



TAMILNADU POLLUTION CONTROL BOARD

Category of the Industry :

RED

CONSENT ORDER NO. 2108231262811

DATED: 04/02/2021.

PROCEEDINGS NO.T2/TNPCB/F.0318GMP/RL/GMP/A/2021 DATED: 04/02/2021



SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT –M/s. NTPC TAMILNADU ENERGY COMPANY LIMITED , S.F.No. 1556, VELLIVOYAL village, Ponneri Taluk and Tiruvallur District - Renewal of Consent for the operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg.

REF: 1. TNPCB Proc No. T2/TNPCB/F.0318GMP/RL/GMP/A&W/2019 dated: 28/06/2019
2. Application No.31262811 dated 17/02/2020 for RCO.
3. IR.No : F.0318GMP/RL/JCEE-M/GMP/2020 dated 14/09/2020.

RENEWAL OF CONSENT is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Chief Executive Officer
M/s.NTPC TAMILNADU ENERGY COMPANY LIMITED,
S.F.No. 1556,
VELLIVOYAL village,
Ponneri Taluk,
Tiruvallur District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This RENEWAL OF CONSENT is valid for the period ending March 31, 2022

R. Kannan

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Kannan
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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Power generation (3x500) MW	1500	MW

2. This renewal of consent is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I	Point source emission with stack :			
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
1	Boiler 1725 T/hour- 2 Nos	ESP with stack	275	
2	Boiler 1725 T/hour- 1 No	ESP with stack	275	
3 to 6	DG SET 1250KVA-4 no.s	Stack	25	
II	Fugitive/Noise emission :			
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Turbo Generator-3 No.s	Noise	Acoustic enclosures	
2.	DG Sets 4 No.s	Noise	Acoustic enclosures	
3.	Coal Handling Plant	Fugitive	Dust suppression system/Fogging system	



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Special Additional Conditions:

The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.

Additional Conditions:

1. The unit shall operate and maintain the existing APC measures provided to process emissions efficiently and continuously so as to adhere to the AAQ/SM/ANL standards prescribed by the Board.
2. The unit shall maintain the OCEMS provided at the outlet of stack attached to each three Boilers for emission parameters SPM, SO₂ & NO_x to ensure uninterrupted transmission data to CAC, TNPCB and calibrate the system periodically.
3. The unit shall comply with the emission standards for Thermal Power Plants as per MOEF&CC Notification S.O. 3305(E) dated: 07.12.2015, G.S.R. 593(E) dated: 28.06.2018 and as amended from time to time.
4. The unit shall ensure the compliance of MoEF& CC Notification G.S.R 02(E) dated 02.01.2014 as amended time to time regarding use of raw or blended or beneficiated/washed coal with ash content not exceeding 34%, as applicable.
5. The unit shall comply with the National Ambient Air Quality Standards issued vide MoEF, GoI Notification GSR826 (E) dated 16.11.2009.
6. The unit shall complete the installation of Flue Gas Desulphurisation (FSD) System based on Lime/Ammonia dosing to capture sulphur in the flue gases within the permitted time line as per CPCB direction to meet the SO₂ emission standard of 100 mg/Nm³.
7. The unit shall install De Nox control system in all three units within the permitted time line as per CPCB direction to comply with NO_x emission standard of 100 mg/Nm³.
8. The unit shall operate and maintain adequate dust extraction/suppression system in coal handling, ash handling areas and material transfer points to control fugitive emissions.
9. The unit shall operate and maintain the Dust Extraction system(DEs)/Dust Suppression system(DSs) at all the dust generating sources including sufficient water sprinkling arrangements at various locations viz., roads, excavation sites, crusher plants, transfer points, loading and unloading areas, etc.
10. The unit shall operate and maintain the Continuous Ambient Air Quality Monitoring System (CAAQMS) provided in 4 locations to monitor the parameters such as PM₁₀, PM_{2.5}, SO₂ & NO₂ and the same shall be connected to CAC, TNPCB, Chennai to ensure uninterrupted transmission data to CAC, TNPCB and calibrate the system periodically.
11. The unit shall continue to develop green belt to attain an area of 33% of the total area with indigenous native tree species and the green belt shall inter-alia cover an entire periphery of the premises.
12. The unit shall comply with the special and general conditions imposed by the MoEF, Government of India vide CRZ clearance dated.14.07.2009 under the CRZ Notification 1991 and vide Environmental Clearance dated.18.04.2007 (For 2x500 MW) & 03.06.2009 (For 1x500 MW) under the Environment Impact Assessment Notification 2006.
13. The unit shall comply with the orders of the Hon'ble High Court in W.P No. 30135 & 30237 of 2018.

R. Kannan

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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Chief Executive Officer,
M/s.NTPC TAMILNADU ENERGY COMPANY LIMITED,
NTPC Bhavan Core-7, SCOPE complex, 7 Institutional Area, Lodhi Road, New Delhi ,
Pin: 110003

Copy to:

- 1.The Commissioner, MEENJUR-Panchayat Union, Ponneri Taluk, Tiruvallur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.



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3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.

4. File

