

**FORM 5**  
[See rule 8(1) ]

**FORM OF APPLICATION FOR GRANT/RENEWAL OF REGISTRATION OF INDUSTRIAL UNITS POSSESSING ENVIRONMENTALLY SOUND MANAGEMENT FACILITIES FOR REPROCESSING/RECYCLING**

{To be submitted to the Central Pollution Control Board in triplicate by the Reprocessor / Recycler}

1	Name and Address of the unit :	<b>NTPC Tamilnadu Energy Company Limited</b>		
2	Name of the occupier or owner of the unit with designation, Tel / Fax:	<b>Debasis Sarkar, CEO, NTECL, Vallur Thermal Power Project, Tel: 9650999558</b>		
3	Date of commissioning of the unit :	<b>Unit 1: 29.11.2012, Unit 2: 25.08.2013, Unit 3: 26.02.2015</b>		
4.	No. of workers ( including contract labourers ) :	<b>3000</b>		
5	Consent Validity	a) Water (Prevention & Control of Pollution) Act, 1974 valid up to <b>31.3.2018</b> b) Air (Prevention & Control of Pollution) Act, 1981 valid up to <b>31.3.2018</b> NTECL's Consent renewal application for 2018-19 (No 12404647) is in process at TNPCB. Consent renewal fee is paid upto 2018-19.		
6.	Product Manufactured during the last three years (Tonnes / Year )	Year	Name of the Product	Quantity in Metric Tonnes or KL
		<b>2015-16</b>	<b>ELECTRIC POWER</b>	<b>7711.80 MU</b>
		<b>2016-17</b>		<b>9210.85 MU</b>
		<b>2017-18</b>		<b>7167.74 MU</b>
7.	Raw material consumption during last three years (Tonnes/ year)	Year	Name of the Raw Material consumed	Quantity in Metric Tonnes or KL
		<b>2015-16</b>	<b>COAL</b>	<b>5158529 MT</b>
		<b>2016-17</b>		<b>6196249 MT</b>
		<b>2017-18</b>		<b>5220796 MT</b>
8.	Manufacturing Process	Please attach manufacturing process flow diagram for each product (s) <b>Attached</b>		
9.	Water Consumption	Industrial <b>1,88,000 m<sup>3</sup>/ day</b> Domestic <b>29,605 m<sup>3</sup>/day</b>		
10	Water Cess paid up to (date)	<b>30.06.2017 (Demand is not received from July 2017)</b>		
11	Waste water generation as per consent... <b>243000</b> .....m <sup>3</sup> /day	Industrial/Domestic Actual... <b>90,285 m<sup>3</sup>/day</b> (avg. of last 3 months)		
12	Waste water treatment (provide flow diagram of the treatment scheme )	Industrial <b>Attached</b> Domestic <b>Attached</b>		
13	Waste water discharge	Quantity <b>90,285 m<sup>3</sup>/day</b> (avg. of last 3 months) Location <b>Marine Coastal Area</b> Analysis of treated waste water for parameters such as pH, BOD, COD, SS, O&G and any other as stipulated by the SPCB/PCC ( <b>Attached</b> )		

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14.	Air Pollution Control				
	a. Flow diagram for emission control system (s) installed for each process unit, utilities etc.	<b>Attached</b>			
	b. Details of facilities provided control of fugitive emission due to material handling, process, utilities etc.	<b>Dust Suppression, Dust Extraction</b>			
	c. Fuel consumption	Name of fuel	Quantity per Day/Month :		
	<b>a) Coal</b>	<b>4,35,066 Tonnes/Month</b>			
	d. Stack emission monitoring results	Stack attached to:	Emissions (for SPM, SO <sub>2</sub> , NO <sub>x</sub> and Metals (like Pb etc.) in particulates in mg/Nm <sup>3</sup> )		
		<b>Attached</b>			
	e. Ambient air quality	Ambient air quality location:	Parameters (SPM, SO <sub>2</sub> , NO <sub>x</sub> , Pb, any other ) in µg/ m <sup>3</sup>		
		<b>Attached</b>			
15.	Hazardous waste management :				
	a. Waste generation :	Sl. No.	Name	Category	Quantity ( last 3 years)
		<b>1</b>	<b>Spent Oil</b>	<b>Recyclable</b>	<b>39470 Litres</b>
	b. Details on collection , treatment and transport :	<b>Recovery and reuse by CPCB registered facility</b>			
	c. Disposal	<b>Selling to CPCB registered facility</b>			
	(i) Please attach Details of the disposal facilities	<b>Not Applicable</b>			
	(ii) Please attach analysis report of characterisation of hazardous waste generated (including leachate test if applicable)	<b>Not Applicable</b>			
16.	Details of hazardous wastes proposed to be acquired through sale/negotiation/ contract or import as the case may be for use as raw material.	<ol style="list-style-type: none"> <li>Name <b>Nil</b></li> <li>Quantity required per year</li> <li>Waste listing &amp; No. in Annex VIII (List A)/ Annex IX (List B) of Basel Convention (BC)</li> <li>Hazard Characteristic as per Annex III of BC</li> </ol>			
17	Occupational safety and Health aspects	<ol style="list-style-type: none"> <li>Acoustic enclosures are provided for Turbo-generators and DG sets to reduce noise level.</li> <li>Ear plugs and ear muffs are issued to people working in noise prone areas.</li> <li>Medical examination is done for employees ans well as contract workers working in hazardous area.</li> </ol>			



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		<p>4. Water sprays and dry fog dust suppression system is used in coal conveyors to reduce dust</p> <p>5. Water monitors are provided at coal stack yard and water is regularly sprayed on coal stacks.</p>
18	Remarks	<b>Unit 1 was commissioned in Nov 2012, Unit 2 in Aug 2013 and Unit 3 in Feb 2015. Wherever last three year data is asked, figures are based on the years 2015-16, 2016-17 and 2017-18. Otherwise figures are based on the year 2017-18.</b>
	(i) whether industry has provided adequate pollution control system/ equipment to meet the standards of emission/effluent.	<b>Yes</b>
	(ii) whether HW collection and Treatment , Storage and Disposal Facility (TSDF) are operating satisfactorily.	<b>Yes</b>
	(iii) Whether conditions exists or likely to exists of the hazardous waste being handled /processed of posing immediate or delayed adverse impacts on the Environment.	<b>Yes</b>
	(iv) Whether conditions exists or is likely to exists of the wastes being handled / processed by any means capable of yielding another material eg , leachate which may possess eco-toxicity.	<b>Yes</b>
19	Any other Information	
20	List of enclosures as per rule	<ol style="list-style-type: none"> <li><b>1. Flow Diagram – Production</b></li> <li><b>2. Flow Diagram – Waste Water Treatment</b></li> <li><b>3. Effluent Analysis Report</b></li> <li><b>4. Flow Diagram – Emission Control</b></li> <li><b>5. Stack Monitoring Report</b></li> <li><b>6. Ambient Air Quality Report</b></li> </ol>

Signature :   
 Designation : Additional General Manager (EMG)

**Date: 25.04.2018**  
**Place: NTECL Vallur**