


MAHARASHTRA POLLUTION CONTROL BOARD

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E-mail: mpcb@vsnl.net		Mumbai-400 022.

RED/LSI

Consent No: BO/JD (APC)/EIC No. RD-2766-14-E-CC-10415 Date: 22/11 /2016

To,
M/s. Reliance Industries Ltd
Gut No-2,3,4,8,16, H.No-1,
Vill-Borivali, Next to MIDC, Patalganga
Tal- Khalapur Dist-Raigad

Subject: Consent to Establish RED category.

Ref: 1. Minutes of CC meeting held on 20/7/2016.

Your application Dated: 21/5/2014.

For: Consent to Establish under Section 25 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 other Wastes (M, & T M) Rules 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 & V annexed to this order:

1. The consent is granted for a period up to Commissioning of the unit or five years whichever is earlier.
2. The actual capital investment of the industry is Rs. 40.0 Cr. (As per 100/- Rs. Stamp paper undertaking submitted by industry).
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
1	Storage Yard of Coal	15000 MT/M
2	lime stone & fly ash & transfer by Conveyor	300 MT/M

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:
The authority shall provide adequate waste water treatment and disposal facility for treatment of effluent generated from their activity. They shall comply with the provision under the Water (P & CP) Act 1974

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Dust Sprinkling	5.0	As per Schedule -I	Dust Sprinkling
2.	Domestic effluent	1.0	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.			

6. Conditions about Non Hazardous Wastes:

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal

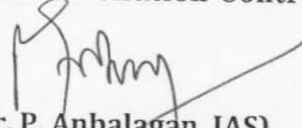
- Industry shall provide dry fly ash handling & collection system and utilize the fly ash as per the fly ash notification of the Government of India.
- Transportation of coal & fly ash shall be by closed system, conveyor system wherever possible.

7. Conditions under Hazardous & other Waste(M, H & T M) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal

- This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.

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	75,000/-	000359	30.4.2015	HDFC Bank

Copy to:

- Regional Officer -Raigad and Sub-Regional Officer-Raigad-1, they are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Mumbai.
- CC/CAC desk- for record & website updating purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

Industrial effluent -Nil

A] As per consent application you have provided Septic Tank & Soak Pit with the design capacity of 2.0 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 | 100 | mg/l. |
| (2) | BOD 3 days 27oC. | Not to exceed | 100 | mg/l. |

C] The treated sewage effluent shall be disposed on local body/Gardening purpose.

The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works 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.

- 1) 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.
- 2) 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	
2.	Domestic purpose	2.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.0
5	Agriculture/gardening	5.0

- 3) 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



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have 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	S %	SO ₂ TPD
1							--

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:

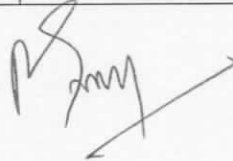
SPM/RSPM	Not to exceed	250 ug/m ³ .
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an 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).

Schedule-III

Details of Bank Guarantees

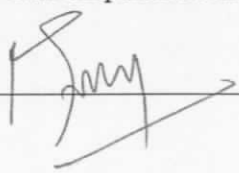
Sr. No.	Consent	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
		N.A.				



Schedule-IV

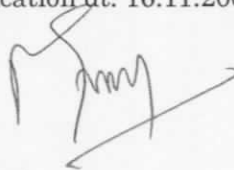
General Conditions:

- 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 go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 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 Hazarsous 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) 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.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) 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.



15) 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
- 16) The industry should not cause any nuisance in surrounding area.
- 17) 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.
- 18) The applicant shall maintain good housekeeping.
- 19) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 20) 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.
- 21) 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.
- 22) 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.
- 23) 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).
- 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.



Special Conditions:

26. Project Proponent shall comply the guidelines issued by the Board dated 04.9.2015 for cover stock yard [Above Area of 1000 Sq.mtrs or 100 MT capacity of the coal metals, Minerals]&Railway siding regime.

(A) All the stock yards for storage of coal, metals and minerals having area more than 1000 sq. mtrs and capacity of more than 100 MT of storage of coal, metal, minerals, at any given point of time.

B) Railway siding, handling of coal and other mineral.

Condition stated in A & B shall be covered under consent regime of MPCB.

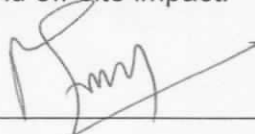
1. The other stock yards for storage of coal, metals & minerals having area upto 1000 sq.mtrs and storage upto 100 MT at any given point of time shall be covered by the revenue authorities.
2. The captive stock yards inside industrial premises shall be covered under consent granted to industry for main activity.
3. Existing railways sidings not adhering to the guidelines shall be shifted within two years period as per these siting criteria.

A. Compliance with respect to Water pollution aspects:

The authority shall provide adequate Waste Water treatment and disposal facility for treatment of effluent generated from their activity. They shall comply with the provisions under the Water (P & CP) Act 1974.

B. Compliance with respect to Air pollution aspects:

1. The authority shall provide adequate air pollution control arrangement at the source. They shall comply with the provisions under the Air (P & CP) Act 1981.
2. The coal depots/ railway siding and minerals stock yards shall comply strictly MoEF Notification of National Ambient Air Quality Standards dated: 18/11/2009.
3. Ambient Air Quality Monitoring Stations (manual) shall be installed for monitoring air quality in consultation with MPCB. The number of Ambient Air Quality Monitoring Stations will be dependent on area and quantity.
4. All entry point, internal roads and loading/unloading areas must be made road worthy for movement of heavy vehicles by using low permeability material (e.g. concrete or bitumen) and be cleaned regularly to minimize potential for dust generation and off-site impact.



5. The wind breaking wall shall be provided to material handling area.
6. Continuous sprinkling of water on roads and use of fogger spray at all locations of storage and handling to ensure minimum emissions.
7. Industry /Authority shall carry out regular monitoring of ambient air quality and water quality of the nearby water bodies through MoEF approved agency and submit the report on monthly basis to MPCB.

C. Compliance with respect to Hazardous Waste aspects:

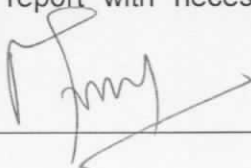
The authority shall not handle hazardous waste material at railway siding and minerals stock yards, coal stock yards.

D. Compliance with respect to Non Hazardous Waste aspects:

1. Material handling and storage capacity shall be specified.
2. Storage shall be done in well demarcated compartmentalized areas and not in haphazard manner.
3. The authority shall provide proper material storage facility .i.e. silo etc and material shall be handled in piped conveyor system

E. Standard conditions:


1. Adequate tree plantation shall be undertaken to minimize impact of air emissions.
2. To carry out meteorological study specifically wind directions and accordingly prepare plan to control of fugitive emissions / dust particles and suppression system.
3. A boundary wall of at least 3-meter height shall be constructed along the periphery of the mineral stock yard to prevent the fine particles from being carried away with surface run off to nearby water bodies.
4. The height of material within storage areas must be kept below the height of the boundary wall at all times to prevent the material getting air borne.
5. Storm water drain and proper flooring shall be provided.
6. Closed transportation system for Metals, Minerals, Coal etc. shall be used in the premises.
7. At unloading site no discharge of excess water containing oil and particulates etc be allowed in nearby water bodies.
8. MPCB shall collect ambient air samples as per the sampling protocol for RSPM parameter at two nearby residential locations and submit detail report with necessary recommendations and suggestion.



9. Authority shall give undertaking to develop mechanized closed coal handling terminal by adopting environmental sound management system with time bound manner.

10. Industry / Authority shall submit concrete proposal in respect of Implementation of the above suggestions for grant of consent.

26) If the industry / authority fails to comply with the above standard guidelines, the MPC Board may initiate action as per provision under pollution control related acts

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Maharashtra Pollution Control Board