

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/L.S.I (R39)
No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000214036/CO/2409001329

Date: 23/09/2024

To,
M/s. Mumbai Metro Rail Corporation Limited,
Metro Line-3 Car Shed Maintenance Depot
and Workshop Activity,
CTS NO. 9(pt), 10(pt), 11(pt), 12(pt) and 13(pt),
Village -Parjapur, Andheri, Mumbai Suburban, Mumbai



Sub: Grant of 1st consent to operate for Metro Line-3 Car Shed Maintenance Depot and Workshop Activity under RED category

Ref: 1. Board's previous granted Revalidation of consent to establish vide No. -
Format1.0/CAC/UAN No.0000165329/CE/2308001417 dtd. 22/08/2023
2. Minutes of CAC meeting dtd. 03.09.2024

Your application No.MPCB-CONSENT-0000214036 Dated 26.06.2024

For: Grant of 1st Consent to Operate 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 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) 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 annexed to this order:

- The consent to operate is granted for a period up to 31/07/2025**
- The capital investment of the project is Rs.552.8 Crs. (As per C.A Certificate submitted by industry)**
- Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Metro Line -3 Car shed maintenance depot and workshop activities	0	--NA--

(Total Plot Area- 3,00,000 Sq. Mtrs & BUA- 25,550.0 Sq. Mtrs.)

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	48.0	As per Schedule-I	80% treated effluent shall be recycled for secondary purposes such as washing purposes, toilet flushing, Air conditioning, Cooling tower makeup, firefighting, etc. and remaining shall be used for gardening.
2.	Domestic effluent	38.3	As per Schedule-I	Treated sewage shall be utilized for gardening/lanscaping on own 5 H. green belt area within the Depot area

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

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1 to S-2	DG sets of capacity 1000 KVA & 630 KVA	2	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	STP Sludge	25	Kg/Day	NA	Used as a manure
2	Scrap	2	Ton/Y	NA	Sale to Authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	100	Ltr/A	Recycle	Sale to authorised party
2	35.3 Chemical sludge from waste water treatment	31	Kg/Day	Landfill	CHWTSDF

8. This Board reserves the right to review, amend, suspend, revoke etc. This consent and the same shall be binding on the industry.
9. This consent should not be construed as an exemption from obtaining necessary NOC/permission from any other Government agencies.
10. PP shall submit all statutory submissions strictly through the online portal dashboard to this office as Rules.
11. PP shall comply with the Hon'ble National Green Tribunal Order issued from time to time in O.A. No. 141/2014.
12. PP should take adequate measures to comply with the provision of Solid Waste Management Rules, 2016 .
13. PP shall assess the quantity of plastic waste generated and shall comply with the provision of plastic waste management (Amendment) rules 2018, and further amendments after that.

14. PP shall install an adequate number of plastic bottle-crushing machines covering the entire area of the station & shall be linked /connected with registered recyclers of plastic waste for scientific disposal .
15. This consent is issued based on the letter of Scientist 'D'/Joint Director (IA) vide letter F.No. 19-130/2015-IA III dtd.20.11.2015 regarding the Metro Rail Projects are not covered under the EIA Notification (EIA), 2006 and PP shall strictly comply with the same.
16. If any construction is proposed within CRZ area, Environmental Clearance shall be obtained under the CRZ Notification,2011. Any construction within CRZ-I shall be on silts, Maintenance and repair activities (industrial Activities) are not permissible within CRZ.
17. PP shall ensure Bio-toilets are properly evacuated & sewage will take into the STP which after treated & disinfected is used for non-potable uses. No faecal matter of sewage is disposed on stations.
18. PP shall submit the bilateral agreement between M/s. Metro Line-3 car shed, workshop depot and M/s. Aarey Metro Station within 2 months period for equally responsible for the operation and maintenance of STP and equally liable for any deviation in the analysis JVS results of the STP Outlet.
19. PP shall restrict usages, sale, handling & storage of plastic and thermacol products as per Maharashtra plastic & thermacol products (M.U.S.T.H.& S.) notification dtd 23.03.2018 and amendment thereto in the state of Maharashtra .
20. PP shall make provision for 80% recycling of treated trade effluent for secondary purposes such as toilet flushing, air conditioning, floor washing, firefighting etc and the remaining shall be used for gardening purposes.
21. PP shall ensure for the operation and maintenance of the water and air pollution control system so as to achieve the consented norms.
22. PP shall obtain NOC /Permission from Central ground water authority (CGWA) in case of usage of ground water .
23. PP shall strictly follow Board's circular of Railway sliding vide no BO/JD(APC) TB.1/B-3869 dated 4.9.2015.
24. PP shall submit/extend the BG of Rs. 25.0 Lakh towards O & M of the pollution control system and compliance of consent conditions.
25. The applicant shall make an application for renewal of consent 60 days prior to the date of expiry of the consent.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1105600.00	MPCB-DR-27883	10/07/2024	NEFT

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai II
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 75 CMD consisting of Primary, Secondary and Tertiary treatment systems
- 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:

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	6.0 -8.5
(2)	BOD (3 days 27°C)	30
(3)	COD	250
(4)	TSS	100
(5)	Oil & Grease	10
(6)	Total Metal	10
(7)	Total Dissolved Solids	2100
(8)	Chloride	600
(9)	Sulphate	1000

- C] The treated effluent shall be recycled 80% for secondary purposes such as washing purposes, toilet flushing, Air conditioning, Cooling tower makeup, firefighting, etc. and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, effluent shall find its way for outside factory premises.
2. A] As per your application you have provided STP of capacity 150.0 CMD. As per the request letter, PP will treat the sewage of Aarey Metro Station to the quantity of 90 CMD in this STP of Metro Line -3 Car shed depot. along with the sewage generated from this Metro Line -3 Car shed maintenance depot and workshop activities i.e. 38.3 CMD. Hence total sewage will be treated in this STP is of 128.3 CMD.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50
2	BOD 3 days 27°C	Not to exceed	30
3	COD	Not to exceed	100

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for outside factory premises.

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 an 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) Act, 1974 and as amended, by installing water meters 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	5.00
2.	Domestic purpose	45.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	52.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	7.5

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:

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

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	DG sets 1000 KVA	Acoustic Enclosure Stack	30.00	HSD 124.32 Kg/Day	1.8	SO ₂	2.48 Kg/Day
S-2	DG sets 630 KVA	Acoustic Enclosure Stack	13.00	HSD 124.32 Kg/Day	1.8	SO ₂	2.48 Kg/Day

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.
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.

4. 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 (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	1st consent to operate	Rs. 25 Lakh	15 days	Towards compliance of O & M of Pollution control system and compliance of consent conditions	continuous	31.01.2026

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

- 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.
- Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 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.
- 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 consent to operate before 60 days of start of commercial production.
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 MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
16. The industry should not cause any nuisance in surrounding area.
 17. 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.

This certificate is digitally & electronically signed.
