

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
 /4037124/4035273
 Fax : 24044532/4024068
 /4023516
 Email : enquiry@mpcb.gov.in
 Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
 Scheme Road No. 8, Opp. Cine Planet Cinema,
 Near Sion Circle, Sion (E),
 Mumbai - 400 022

Consent No: Format 1.0/ BO/CAC-Cell/EIC No:-TN-5590-15/CAC/CAC-4580
 Date: 22/04/2015

To,
 M/S JSW Steel Coated Products Ltd (CPP),
 Plot No B-7/1, MIDC, Tarapur Industrial Area ,
 Dist: Thane

Subject: Renewal of Consent with Increase in capital investment under RED category.

- Ref : 1. Earlier Consent granted vide no BO/JD (APC)/EIC-TN-3865-12/O/CAC-804 DATED 29/01/2013
 2. Minutes of CAC meeting held on 15.04.2015

Your application: CR1502000124
 Dated: 03/02/2015

For: Renewal of Consent 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 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:

- The consent is granted for a period up to 31/08/2017
- The actual capital investment of the industry is Rs.115.06Crs (As per CA certificate submitted by the industry).

3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/A
1	Captive Power Generation	30 MW/Day

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	475 CMD	As per Schedule -I	80% effluent Recycled & Reused back in process & remaining 20% reused for Dust suppression & Ash Quenching
2.	Domestic effluent	4.5 CMD	As per Schedule -I	On land for Gardening

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.	Boiler,	1	As per Schedule -II

[Handwritten Signature]

6. **Conditions about Non Hazardous Wastes:**

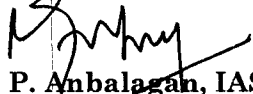
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Coal Ash	40 MTD		By sale to local bricks manufacturers

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
2	Used Oil/Spent oil	5.1	0.08	MTD		Authorized Recycler

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. The request of the industry for addl. Coal consumption than the consented quantity is not approved. The industry to obtain amendment in Environmental Clearance for addl. consumption of coal as the same will subsequently increase the SO₂ emission & fly ash generation as compared to existing consent & EC accorded to the industry.
10. The applicant shall install online stack emission monitoring systems for measurement of consented parameters by 30.06.2015 & to connect and upload the online emissions monitoring data at MPCB and CPCB server in time bound manner . Industry shall submit BG of 100 % of the cost of the online monitoring systems (emission) for ensuring timely installation of online monitoring systems by 30.06.2015. BG shall be discharged if industry installs the same. If the industry fails to install the same by 30.06.2015, the consent to operate will be withdrawn and the BG will be forfeited.
11. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	690807/-	683393	28/01/2015	State Bank of India
2	50100/-	683402	30/01/2015	State Bank of India

Copy to:

1. Regional Officer Thane, He is directed to release the existing BG's of Rs. 5/- Lakhs each & obtain new BG's as per Schedule-III
2. Sub-Regional Officer Tarapur-1 MPCB, They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. 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) & RO system with the design capacity of not mentioned.
- B) Out of the total treated effluent 80% effluent Recycled & Reused back in process & remaining 20% reused for Dust suppression & Ash quenching. Industry shall achieve zero discharge of effluent.
- 2) A] As per your consent application, you have provided the septic tank followed by soak pit & reed bed system.
- 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 | 100 | mg/l. |
| (2) | BOD 3 days 27oC. | Not to exceed | 100 | mg/l. |
- C] The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any shall be used on land for gardening.
- 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 installing water meters, 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, spraying in mine pits or boiler feed	2471
2.	Domestic purpose	5
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	
5	Gardening	

- 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.



Schedule-II

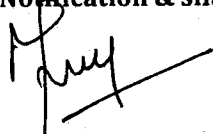
Terms & conditions for compliance of Air Pollution Control:

- As per your application, you have proposed to install/ provided the Air pollution control (APC) system and also proposed to erect / 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 & S % UoM	SO ₂ Kg/Day
1	Boiler (MR 14355) Fuel = Coal	ESP	80	Coal	400	0.5 - 1 4000

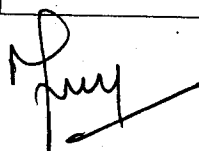
- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
- The applicant shall operate and maintain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

Particulate matter	Not to exceed	50mg/Nm ³ .
--------------------	---------------	------------------------
- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 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).
- The coal handling system shall be covered with the proper hooding and ventilation arrangement connected to dust suppress agent, so as not to allow any fugitive emissions.
- There shall not be any fugitive emissions.
- The firm shall provide continuous flow meters for measurement of the flow of the Air.
- The applicant shall close down or de-rate the plant if concentration of emissions is found to be exceeding the prescribed limit.
- The industry should not cause any nuisance in surrounding area.
- The industry shall submit the daily monitoring results of stack air & ambient air monitoring of first week of every month to the respective Su Regional & Regional Office with copy to Head Office.
- All the time industry shall make use of Coal containing Ash percentage below 34%.
- The industry shall dispose maximum quantity of Ash through the companies having contract with TPS.
- The industry shall comply with Fly Ash Notification & shall achieve 100% utilization.



**Schedule-III
Details of Bank Guarantees**

Sr. No.	Consent	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs. 25/- Lakhs	15 Days	Towards operation & Maintenance of air pollution control devices to achieve emission standards.	31.08.2017	31.12.2017
2	C to R	Rs. 5/- Lakhs	15 Days	Towards operation & Maintenance of the effluent treatment plant to achieve disposal standards	31.08.2017	31.12.2017
3	C to R	100% 100 % of the cost of the online monitoring systems		The applicant shall install online stack emission monitoring systems for measurement of consented parameters by 30.06.2015 & to connect and upload the online emissions monitoring data at MPCB and CPCB server in time bound manner . Industry shall submit BG of 100 % of the cost of the online monitoring systems (emission) for ensuring timely installation of online monitoring systems by 30.06.2015. BG shall be discharged if industry installs the same. If the industry fails to install the same by 30.06.2015, the consent to operate will be withdrawn and the BG will be forfeited.	30.06.2015	31.12.2017



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) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should sent CHWTSDF facility for disposal.
- 8) 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 Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 11) 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).
- 12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.

- 16) Conditions 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
- 17) The industry should not cause any nuisance in surrounding area.
- 18) 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.
- 19) The applicant shall maintain good housekeeping.
- 20) 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.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) 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).
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 27) 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.
- 28) 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
- 29) Transportation of coal & fly ash shall be by closed system, Conveyor system wherever possible. Fly ash shall be by transported through bunker having closed system, coal

carrying, conveyor belt shall be covered from all sides with provision of water sprinkling/spraying system properly.

- 30) They should promote/adoption of clean coal clean power generation technology.

-----0000-----

A handwritten signature in black ink, appearing to be 'H. J. Singh', is written above a horizontal line.