

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent No: Format 1.0/ BO/CAC-Cell/EIC No:-TN-5575-15/CAC/CC- 9338
Date- 22 /07/2016

To,
M/s. Tata Power Company Limited,
Trombay Thermal Power Station,
Mahul Road, Chembur,
Mumbai (Maharashtra) - 400 074

Subject: Renewal of Consent to Operate with increase in capital investment
under RED category.

Ref: 1.Earlier Consent granted vide no. Consent No.B0/JD(APC)/EIC No.MU-2855
11- CAC-233 dtd 03.02.2012
2. Minutes of CAC meeting held on 08.07.2016

Your application: CR1603000730
Dated: 12.05.2016

For: Renewal of Consent to Operate with increase in capital investment
under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under
Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and
Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 as
amended in 2016 is considered and the consent is hereby granted subject to the
following terms and conditions and as detailed in the schedule I, II ,III & IV
annexed to this order:

1. The consent is granted for a period from 01.08.2016 to 31.08.2021.
2. The actual capital investment of the industry is Rs.4036.57/- Crs. (As per C. A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr.No.	Product Name	Quantity
1.	Electricity Generation	Unit 4=150 MW (Oil+Gas) Unit 5=500 MW (Coal+Oil+Gas) Unit 6=500 MW (Oil+Gas) Unit 7=180 MW (Gas) [120 Gas Turbine +80 Steam Turbine] Unit 8= 250 MW (Coal) [Total Generation 34.32 million units per day excluding generation from unit 4]
2.	Operation of captive berthing jetty for handling of thermal coal (required for power generation)	24,00,000 MT/Year

Note: Unit 4 shall be operated only with prior permission from Environment Department Government of Maharashtra. In such case maximum power allowed to generate from unit 4 is 3.6 Million units per day without increase in existing pollution load from the entire power station.

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent			
i.	Condenser Cooling	48,69,600	As per Schedule -I	Recycle & Sea
ii.	D.M Plant	2,760		Recycle & Sea
iii.	Bottom Ash Water + FGD Water	1,84,800		Recycle & Sea
iv.	Boiler Blow Down	1,000		Recycle & Sea
2.	Domestic effluent	275	As per Schedule -I	On land for gardening /Spraying on coal/ Disposal to sea

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Unit # 5	01	As per Schedule -II
2.	Unit # 6	01	
3.	Unit # 7 (GT+HRSG)	02	
4.	Unit # 8	01	

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Coal rejects	20 MT/D	--	To be recycled Internally or sold to external agency for reuse.
2	Fly Ash	666 MT/D	--	As per fly ash notification, Gol.
3	Bottom Ash	100 MT/D	--	Use for brick manufacturing/land filling/Quarry filling as per NOC granted
4	E-waste	50 MT/A	--	Sale to authorized E-waste recycler / dismantler.
5	Metallic waste	As and when generated	--	Recycle/Sale.
6	Rubber/Wood	As and when generated	--	Recycle/Sale.
7	Maintenance and construction waste, debris, asbestos sheets, glass wool etc.	As and when generated	--	MCGM authorized site.

- a. Fly ash shall be collected and evacuated in dry form. Fly ash collected below ESP Hooper shall not be dumped in ash pond. Storage/dumping of fly ash in ash pond is allowed only in case of emergencies when disposal of fly ash in dry form is not possible.
- b. ESP hooper area shall be enclosed from three sides to avoid fugitive emission during evacuation/dumping of fly ash from ESP hoopers and only one sides shall be kept open for access.
- c. Bottom ash shall be collected/stored in wet form in ash pond. Ash pond shall be evacuated once in six month. Only MPCB authorised contractor is be allow to evacuate bottom ash with condition of renewal of authorisation of contractor every year. Half yearly report about quantity and quality of bottom ash and location of land filling site shall be submitted to MPC board, Report shall be submitted before 30th October and 30th April.
- d. Industry shall submit annual report of fly ash disposal as per fly ash notification to MoEF/MPCB/CPCB on or before 30th April for every financial year.

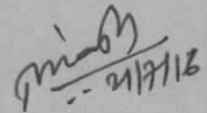
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr.No	Type of Waste	Category	Quantity	UoM	Treatment	Disposal
1	Used oil/Spent oil	5.1	55	MT/A	--	Sale to SPCB/CPCB authorized re-refiner/re-processor
2	Waste residue containing oil	5.2	10	MT/A	--	Sale to SPCB/CPCB Authorized re-refiner/re-processor
3	Spent ion exchange resin containing toxic metals.	34.2	25	MT/A	--	Disposal to authorized common hazardous waste facility.
4	Sludge and filters Contaminated with oil.	3.3	100	MT/A	--	Disposal to authorized common hazardous waste facility.
5	Discarded containers/barrels/line rs/contaminated with hazardous waste/chemicals	33.3	10	MT/A	--	Sale to SPCB/CPCB authorized re-refiner/re-processor

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. Industry shall promote adoption of clean coal (with ash content less than 34%) and clean power generation technologies and comply with the notification issued by MoEF for utilization of fly ash from coal or lignite based thermal power plants dated 14th September, 1999 and as amended on 3rd November, 2009.
10. The applicant shall comply with the recommendations of the task force for implementation of CREP recommendations for Thermal Power Plants & amendment dtd 02nd January 2014.
11. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
12. **General Conditions;**
 - a. Industry shall comply MOEF Notification dated 02.01.2014 by supplied with and shall use, raw or blended or beneficiated coal with ash content not exceeding 34% on quarterly average basis.
 - b. Industry shall comply MOEF office memorandum dated 26.08.2015 by protocol for sampling, analysis of coal and reporting of compliance in respect of implementation of the Gazette Notification on use & supply of raw or blended or beneficiated coal with ash content not exceeding 34% on quarterly average basis.

- c. Industry shall comply MOEF Notification dated 07.12.2015 with respect to standards stipulated in the Notification as per the time schedule.
- d. Industry shall comply with the fly ash Notification dated 03.11.2009.
13. Unit 4 shall be not be operated without taking prior permission from Environment Department, Government of Maharashtra.

For and on behalf of the
Maharashtra Pollution Control Board


(P. K. Mirashe)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	RTGS Ref.no.	Date	Drawn On
1	4,03,65,681/-	R52016032808646438	28.03.2016	HDFC Bank
2	18,22,600/-	R52016050909261374	09.05.2016	HDFC Bank
3	6,75,777/-	R52016071810258376	18.07.2016	HDFC Bank

Copy to:

1. Regional Officer - Mumbai and Sub-Regional Officer-Mumbai-III, MPCB. They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity 4800 CMD.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

The industrial effluent arising from various sections of Power Plant shall be give such treatment either collective or individually as the site condition permits that the final quality of effluent shall have following character standards;

(a) Condenser Cooling Water

Sr No.	Parameters		Standards prescribed by Board (If any)
	I. Compulsory Parameters		Limiting Concentration in mg/l, except for pH
01	pH	Between	6.5 to 8.5
02	Temperature for Unit # 8	Not to exceed	7 °C (higher than intake sea water temperature)
03	Temperature for Unit # 4,5,6,7	Not to exceed	10 °C (higher than intake sea water temperature)
03	Total Residual chlorine	Not to exceed	1.0 mg/l

Note: Industry shall install and operate continuous monitoring system for measurement of temperature of condenser cooling water at exit of the property (Bund Outlet). In case failure of this continuous monitoring system industry shall measure temperature manually once during low tide and once in a high tide.

(b) Ash Pond Effluent :

Sr No.	Parameters		Standards prescribed by Board (If any)
	I. Compulsory Parameters		Limiting Concentration in mg/l, except for pH
01	pH	Between	6.5 to 9.0
02	Suspended Soilds	Not to exceed	100 mg/l
03	Oil & Grease	Not to exceed	10 mg/l

(c) Boiler Blow Down Effluent:

Sr No.	Parameters		Standards prescribed by Board (If any)
	I. Compulsory Parameters		Limiting Concentration in mg/l
01	Copper (Total)	Not to exceed	1 mg/l
02	Iron (Total)	Not to exceed	1 mg/l
03	Suspended Solids	Not to exceed	100 mg/l
04	Oil & Grease	Not to exceed	10 mg/l

(d) FGD Effluent:

Sr No.	Parameters		Standards prescribed by Board (If any)
	I. Compulsory Parameters		Limiting Concentration in mg/l, except for pH
01	pH	Between	6.5 to 8.5
02	DO		5 mg/l
03	Temperature	Not to exceed	7o C (higher than intake water temperature)
04	Suspended Solids (SS)	Not to exceed	10% (above intake sea water SS concentration)

(e) D.M Plant Effluent :

Sr No.	Parameters		Standards prescribed by Board (If any)
	I. Compulsory Parameters		Limiting Concentration in mg/l, except for pH
01	pH	Between	5.5 to 9.0
02	Oil & Grease	Not to exceed	10 mg/l
03	BOD (3 days 27°C)	Not to exceed	100 mg/l
04	Suspended Solids	Not to exceed	100 mg/l
05	COD	Not to exceed	250 mg/l

C] Industry shall provide arrangement to recycle treated effluent to maximum extent and rest shall be disposed off into sea (Thane Creek) through well designed outfall. Industry can make use of existing CW outfall channel for disposal of trade effluent so as to keep single discharge/outlet point for all the trade effluents, provided all types of trade effluents meet the quality parameters mentioned above. Provision for sample collection shall be made at individual source as well as at final discharge point.

Industry shall explore the possibility of implementing zero discharge as an attempt for conservation of fresh water.

Daily quantity of trade effluent from coal handling jetty shall be nil.

D] Industry shall monitor the quality of trade effluent regularly. Monitoring data of at least 1 day per week shall be submitted to MPC Board on monthly basis on or before 15th day of next month.

2) A] As per your consent application, you have provided the sewage treatment system with the design capacity of 300 CMD.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

(1)	Suspended Solids.	Not to exceed	50	mg/l.
(2)	BOD 3 days 27°C.	Not to exceed	30	mg/l.
(3)	COD.	Not to exceed	100	mg/l.

C] The treated effluent shall be disposed on land for irrigation to the maximum extent possible and remaining quantity shall be disposed of into sea (Thane Creek) through well designed outfall. Industry can make use of existing CW outfall channel for disposal of treated sewage provided it meets the quality parameters mentioned above. Provision for sample collection shall be made at outlet of STP.

D] Industry shall monitor the quality of treated sewage regularly. Monitoring data of at least 1 day per week shall be submitted to MPC Board on monthly basis on or before 15th day of next month

3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

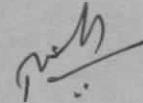
4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling	48,69,600
2.	Domestic purpose	300
3.	Boiler Make Up	3,650
4.	Industrial Processing (Bottom Ash+FGD)	1,84,800

Note: Consumption of water for condenser cooling, FGD & Bottom Ash disposal shall be calculated on the basis of pump capacity and pump running hours.

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act,1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- 7) Marine survey shall be carried out once in a month near coal berth for the environment parameters such as physical, chemical, physico-chemical, biological/bio-monitoring including heavy metals. Monthly monitoring results shall be submitted to MPC board on or before 15th day of next month.
- 8) Sea water quality analysis shall be carried out once in a month at following three locations.
- At 1000 m from coal jetty towards sea (South).
 - At 500 m on east of point a) above.
 - At 500 m on west of point a) above.
- Monthly monitoring results shall be submitted to MPC board on or before 15th day of next month.
- 9) Industry shall monitor sea water temperature once in a week at three locations identified by MPC board. Monitoring shall be done for non-monsoon period i.e. from October to May every year. Monthly reports of monitoring shall be submitted to MPC Board on or before 15th day of next month.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO ₂ TPD
1	Unit # 4	Low NOx	76.2	Coal, Oil, Gas	Coal: 8400 MT/D (3066000 MT/A), LSHS/LSWR: 3300 MT/D (1204500 MT/A), Gas: 2400 MT/D (876000 MT/A)	Not to exceed 24 TPD from the station includi ng Unit 4,5,6,7, 8
2	Unit # 5	ESP, FGD and Stack	152.4			
3	Unit # 6	Stack	275			
4	Unit # 7 GT	Low NOx	60			
5	Unit # 7 HRSG		60			
6	Unit # 8	ESP, FGD and Stack	220			

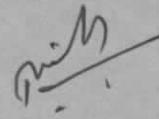
Coal used on unit 5 & unit 8 shall be low ash and low sulphur imported coal. in case of non-availability of coal or natural gas, LSHS/ LSWR can be used subject to condition that the total generation of electricity does not exceed 34.32 million unit per day and fuel mix shall be used in such a way that station SO₂ emission does not exceed 24 TPD.

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

1)	SPM/TPM (from each stack of unit 4, 5 & 6)	Not to exceed	150 mg/Nm ³
2)	SPM/TPM (from unit 8)	Not to exceed	100 mg/Nm ³
3)	NOx (From unit 7)	Not to exceed	150 PPM (v/v) at 15% excess oxygen

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6. Control Equipment's:
- a) Electrostatic Precipitator of sufficient capacity shall be provided to boiler using coal as fuel so as to meet the standards of SPM emission prescribed in the consent. ESP efficiency test shall be carried out once in a quarter and results of the efficiency test shall be submitted to MPC board before 15th day of July, October, January and April.
- b) Flue gas desulphurization (FGD) system shall be installed on coal based units and operated and maintained to ensure that total SO₂ emission from the station remains within the limit of

- 24 TPD. The industry shall also keep necessary provisions in the design to augment FGD to handle 100% of total flue gases, as a matter of precautionary principle.
- c) Low NO_x burners shall be installed on unit 7 and operated & maintained to meet prescribed emission norms for NO_x,
 - d) Continuous stack emission monitoring system shall be operated on unit no. 4, 5, 6 & 8 for measurement of sulphur dioxide (SO₂), suspended particulate matter (SPM) & oxides of nitrogen (NO_x). Continuous stack emission monitoring system shall be operated on unit no 7 for measurement of Oxides of Nitrogen (NO_x). In case non availability of online measurement device, monitoring shall be carried out as per CPCB guidelines for that day. Daily monitoring results of entire month shall be submitted to MPC board on or before 15th day of next month.
 - e) The coal handling system shall be covered with proper hooding and ventilation arrangement to suppress dust and automatic water sprinkler system shall be provided so as not to allow fugitive emissions during handling/transportation of coal. Water meters shall be installed on water lines used for coal dust suppression. Monthly records of the water used for coal dust suppression shall be maintained by coal handling plant.
 - f) Trucks if used for internal movement of coal shall be mechanically closed type. Open trucks shall not be used for internal coal movement. (other condition)
7. **Industry shall operate existing installed CAAQM stations on regular basis. Quarterly monitoring results of CAAQMS shall be submitted to MPC board on or before 15th day of July, October, January and April.**
 8. **All possible care shall be taken so that the natural environment including flora and fauna in the vicinity is not adversely affected due to transportation of coal.**
 9. **The coal jetty shall be provided with adequate capacity mechanized equipment's like screw unloaders for unloading of coal and closed pipe conveying system for transportation of coal to avoid fugitive emissions and operate and maintain them properly.**
 10. **Onshore facility for transit storage of coal near coal jetty shall be provided with adequate water sprinkling facility to avoid fugitive emission of particulate matter.**
 11. **Adequate water sprinkling facility shall be provided at coal jetty as well as at coal yard to control fugitive emission from the coal stock.**
 12. **Industry shall submit to board %Ash & %S in imported coal on monthly basis. Monthly reports shall be submitted to MPC board on or before 15th day of next month.**
 13. **Ambient Air Quality Monitoring shall be carried out on alternate day basis within the premises at minimum 6 locations as per revised national ambient air quality standards. Monitoring shall be done through MoEF approved and NABL recognized laboratory after consulting the concerned RO/SRO office. Locations of ambient air quality monitoring shall be approved from concerned RO/SRO MPC Board office annually. Monthly monitoring results shall be submitted to MPC board on or before 15th day of every month.**



Schedule-III
Details of Bank Guarantees

Proposed BG's

Sr. No.	BG Code	Amt of BG Imposed	Submissi on Period	Purpose of BG	Compliance Period	Validity Date
	PNC1			Handling and disposal of flyash		
1	PNC1a	5/- Lakhs	15 Days	To operate 100% dry fly ash collection and storage	Continuous	31.12.2021
2	PNC1b	1/- Lakh	15 Days	Towards utilization of fly ash as per fly ash notification 1999.	Continuous	31.08.2021
3	PNC1c	1/- Lakh	15 Days	Towards Mitigation of seepages from fly ash conveying system	Continuous	31.12.2018
4	PNC1d	1/- Lakh	15 Days	Towards Scientific operation of bottom ash pond i.e. uniform distribution of wet slurry in the pond so as to have minimum depth of water	Continuous	31.08.2021
5	PNC1e	5/- Lakhs	15 Days	Towards Scientific closure of abandoned ash pond with soil cover and plantation over it	Continuous	31.12.2018
6	PAO1	25/- Lakhs	15 Days	Towards Operation and Maintenance of Air Pollution Control Devices to achieve emission standards.	Contineous	31.08.2021
7	PWO1	5/- Lakhs	15 Days	Towards Operation & Maintenance of the Effluent Treatment Plant to achieve disposal standards.	Contineous	31.08.2021

Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 3) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 4) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent. The quarterly reports of the energy consumption shall be submitted to MPC Board on or before 15th day of July, October, January & April.
- 5) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 6) The industry shall send used oil to reprocess/re refiners authorized by MPCB & the Hazardous Waste to CHWTSDF as per the provision contain in the HW(MH&TM) Rules 2008.
- 7) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 10) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 11) **For D.G. Set**
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use

- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 12) The industry should not cause any nuisance in surrounding area.
- 13) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 14) The applicant shall maintain good housekeeping.
- 15) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 16) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 17) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 18) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 19) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 20) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 21) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 22) The industry shall comply with the notification issued by MoEF for utilization of fly ash from coal or lignite based thermal power plants dated 14th September, 1999 and as amended on 3rd November, 2009.
- 23) Industry shall provide dry fly ash handling & collection system and utilize the fly ash as per the fly ash notification of the Govt. of India
- 24) The applicant shall Operate online opacity meter/continuous monitoring system for process stack emission analysis & same shall be directly connected to MPCB website <http://mpcb.gov.in> as well as to the respective Regional Office within 3 months period and operate the same regularly.
- 25) The applicant shall Operate continuous automatic ambient air and micrometeorological monitoring station at location indicated by MPC Board to be set up and operate at its own cost for measurement of SO₂, NO_x and particulate matter. These CAAQMS shall also have necessary provision of networking to the Air Quality Monitoring network of MPCB.
- 26) The coal handling system shall be covered with proper hooding and ventilation arrangements connected to dust suppress agent so as not to allow any fugitive emissions.
- 27) If due to any technological improvements or otherwise this Board is of opinion that all or any of the conditions referred above require variation (including the change of any control equipment either in whole or in part), this Board shall after giving the applicant an opportunity of being heard very all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions so varied.

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