



GUJARAT POLLUTION CONTROL BOARD

REGIONAL OFFICE

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NO.GPCB/ROR/RJT-6708/ID-72557/2023/

Dt :

CCA Amendment Order No: AWH-66983, Date of issue: 19/09/2023

To,
M/s. PIXON GREEN ENERGY PVT LIMITED (72557)
S. No. 157/1, 158/1, 158/2, 165/1, 166, Plot No. 1/2,
Village : Khijadiya Nana- 360110,
Taluka: Paddhari, Dist: Rajkot.

SUB:- Amendment in the Consolidated Consent & Authorization (CCA) of the board.

- REF:- 1. Your CCA Amendment Application Inward No. - 285955, Dt. 24/08/2023.
2. CCA Order No. AWH-44819 issued on 27/01/2021 vide letter No. GPCB/CCA/RJT-6708/ID-72557/17871, dated on 04/02/2021.
3. CCA Amendment Order No A-51597 issued on 21/01/2022 vide letter No. GPCB/ROR/RJT-6708/ID-72557/18566, dated on 23/05/2022.
4. CTE Amendment Order No : 59941, vide letter No. GPCB/ROR/CTE-RJT-6708/ID-72557/2023/19153, dated on 14/03/2023.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, Section-21 of the Air (Prevention and Control of Pollution) Act-1981, under Rule 6(2) of the Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016 & framed under the Environment (Protection) Act-1986. The Board has granted CCA Order No. AWH-44819 issued on 27/01/2021 vide letter No. GPCB/CCA/RJT-6708/ID-72557/17871, dated on 04/02/2021 and CCA Amendment Order No A-51597 issued on 21/01/2022 vide letter No. GPCB/ROR/RJT-6708/ID-72557/18566, dated on 23/05/2022. The board has right to review & amend the conditions of the said CCA.

The CCA order is further amended as below :

1. Consolidated Consent and Authorization Order No: **AWH-66983** , Date of Issue: 19/09/2023
2. The consent shall be **valid up to 05/01/2026** for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/ products.

Sr. No.	Name of Product	Existing Capacity	Proposed Capacity	Total Capacity
1.	solar modules	83,400 Nos/Month	66,000 Nos/Month	1,49,400 Nos/Month
2.	EVA Sheets	8.5 Lac. Square meter/Month	----	8.5 Lac Square meter/Month

➤ **SPECIFIC CONDITIONS:**

- Unit shall obtain CGWA permission within 3 Months and inform accordingly.
- Unit shall comply with Circular dated : 27/08/2021 regarding retrofitting of emission control device/equipment in D.G. Set with Capacity of 125 KVA and above in State of Gujarat, if applicable.

3. **CONDITIONS UNDER THE WATER ACT, 1974:**

Water Source: - Tanker

- 3.1 There shall be no fresh water consumption for Industrial process.
- 3.2 The quantity of fresh water consumption for domestic purpose shall not exceed **40.0 KLPD**.
- 3.3 There shall be no discharge of industrial effluent from the manufacturing process and other ancillary industrial operations
- 3.4 The quantity of domestic wastewater (sewage) shall not exceed **22.0 KLPD**.
- 3.5 The treated sewage shall be utilized for gardening/plantation purpose within factory premises.

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Clean Gujarat Green Gujarat

- 3.6 The treated sewage shall comply with following norms :

PARAMETERS	GPCB NORMS
pH	6.5 to 9
BOD (3 days at 27 C)	<30 mg/l
Total Suspended Solids	< 100 mg/l
Fecal Coliform	< 1000 MPN/100 ml

*All effluent shall be made to remove color & unpleasant odour as far as practicable.

4. **CONDITIONS UNDER THE AIR ACT,1981:**

- 4.1 The following shall be used as fuel in **D.G. Set** respectively.

Sr. No.	Fuel	In Use	Total Quantity
2.	Diesel	D.G. Set (1000 KVA)	10 Lit/Hr

- 4.2 The applicant shall Install & operate air pollution control system in order to achieve norms prescribed below.

- 4.3 The flue gas emission through Stack shall attached to **D.G. Set** shall confirm to the following standards:

Stack No.	Stack attached to	Stack Height in Meter	APCM	Parameter	Permissible Limit
1.	D.G. Set (1000 KVA) (Standby) (1 Nos.)	05	---	----	----

- 4.4 The process gas emission through stack attached to **Exhaust blower attached to tabber strings fumes and Exhaust blower attached to vacuum pumps of laminator** shall confirm to the following standards:

Stack No.	Stack attached to	Stack Height in Meter	APCM	Parameter	Permissible Limit
1.	Exhaust blower attached to tabber stringers fumes (2 Nos.)	10	----	Particulate Matter	150 mg/NM ³
2.	Exhaust blower attached to vacuum pumps of laminator (2 Nos.)	10	----	Particulate Matter	150 mg/NM ³

- 4.5 Ambient air quality within and outside the premises of the unit shall conform nation ambient air quality standard notified by MOEF vide notification date 16/11/2009 and mainly to the following Standards: -

PARAMETERS	PERMISSIBLE LIMIT	
	Annual	24 Hrs Average
Particulate Matter-10 (PM 10)	60 Microgram/m ³	100 Microgram/m ³
Particulate Matter- 2.5 (PM 2.5)	40 Microgram/m ³	60 Microgram/m ³
SO ₂	50 Microgram/m ³	80 Microgram/m ³
NO _x	40 Microgram/m ³	80 Microgram/m ³

- 4.6 The applicant shall provide portholes, ladder, platform, etc. at chimney(s) for monitoring the air Emission the same shall be open for inspection to/and for use of board's staff. The chimney(s) Vents attached to various source of emission shall be assigned by numbers such as S-1, S-2, etc. And these shall be painted / displayed to facilitate identification.

- 4.7 The applicant shall provide proper ventilation and exhaust facilities so as to maintain healthy working Atmosphere within the factory premises.

4.8 **D.G. Sets Conditions:**

- The D.G. Set shall have acoustic enclosure and shall comply with the standards specified at Sr. no. 95 of Schedule-I of the rule-3 of E.P. Rules -1986 and Noise pollution level as per the Air Act-1981.
D.G. Sets standards:- The Flue gas emission through stack attached to D.G.Sets shall conform to the following standards.
- a) The minimum height of stack be provided with each of the generator set shall be $H=h+0.2(KVA)^{1/2}$, where H= Total stack height in meter, h= height the side of which the generator set is installed.
- b) Noise from DO set shall be controlled by providing an acoustic enclosure or by treating the room Acoustically, at the users end.
- c) The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) Insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the Actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure /Acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.
- d) The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
- e) All efforts shall be made to bring down the noise level due to the D.G.Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
- f) Installation of a D.G.Sets must be strictly in compliance with the recommendations of the D.G.Set manufacturer.
- g) A proper routine and preventive maintenance procedure for the D.G, Set should be set and followed in consultation with the DG Set manufacturer which would help prevent noise levels of the DG Set from deteriorating with use.

5. **AUTHORISATION FOR THE HAZARDOUS AND OTHER WASTE(MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES 2016 Form-2 (See rule 6(2)):-**
Form for grant of authorization for occupier or operator handling hazardous waste.

- 5.1 **M/s. PIXON GREEN ENERGY PVT LIMITED (72557)** products is here granted authorization to operate facility for following hazardous wastes on the premises situated at **S. No. 157/1, 158/1, 158/2, 165/1, 166, Plot No. 1/2, Village : Khijadiya Nana- 360110, Taluka: Paddhari, Dist: Rajkot.**

Sr. No.	Hazardous waste	Category	Quantity (MT/Year)	Facility
1.	Used / Spent Oil	I -5.1	0.800	Collection, Storage, Transportation, Disposal, Selling to Registered Recycler/ reuse,
2.	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	I-33.1	4.00	Collection, Storage, Transportation and return back to supplier or decontamination facility.

- 5.2 The authorization shall be **valid up to 05/01/2026**.
- 5.3 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.
- 5.4 The authorization is granted to operate a facility for collection, storage, recycle/reuse within factory premises as per condition No.5.1.

5.5 **TERMS AND CONDITIONS OF AUTHORIZATION :**

- 5.5.1 The applicant shall comply with the provisions of the Environment (Protection) Act-1986 and the rules made there under.
- 5.5.2 The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.

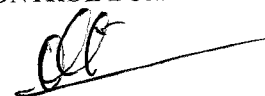
- 5.5.3. The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
- 5.5.4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
- 5.5.5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 5.5.6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and Penalty".
- 5.5.7. It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 5.5.8. An application for the renewal of an authorization shall be made as laid down in rules 6(2) under Hazardous Waste and Other Waste Rules, 2016.
- 5.5.9. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 5.5.10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 5.5.11. The hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 5.5.12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 5.5.13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 5.5.14. The waste generator shall be totally responsible for (i.e. collection, storage, transportation and ultimate disposal) the wastes generated.
- 5.5.15. Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form-4 by 30 day of June of every year for the preceding period April to March.
- 5.5.16. In case of any accident, details of the same shall be submitted on Form-11 to Gujarat Pollution Control Board.
- 5.5.17. As per "Public Liability Insurance Act-91" company shall get Insurance Policy, if applicable.
- 5.5.18. Empty drums and containers of toxic and hazard material shall be treated as per guideline published for "Management & Handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
- 5.5.19. In case of transport of hazardous wastes to a facility for (ie. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain "No Objection Certificate" from the State Pollution Control Board or Committee of the concerned State of Union Territory Administration where the facility exists.
- 5.5.20. Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Actions taken in this regard shall be submitted within three months and also along with Form-1.
- 5.5.21. Industry shall have to display the relevant information with regards to hazardous waste as indicated in the Hon. Supreme Court's Order in W.P. No.657 of 1995 dated 14 October, 2003.
- 5.5.22. Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous wastes generated within the factory premises.



6. **GENERAL CONDITIONS:**

- 6.1 Unit shall develop green belt within premise as per the CPCB guidelines. However, if the adequate land is not available within premises, the unit shall tie up with local agencies like gram panchayat, school, and social forestry office etc. for the plantation at suitable open land in nearby locality and submit an action plan of plantation for Next three years to GPCB.
- 6.2 Plantations should be started along with constitution activity. For plantation within the premises, a spacing of at Least 4 m x 4 m shall be kept i.e. to say 260 plants per acre shall be plantation. For plantation outside the Premises a spacing of 2mx 2m will be kept i.e. to say 1000 plants per acre.
- 6.3 Adequate plantation shall be carried out all along the periphery of premises in such a way that the Density of plantation is at least 1000 tree per acre of land and a green belt of 10 meters width is developed.
- 6.4 In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the board.
- 6.5 The applicant shall however, not without the prior consent of the board bring into use any new or altered Outlet for the discharge of effluent or gaseous emission or swage waste from the proposed industrial Plant. The applicant is required to make application to this board for this purpose in the prescribed Forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
- 6.6 The overall noise level in and around the plant area shall be kept well within the standard by providing noise Control measure including engineering control like acoustic insulation hood, silencers, enclosures etc on all Source of noise generation. The ambient noise level shall conform to the standards prescribed under the Environment (Protection) Act-1986 & Rules.
- 6.7 The concentration of noise in ambient air within the premises of industrial unit shall not exceed following levels:
Between 6 A.M. and 10 P.M.: 75 dB (A)
Between 10 P.M. and 6 A.M.: 70 dB (A)
- 6.8 Applicant is requiring complying with the manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 Framed under the Environment (Protection) Act-1986.
- 6.9 If it is established by any competent authority that the damage is caused due to their industrial activities to any Person or his property. In that case they are obliged to pay the compensation as determined by the competent authority.
- 6.10 Applicant shall have to comply with the guidelines/directive issued/being issued by MoEF/CPCB/DoEF from Time to time.
- 6.11 Applicant shall not use/withdraw ground water either during construction and/or operation phase.
- 6.12 Environmental cell shall be step and shall be responsible for the total Environmental management.
- 6.13 Monitoring in respect to Air, Water, Noise level shall be carried out regularly and results shall be submitted to this Board.

FOR AND ON BEHALF OF
GUJARAT POLLUTION CONTROL BOARD



(B.M. Makwana)
Regional Officer
Rajkot