penal action under the provision of Water Act, Air Act & Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

JOINT CHIEF ENVIRONMENTAL ENGINEER

Encl: Schedules A, B & C

To
M/s. Renewsys India Pvt. Ltd.,
(Formerly M/s. Solar Semi Conductors Pvt. Ltd.),
Fab City, Sy.No.114, Srinagar (V),
Maheshwaram (M),
Rangareddy District.
Email Id: murthy.lekkala@renewsysindia.com

Copy to the Member Secretary, TSPCB, Board Office, Hyderabad for information.
Copy submitted to The General Manager, District Industries Centre, 4th Floor, Rangareddy District Collectorate Office, Lakdikapool, Hyderabad.
Copy to the Environmental Engineer, TSPCB, Regional Office-I, Rangareddy District for information. The EE, RO, RR-I is further directed to ensure that the industry pays the annual consent fees for every financial year (i.e., April to March) within the stipulated time period i.e., 1st quarter of every financial year (April-June) and the EE, RO, RR-I shall report to this office, if any non-compliance by the industry.

SCHEDULE – A

1. The applicant shall make applications through online for renewal of Consent (under Water & 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 for obtaining Consent & HW Authorization of the Board. 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>).
2. 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.
3. The industry may explore the possibility of tapping the solar energy for their energy requirements.
4. 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 Rules, 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.
5. 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 protection of public health and environment.

SCHEDULE – B

Special Conditions:

1. **The industry has paid consent fee i.e., upto 31.05.2026. The industry shall pay the consent fees annually from the financial year 2026-27 to till the validity of the consent order i.e., upto 31.05.2028.**
2. **The industry shall pay balance consent fee annually as per the rates notified in GO Ms No. 22. The payment of annual consent fee shall be made at the concerned RO for every financial year (i.e., April to March) within the stipulated time period i.e., 1st quarter of every financial year (April - June) is mandatory for the industry. Failing which, the validity of the Consent Order automatically stands cancelled and operation of industry without valid Consent attracts penal action under the provision of Water Act, Air Act & Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016.**
3. **The industry either paying annual fee or total fee for consented period, shall pay the balance consent fee as per the revised rates as applicable from time to time**
4. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

S. No.	Purpose	Total Consumption (After expansion)
1.	Process & Washings	323.0 KLD
2.	Process and cooling	70.0 KLD
3.	Soft water generation	30.0 KLD
4.	RO & Di Re-generation	80.0 KLD
5.	Domestic	98.0 KLD
6.	Gardening	19.5 KLD
	Total:	620.5 KLD

The Industry shall maintain separate water meters for the above areas and maintain records.

5. The industry 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. In case of DG sets more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

6. The industry should comply with the National ambient air quality standards as per MoEF, GoI notification dated. 18.11.2009 along the premises of the factory as prescribed below:

S. No.	Parameters	Standards in $\mu\text{g}/\text{m}^3$
1	Particulate Matter(PM_{10})	100
2	Particulate Matter ($\text{PM}_{2.5}$)	60
3	SO_2	80
4	NO_x	80

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A).

7. The industry shall manufacture only consented products and shall produce within the consented capacities. Under no circumstances, the industry shall manufacture any unconsented products without obtaining CFE & CFO of the Board.
8. The industry shall send the process effluent RO Rejects (HTDS) effluents of 137 KLD shall be send to MEE of M/s. JETL, Jeedimetla, Medchal-Malkajgiri District for further treatment and disposal.
9. The industry shall treat the RO Permeate, cooling makeup and ETP treated waste effluents of 135 KLD (after expansion) in ETP and the treated effluents shall be further treated in Reverse Osmosis (RO) System. The RO permeate shall be used for cooling makeup / plantation and RO rejects shall be sent to MEE of M/s. JETL, Jeedimetla, Medchal-Malkajgiri District.
10. The industry shall treat the domestic effluents & glass wash makeup effluents and Domestic effluents after treatment in STP in Sewage Treatment Plant (STP) and after treatment in STP, shall be utilized for on land for gardening within the industry premises.
11. The industry shall have minimum of 7 days storage capacity of effluents on above ground level, with-in the premises.
12. The industry shall provide & maintain water meters for recording water consumption for various purposes and maintain records of daily water consumption.
13. As per G.O.Rt.No.286, the industry shall transport the industrial effluents and plying on the roads is allowed between 6 AM to 6 PM only.
14. The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. The industry shall provide a platform with suitable ladder below 1 meter of sampling port to accommodate three persons with instruments. The industry shall also provide a 5 AMP 250 V plug point on the platform.
15. The industry shall not discharge any waste water to outside the factory premises.
16. The industry shall not cause any air pollution / odour nuisance to the surrounding environment.
17. The industry shall not dispose the solid waste outside the factory premises.
18. The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. The industry shall provide a platform with suitable ladder below 1 meter of sampling port to accommodate three persons with instruments. The industry shall also provide a 5 AMP 250 V plug point on the platform.
19. The industry shall collect hazardous waste i.e., Rejected Wafers not suitable for rectifying, ETP sludge properly and shall send to M/s. TSDF, Dundigal, Medchal-Malkajgiri District / M/s. GEPL infrastructure, Ramkamcherla, Pudur, Vikarabad District for safe disposal.
20. The industry shall take necessary measures to control acid fumes at the neutralization tank near the ETP.
21. The industry shall not discharge any waste water to outside the factory premises.
22. The industry shall not cause any air pollution / odour nuisance to the surrounding environment.

23. The industry shall not dispose the solid waste outside the factory premises.
24. 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.
25. The industry shall maintain good housekeeping & maintain proper records for hazardous waste stated in the authorization.
26. The industry shall submit Environmental Statement in Form V before 30th September every year as per Rule No.14 of Environmental (Protection) Act, 1986.
27. The industry shall take necessary measures to control fugitive emissions.
28. The industry shall take all precautionary and safety measures during process operations.
29. The industry shall comply with the ambient air quality standards in respect of noise, as stipulated in the Environment (Protection) Rules, 1986.
30. The industry shall comply with all the directions issued by the Board from time to time.
31. 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.
32. The Board reserves its right to modify above conditions or stipulate any further conditions in the interest of environment protection.
33. This Order is issued to the industry without prejudice to the action taken by the Task Force of the Board.
34. The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

SCHEDULE - C
(See Rule 6(2))

**[SPECIAL CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR
HANDLING HAZARDOUS WASTE]**

1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 180 days as per the Hazardous & other wastes (Management and Transboundary Movement) Rules, 2016 and amendments thereof. The industry shall maintain 7 copy manifest system for transportation of waste generated and copies of receipts of consignee shall be submitted the Concerned Regional Office. 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 & other wastes (Management, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.
3. The industry shall ensure for proper labelling of Hazardous Waste / other waste containers with particulars of industry & type of Waste along with characteristics, while storage & transporting the waste to Recyclers / TSDF / Cement Industries.
4. The industry shall maintain proper records for Hazardous Wastes disposal and its concurrence with Authorization. In case of Violation in generation, industry shall submit explanation and obtain amendment in Environmental Clearance/CFE/CFO in this regard.
5. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. The Waste oils to the traders and the same shall be disposed to the authorized Reprocessors / Recyclers and Used Lead Acid Batteries shall be disposed to the manufacturers / dealers on buyback basis. The industry shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises. The industry shall check the certificate/Authorisation/ order of MoEF issued to the Re-user/Recycler units while disposing the waste oil. The industry shall maintain good housekeeping & maintain proper records for Hazardous Wastes stated in Authorisation.

6. The industry shall dispose the e-waste to authorized recyclers / dismantlers only.
7. The industry shall maintain good housekeeping.
8. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.



JOINT CHIEF ENVIRONMENTAL ENGINEER

To
M/s. Renewsys India Pvt. Ltd.,
(Formerly M/s. Solar Semi Conductors Pvt. Ltd.),
Fab City, Sy.No.114, Srinagar (V),
Maheshwaram (M), Rangareddy District.

