



Abstract

Energy Department - Tamil Nadu Repowering, Refurbishment and Life Extension Policy for Wind Power Projects - 2024 - Modifications proposed to clauses 4, 6, 9 and 10 of the Policy - Approved - Orders - Issued.

Energy (E1) Department

G.O.(Ms.) No.3

Dated: 14.01.2026

விசுவாவச வருடம், மார்க்டி 30,
திருவள்ளுவர் ஆண்டு 2056

Read:

- (1)** G.O.(Ms) No.80, Energy (E1)Department, dated 22.08.2024.
- (2)** From the Chairman, TNGECL, Letter No.DIR/Tech/CE/NCES/SE/SOLAR/EE/WPP/AEE2./F. Repowering Policy/D.44/2025, Dated 06.10.2025 and 03.12.2025.

ORDER:

The Government, vide the Order first read above, approved the "Tamil Nadu Repowering, Refurbishment and Life Extension Policy for Wind Power Projects – 2024"

2. The above policy has been challenged by various wind energy associations before the Hon'ble High Court of Madras by a batch of Writ Petitions [W.P. (MD) No.25443, 25444 and 25624 of 2024], in which the implementation of the entire Repowering Policy, 2024 has been stayed, by Order dated 23.10.2024. The above is tagged with the lifetime extension of windmill cases pending before the Division Bench of the Hon'ble High Court of Madras.

3. The Managing Director, Tamil Nadu Green Energy Corporation Limited, in the letter Second read above, has stated that, during the past hearings, both the parties requested the Hon'ble Court to grant some time as the study and discussion is going on to come out with an amicable solution. Hence, the case posted for further hearings.

4. The Managing Director, Tamil Nadu Green Energy Corporation Limited has also stated that to sort out the issues and challenges in implementing the said 2024 Policy, a Sub-committee has been formed with the Chief Engineer, Non-Conventional Energy Sources, Tamil Nadu Green Energy Corporation Limited, Original Equipment Manufacturer (OEM), Think Tank Organization and Stakeholders, as members to offer their suggestions.

5. The Managing Director, Tamil Nadu Green Energy Corporation Limited has further stated that the sub-committee, after having various rounds of discussions, had given its suggestions and the proposed modifications in some clauses of the Government Order, which have been tabulated. Further, based on the representation given by the Indian Wind Power Association, amendments proposed to clauses 10.2 and 10.3 of the Policy have been modified. The details of the proposal are given in the Annexure to this order.

6. The Government, after careful examination have decided to accept the proposal of the Chairman, Tamil Nadu Green Energy Corporation Limited and hereby approves the amendments proposed to clauses 4, 6, 9 and 10 of the "Tamil Nadu Repowering, Refurbishment and Life Extension Policy for Wind Power Projects – 2024" as in Column (4) of the Table at Annexure to this order.

7. Tamil Nadu Green Energy Corporation Limited is requested to pursue necessary further action with reference to the cases related to the 2024 Policy pending before the Hon'ble High Court of Madras, in consultation with the Government Law Officers, High Court of Madras.

(By Order of the Governor)

**MANGAT RAM SHARMA,
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT (FAC)**

To

The Additional Chief Secretary/CMD, TNPDCL, Chennai – 2.

The Managing Director, TNGECL, Chennai – 2.

The Finance Department, Chennai – 9.

All Departments of Secretariat, Chennai – 9.

Copy to:

The Hon'ble Chief Minister Office, Chennai – 9.

The Senior Personal Assistant to Hon'ble Minister

(Finance, Environment and Climate Change), Chennai-9.

The Senior Personal Assistant to Hon'ble Minister

(Transport and Electricity), Chennai-9.

The Senior Principal Private Secretary to the Chief Secretary to
Government, Chennai – 9
The Public (SC) Department, Secretariat, Chennai – 9.
All Officers/All Sections of Energy Department, Chennai – 9
SF/SC.

//Forwarded / By Order//

Conc Ref ID: 26
Section Officer

14/11/26

ANNEXURE

Sl. No.	Clause No.	Existing	Modified
(1)	(2)	(3)	(4)
(i)	4	<p>Eligibility:</p> <p>All Wind Energy Generators (WEGs) in the State of Tamil Nadu with STU connectivity shall be eligible under this policy subject to the following:</p> <p>1. It is mandatory for all the WEGs who have completed their operational life period of 20 years to opt for any one of the (Repowering/Refurbishment/Life extension) above activities.</p> <p>2. For other WEGs, participation is voluntary</p>	<p>Eligibility:</p> <p>All Wind Energy Generators (WEGs) in the State of Tamil Nadu with STU connectivity shall be eligible under this policy subject to the following:</p> <p>1. For WEGs commissioned before 1st April 2016, it shall be mandatory to opt for repowering or refurbishment or life extension upon completing 20 years of operational life.</p> <p>2. For WEGs commissioned on or after 1st April 2016, it is suggested that the requirement to undertake repowering, refurbishment, or life extension may be applied after completing 25 years of operational life.</p>
(ii)	6.1.a & 6.2.a	<p>Increase in Annual Generation:</p> <p>A project which satisfies the eligibility criteria mentioned earlier shall be considered for Repowering under this Policy, provided it leads to an increase in the annual energy generation of atleast 1.25 and 1.1 times that of the existing generation of the old WEGs (average generation of last 3 years).</p>	<p>Increase in Annual Generation:</p> <p>A project that satisfies the eligibility criteria mentioned earlier shall be considered for repowering under this policy, provided it leads to an increase in annual energy generation. The increase may be defined on a pro-rata basis, relative to the capacity repowered (not based on the old capacity) added through repowering, and may serve as a benchmark for project evaluation.</p>
(iii)	6.1.d	<p>Development Charge:</p> <p>WEGs shall have to pay the</p>	<p>Development Charge:</p> <p>WEGs shall be required to pay a development charge of Rs. 30 Lakh/MW for the incremental</p>

		development charge at the rate of Rs. 30 Lakh / MW for the entire wind generation capacity	repowered capacity. For the existing wind capacity, a nominal charge of Rs. 5 Lakh/MW shall be applicable.
(iv)	6.2.c	Certification: The WEGs shall have to get wind turbines assessed and certified by any certification agency for quality and safe operation for the New Life Period. The assessment of the turbines shall be carried out as per UL 4143: Wind Turbine Generator Lifetime Extension standard or any such standards issued by the BIS. After the assessment, a separate type certificate or extension of the previous type certificate shall be issued by the certification body.	Certification: The WEGs shall be assessed and certified for structural integrity by the Original Equipment Manufacturer (OEM) or a certified Chartered Engineer (Civil). Certification for electrical safety shall be obtained from the Chief Electrical Inspector to Government (CEIG) as per applicable procedures.
(v)	6.2.e	Development Charge: WEGs shall have to pay the development charge at the rate of Rs. 30 Lakh / MW for each approval for the wind generation capacity.	Development Charge: WEGs undertaking refurbishment shall pay a development charge at the rate of ₹50,000 per MW per annum basis
(vi)	6.3.a	Eligibility: WEGs which have completed their life period of 20 years and whose average generation of the last 3 financial years is not less than 90% of their rated generation based on the certification from an	Eligibility: WEGs which have completed their life period of 20 years and whose average generation of the last 3 financial years is not less than 70% of their rated generation based on the certification from an independent agency like NIWE

		independent agency like NIWE.	
(Vii)	6.3.c	<p>Certification: The WEGs shall have to get wind turbines assessed and certified by any certification agency for quality and safe operation for the New Life Period. The assessment of the turbines shall be carried out as per UL 4143: Wind Turbine Generator Lifetime Extension standard or any such standards issued by the BIS. After the assessment, a separate type certificate or extension of the previous type certificate shall be issued by the certification body.</p>	<p>Certification: The WEGs shall be assessed and certified for structural and civil integrity by the Original Equipment Manufacturer (OEM) or a certified Chartered Engineer (Civil). Certification for electrical safety shall be obtained from the Chief Electrical Inspector to Government (CEIG) as per applicable procedures.</p>
(Viii)	6.3.e	<p>Development Charge: WEGs shall have to pay the development charge at the rate of Rs. 30 Lakh / MW for each approval for the wind generation capacity.</p>	<p>Development Charge: WEGs undertaking Life extension shall pay a development charge at the rate of ₹50,000 per MW per annum basis</p>
(ix)	9.d(i)	<p>Continuity of existing PPA: For any WEG, which has an existing PPA with TNPCL and it opts for undertaking repowering/ refurbishment/life extension under this policy, the existing generation would continue to be procured as per the terms of existing PPA till the PPA</p>	<p>Continuity of existing PPA: For any WEG which has an existing PPA with TNPCL and opts for undertaking repowering, refurbishment, or life extension under this policy, the generator has to continue supplying the existing generation capacity under the terms of the existing PPA till its tenure and at the end of PPA, the WEGs has the option either to execute a new PPA at the latest tariff discovered by competitive bidding undertaken by SECI or any</p>

		tenure.	other central agency in India or tariff fixed by Hon'ble TNERC whichever is lesser or opt for wheeling through an Energy Wheeling Agreement (EWA) as per applicable regulations.										
(x)	10.2	<p>Annual Banking Arrangements: The benefits of annual banking under the new arrangements will be subject to the following conditions:</p> <p>a) Annual Banking shall be allowed within the same financial year. i.e. from 1st May up to 31st March of the same financial year, subject to the condition that at least 50% generation is consumed within the wind months (May to September).</p> <p>b) Slot-wise Banking will be allowed up to 50% of total generation in the respective slots from 01st May to 30th September. The slots are given as below-</p> <table border="1"> <thead> <tr> <th>Slot</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>6AM to 8AM</td> </tr> <tr> <td>C2</td> <td>8 AM to 5 PM</td> </tr> <tr> <td>C3</td> <td>5 PM to 12 AM</td> </tr> <tr> <td>C4</td> <td>12AM to 6 AM</td> </tr> </tbody> </table> <p>c) Any surplus energy in excess of 50% of the Total Energy Generated fed into the grid by the WEGs shall lapse and shall not be</p>	Slot	Time	C1	6AM to 8AM	C2	8 AM to 5 PM	C3	5 PM to 12 AM	C4	12AM to 6 AM	<p>The benefits of annual banking under the new arrangements will be subject to the following conditions:</p> <p>a) Annual Banking Energy shall be allowed to be utilized within the same financial year. i.e. from 1st April upto 31st March. Any surplus unutilised banked energy at the end of every Financial Year shall be paid at 75% of the tariff fixed by TNERC and as amended from time to time.</p> <p>b) The accounting of banked energy shall be as per TNERC Regulations. The block timings shall be as approved by TNERC.</p> <p>c) Deleted.</p> <p>d) Utilisation of the month-on-month generation and banked energy is applicable as below:</p> <p>a. Slot-to-slot utilisation is allowed.</p> <p>b. Peak hour (C1 & C2) energy is allowed to allot and utilise in Normal hours (C4) and in Off-peak hours (C5) consumption.</p> <p>c. Deleted</p> <p>e) The banking charges to be deducted from the WEGs, in kind, shall be determined</p>
Slot	Time												
C1	6AM to 8AM												
C2	8 AM to 5 PM												
C3	5 PM to 12 AM												
C4	12AM to 6 AM												

	<p>added in the Banked Energy quantum.</p> <p>d) Slot-wise utilization of energy from 01st October to 31st March will be allowed, i.e., utilization of energy during the months of October to March can be done in that particular slot in which it was generated during the period of 01st May to 30th September subject to the following- .</p> <p>a. The minimum utilization shall be 20% of the Net Banked Energy each month from 01st October to 31st December. During the period of 1st January to 31st March, the utilization shall not exceed 15% of Net Banked Energy each month.</p> <p>b. In the event that the WEG utilizes less than 20% of the Net Banked Energy in any of the months between 01st October to 31st December, the unutilized energy for that month shall lapse.</p> <p>c. Any unutilized Net Banked Energy as on 31st March shall lapse.</p> <p>e) WEGs shall be charged 16% of the Banked Energy as Banking charges in kind with revision every year based on the difference between the weighted average cost of power</p>	<p>and as approved by TNERC.</p> <p>f) Adjustment of energy generated against consumption by the captive users shall be as per the applicable TNERC's orders/regulations, including the Deviation Settlement Mechanism Regulations.</p>
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		<p>purchase from power exchange by TNPDCL for May-September and October-March period as per the below formula:</p> <p>Banking Charges (in %) = $\left(1 - \frac{PP_1}{PP_2}\right) * 100$</p> <p>$PP_1$ (in Rs/kWh) = $\sum_{i=1}^5 \sum_{j=1}^4 P_{ij} * B_{ij}$</p> <p>$PP_2$ (in Rs/kWh) = $\sum_{i=6}^{11} \sum_{j=1}^4 P_{ij} * U_{ij}$</p> <p>Where,</p> <ul style="list-style-type: none"> • PP_1 - Weighted Average cost of power purchase from power exchange during the months of May-September • PP_2 - Weighted Average cost of power purchase from power exchange during the months of October-March • P_{ij} = Weighted average cost of power purchase from power exchange by TNPDCL in j^{th} slot of i^{th} month <p>f) Adjustment of energy generated against consumption by the captive users shall be as per the applicable TNERC's orders/regulations, including the Deviation Settlement Mechanism Regulations.</p>	
(xi)	10.3	<p>Fall in Distance: According to the Government of Tamil Nadu</p>	<p>Fall in Distance: The requirement shall be relaxed to a distance calculated and followed for the Repowered</p>

		<p>Combined Development and Building Rules 2019, the required fall in distance from a dwelling unit is 500 meters. However, this requirement is being relaxed to a distance calculated as below:</p> <p>The hub height (in meters) + half the diameter of the blade/rotor (in meters) + 5 meters.</p> <p>Relaxation is contingent upon the implementation of adequate noise mitigation measures by the WEG.</p>	<p>WEGs with a higher rotor diameter and hub height: Hub height (in meters) + half the rotor diameter (in meters) + 5 meters from Public Roads marked/ notified by the concerned State/Central Government, railway tracks, highways, buildings, public institutions, and EHV lines.</p> <p>This relaxation is contingent upon the implementation of adequate noise mitigation measures by the WEG.</p> <p>This clause shall not be applicable to the existing WEGs seeking</p> <ul style="list-style-type: none"> a) life extension b) Refurbished WEGs without any modification to Hub height or Rotor Dia and c) Repowered WEGs with the same Rotor Dia and Hub Height of the old WEG.
(xii)	10.4	<p>Wind solar hybrid Projects: The Project Developers who shall be undertaking wind repowering / refurbishment projects under this Policy are hereby being given permission to convert their wind projects into wind solar hybrid Projects.</p>	<p>Wind solar hybrid Projects: The Project Developers undertaking wind repowering, refurbishment, life extension, or any operating or proposed wind farm under this Policy are hereby permitted to convert their wind projects into wind-solar hybrid projects.</p>
(xiii)	10.4.e	<p>Must-run status for solar capacity in wind solar hybrid plant shall not be applicable during wind season (May - Sep).</p>	<p>Must-run status for combined wind and solar generation in wind-solar hybrid plants may be extended up to the sanctioned evacuation capacity, including the wind season (May - Sep).</p>

**MANGAT RAM SHARMA,
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT (FAC)**

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*Conc 2
14/11/2026*
Section Officer

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14/11/2026*