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TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 4158

DATED : 02/11/2007

Proceedings No. : TB/TNPCB/F31481/TLR/W/2007

DATED : 02/11/2007

Consent for Establishment under Section 25 of the WATER (Prevention and control of Pollution) Act, 1974, as amended in 1988.

Sub : TNPC Board - Consent for establishment  
MESSERS NTPC TAMILNADU ENERGY COMPANY LTD.,  
SF NO.1556, VALLUR VILLAGE,  
PONNERI TALUK,  
THIRUVALLUR DISTRICT

for the establishment or take steps to establish the industry under Section 25 of the WATER (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 53 of 1988).

- Ref : 1.YOUR APPLICATION NO.8551 RECEIVED ON 18.7.07 / 10.9.07  
2.DEE IR NO.DEE/TNPCB/TVLR/F.RL178/2007 DT.12.10.07  
3.MOEF LR.NO.J13011/33/2006-IA II(T) DT.18.4.07

Board Resolution No :

~~DATED :~~ / /

Consent to establish or take steps to establish is hereby granted under Section 25 of the WATER (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to THE CHIEF ENGINEER / PROJECTS;  
M/S.NTPC - TAMILNADU ENERGY COMPANY LTD.,  
(hereinafter referred to as 'The Applicant') authorising him/her/them to establish or take steps to establish the industry in the site mentioned below;  
SF NO.1556, VALLUR VILLAGE,  
PONNERI TALUK,  
THIRUVALLUR DISTRICT

This Consent to establish is valid for TWO years, or till the Industry obtains consent to operate under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 whichever is earlier.

*Pravin*  
Chairman  
For MEMBER SECRETARY  
TAMIL NADU POLLUTION CONTROL BOARD  
CHENNAI

*27/11/07*

# POLLUTION CONTROL BOARD

ANNEXURE-B

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To

THE CHIEF ENGINEER / PROJECTS,  
M/S. NTPC - TAMILNADU ENERGY COMPANY LTD.,  
TNEB,  
800, ANNA SALAI, CHENNAI-2

Copy to : The District Environmental Engineer, Tamil Nadu Pollution Control Board  
THIRUVALLUR

For information and necessary action,

Copy to : The Joint Chief Environmental Engineer, TNPCB,

Copy to : The Commissioner /-Executive Officer,

MINJUR PANCHAYAT UNION, THIRUVALLUR DISTRICT

Spare :

## SPECIAL CONDITIONS

## 1. Details of the products manufactured

SL.NO.	DESCRIPTION	QUANTITY/MONTH
(1)	(2)	(3)
1.	ELECTRICITY	2 X 500 MW

This consent to establish is valid for the manufacture of products and the rate of production mentioned above. Any change in rate of and the quantity or quality of the products has to be brought to the notice of the Board.

2. The unit shall install Effluent Treatment Plant as proposed, to ensure that the effluents to be discharged shall satisfy the standards prescribed by the Board for disposal of effluents into inland surface waters/public sewers/marine coastal areas/on land for irrigation, as indicated in the Annexure-I.

3. The unit shall install sewage treatment systems for the treatment of waste water arising out of the sanitary facility and waste water generated from canteen as proposed ~~in the Annexure-I~~.

4. The unit shall construct effluent drains/cable drains/storm water drains separately and provide different colour, sign boards along with alignment of various drains as indicated in the site plan, furnished by the industry.

5. Each vessel/reactor should have its own catch pit for the collection of spills and each pump in the process section must be mounted on its own catch pit with the suction line of the pump connected to pit to empty it periodically/regularly/continuously.

# ON CONTROL BOARD

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6. It has to be ensured by the unit that the floors with the expanded metal, slotted angle stool sinks, steel grates shall be built to the maximum possible to avoid floor washings.

7. If the plant layout demands that the vessels should be installed in upper floor, it shall provide suitable system to minimise spill/leakages and also to collect and drain the spillages into effluent drain leading to the Effluent Treatment Plant by providing suitable gradient to the properly lined bottom floor.

8. The unit shall construct tank or lagoon of adequate capacity with compatible impervious material for the storage of hazardous/solid wastes.

9. The unit shall ensure that the corrosion prone areas and construction material liable to atmospheric and process induced corrosion shall be given special attention for immediate replacement with least preventive maintenance.

10. The unit has to provide facilities separately outside the main production plant for carrying out detoxification operations if any.

11. In order to collect spills from a particular vessel before the spilled materials get a chance for contamination with spills from another vessel, the two vessels must be installed at sufficient distance to ensure that intercontamination cannot take place.

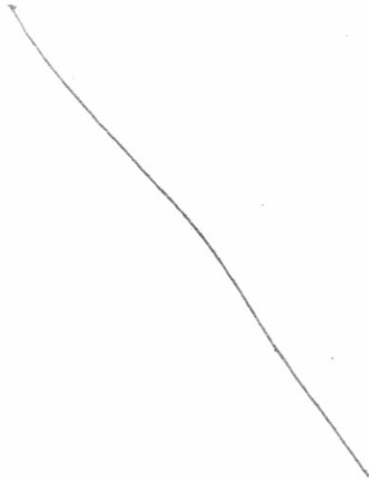
12. Flange joints in the pipelines should be avoided wherever possible.

13. The unit shall establish laboratory with adequate analytical equipments for analysing the trade effluent/sewage as well as samples of water collected from the wells nearby if any.

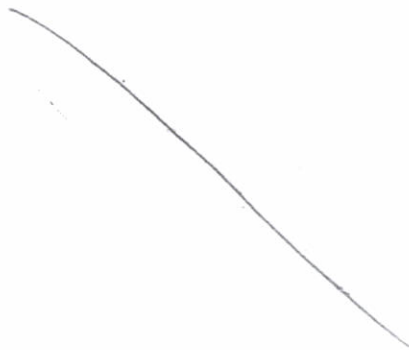
14. The unit shall construct compound wall around the boundary of the unit, to a height of THREE metres from ground level.

15. The unit shall appoint an Environmental Engineer with experience of minimum three years in maintenance of waste water treatment plants, before commissioning, along with supporting staff, chemist, technician and operators.

16. Following location specific conditions must be satisfied :



17. The following process specific conditions must be satisfied :



(Continued in Annexure-I)

*[Handwritten signature]*  
7/11/19

For MEMBER SECRETARY  
TAMIL NADU POLLUTION CONTROL BOARD  
CHENNAI

*[Handwritten signature]*  
7/11/19



# POLLUTION CONTROL BOARD

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## GENERAL CONDITIONS

1. The above consent to establish cannot be construed as consent to operate.
2. The industry shall make a request for grant of consent to operate atleast sixty days before the commissioning of trial production.
3. The applicant shall maintain good house keeping both within the factory and in the premises. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted in to the effluent collection system only and shall not be allowed to find their way to storm water drains or open areas.
4. The unit has to provide sludge and silt traps and manholes along the effluent drains for periodical desilting and desludging operation.
5. All places of storage of solid/liquid material are to be dyked with bunding facilities and the flooring within the dyked and bunding area shall be lined with impervious materials depending upon the nature of the solid/liquid to be stored.
6. As the unit proposes to utilise the treated trade effluent on inland for irrigation, the land has to be made fit for irrigation in consultation with the agricultural scientist to avoid more percolation.
7. Samples of water from the wells or any other nearby water sources have to be taken by the unit and get them analysed by the Board Laboratory to develop base line data to assess the existing water quality.
8. The unit shall provide separate power connection for the Effluent Treatment Plant and install separate energy meter for the Effluent Treatment Plant as well as for aerators if any.
9. The unit shall provide an alternate power source sufficient to operate all the facilities to be installed in Effluent Treatment Plant by the applicant.
10. The consent does not authorise or approve the construction of any physical structures or facilities, or the undertaking of any work in any natural water course.
11. Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
12. The unit has to comply with the provisions of Public Liability Insurance Act, 1971 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. Consent to operate will not be issued unless the unit complied with the conditions of consent to establish, otherwise, the order of consent to establish already issued will be revoked with immediate effect.

*R. S. Srinivasan*  
21/1/07  
Chairman  
For MEMBER SECRETARY

TAMIL NADU POLLUTION CONTROL BOARD  
CHENNAI.

*R. S. Srinivasan*