

Category of the Industry :

RED



CONSENT ORDER NO. 2208243045418 DATED: 28/06/2022.

PROCEEDINGS NO.T4/TNPCB/F.0318GMP/RL/GMP/A/2022 DATED: 28/06/2022

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. Unit's application no. 43045418 DATED:02.02.2022.
2. IR.No : F.0318GMP/RL/JCEE-M/GMP/2022 dated 03/06/2022

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, 2027

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

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 Nm3/hr
1	Boiler 1725 T/hour - 2 NOS	ESP with stack	275	
2	Boiler 1725 T/hour - 1 NOS	ESP with stack	275	
3	DG Set 500 KVA - 2 NOS	ESP with stack	25	
4	DG Set 500 KVA - 2 NOS	ESP with stack	25	
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Coal handling Area	Fugitive	Dust Extraction and Suppression System	
2.	Fly Ash Silos - 3 Nos	Fugitive	Bag Filters and dry Fog Dust Suppression System	

Special Additional Conditions:

- i. 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.
- ii. The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

Additional Conditions:

1. The unit shall operate and maintain the existing APC measures /acoustic measures efficiently and continuously so as to adhere to the AAQ/SM/ANL standards prescribed by the Board.
2. The unit shall ensure that the fly ash is completely collected in dry form and disposed 100% for beneficial use in cement industries and hollow block brick manufacturing industries, without any accumulation within the unit premises.
3. The unit shall handle the ash from ash dyke with utmost care and ensure that there shall not be any spillages of ash around the ash dyke area.
4. 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.
5. The unit shall comply with the emission standards for Thermal Power Plants as per Ministry's 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.
6. 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.
7. The unit shall comply with the MoEF& CC Notifications on Fly Ash Utilization S.O, 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 and 31.12.2021 as amended from time to time.
8. The unit shall comply with the special and general conditions imposed by the MoEF&CC, 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.
9. The unit shall comply with the National Ambient Air Quality Standards issued vide MoEF, GoI Notification GSR826 (E) dated 16.11.2009.
10. The unit shall comply with the orders of the Hon'ble High Court in W.P No. 30135 & 30237 of 2018.
11. The unit shall comply with the orders of the Hon'ble NGT(SZ) in O.A No256/2020 if any issued from time to time.
12. The unit shall comply with the National Ambient Air Quality Standards issued vide MoEF, GoI Notification GSR826 (E) dated 16.11.2009.
13. The unit shall install Flue Gas Desulphurisation (FGD) System based on Lime/Ammonia dosing to capture Sulphur in the flue gases to meet the SO₂ emissions standard of 100 mg/Nm³.
14. The unit shall install Selective Catalytic Reduction (SCR) system or the Selective Non-Catalytic Reduction (SNCR) system or Low NO_x Burners with Over Fire Air (OFA) system to achieve NO_x emission standard of 100 mg/Nm³ within the permitted time line for all three units.
15. 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.
16. 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.
17. The unit shall properly 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.
18. 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 unit.
19. The unit shall not go for expansion or enhanced production without valid consent of the Board.
20. The unit shall not go for expansion or enhanced production without valid consent of the Board.

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