

# MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
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Near Sion Circle, Sion (E),  
Mumbai - 400 022

Consent order No: - BO/CAC-Cell/EIC No:-PN-21899-14/CAC/10015

Date- 31/10/2014

To,  
M/s. ABB India Ltd.  
Plot No.79, MIDC Satpur, Street No.17,  
Tal. & Dist :- Nashik-422007.

Subject: 1<sup>st</sup> Consent to Operate (expansion) with amalgamation of existing consent in Red category.

- Ref : 1. Consent to Operate granted vide Consent No. BO/JD(APC)/EIC No. NK-13197-13/Renewal/CAC-5841 dated 10.07.2013.  
2. Consent to establish granted vide Consent No. BO/JD(APC)/TB-4/EIC No. NK-13547-13/E/CAC-6333 dated 09.07.2013.  
3. Minutes of CAC meeting held on 20.10.2014.

Your application No: CO1407000126.  
Dated: 28.03.2014.

For: 1<sup>st</sup> Consent to Operate (expansion) with amalgamation of existing consent under Section 26 of the Water (Prevention and Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Waste (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 & IV annexed to this order:

- The consent is granted for a period of 5 years.
- The capital investment of the industry is Rs. 20.64 Crs. (Existing CI- 106.76 Cr + increased C.I.- Rs. 13.88 Cr As per schedule submitted by industry)
- The Consent is valid for the manufacture of the following products:

Sr. No.	Product Name	Quantity	UOM
1	Switchgear Panels.	100	Nos/Month.
2	Circuit Breakers	300	Nos/Month.
3	Ring Main Unit.	100	Nos/Month.
4	Vacuum Interrupter.	1000	Nos/Month.
5	Magnetic Actuator.	1000	Nos/Month.

- Conditions under Water (P&CP), discharge of effluent:

Sr. no.	Description	Standards to be achieved	Disposal
1.	Trade effluent	As per Schedule-I	Maximum recycle/reused and remaining on land for gardening
2.	Domestic effluent	As per Schedule-I	Maximum recycle/reused and remaining 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.	Hot Water Generator.	1	As per Schedule -II
2.	Acid Scrubber (2 Nos.)	2	As per Schedule -II
3.	D.G. Set. (625 KVA)	1	As per Schedule -II
4.	D.G. Set. (360 KVA)	1	As per Schedule -II
5.	D.G. Set. (250 KVA x 2 Nos.)	2	As per Schedule -II
6.	RMU Welding Station-1.	1	As per Schedule -II
7.	RMU Welding Station-2.	1	As per Schedule -II
8.	Pump House.	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. No.	Type Of Waste	Quantity & UOM	Treatment	Disposal
1	Plastic	3630 Kg/M.	---	By sale to authorized party
2	Paper Scrap	6045 Kg/M.	---	
3	Card Board	8059 Kg/M.	---	
4	Corrugated Boxes.	75 Kg/M.	---	
5	Wood.	31.5 Kg/M.	---	
6	Cleaned Plastic Container	53 Nos/M.	---	
7	Glass Bottles	15 Nos/M.	---	
8	Wooden Boxes	300 Nos/M.	---	
9	Other Scrap	2401 Kg/M.	---	
10	Aluzink	350 Kg/M.	---	
11	M.S. Scrap	08 Nos/M.	---	
12	Stainless Steel	10 Nos/M.	---	
13	Aluminium	05 Nos/M.	---	
14	M.S. Empty Drum	10 Nos/M.	---	

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

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Discarded Container	33	2	Nos/M	Nil	GPCB/MPCB Authorized Represesor.
2	Chemical Sludge from Waste water Treatment.	34	50	Kg/M	Nil	CHWTSDF
3	Acid Residue	12	50	Kg/M	Nil	CHWTSDF
4	Spent Solvent	20	200	Kg/M	Nil	CHWTSDF
5	Used Oil	5	200	Kg/M	Nil	CHWTSDF
6	Resin Waster from DM.	34	0.3	MT/3 Yr.	Nil	CHWTSDF
7	Copper Pickle Waste	12	10	MT/M	Nil	CHWTSDF
8	Degreasing Waste	12	200	Kg/M	Nil	CHWTSDF
9	Evaporator Waste	34	20	MT/M	Nil	CHWTSDF

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Sr. No.	Type Of Waste	Catagory	Quantity	UOM	Treatme nt	Disposal
10	Electro polishing Waste.	2.1	500	Kg/M	Nil	CHWTSDF
11	Chemical Contaminated Hand gloves.	33.3	20	Kg /M	Nil	CHWTSDF
12	Evaporator Concentrate-2.	34.3	10	MT/M	Nil	CHWTSDF
13	Silicon waste.	27.1	10	MT/M	Nil	CHWTSDF
14	Oil Contaminated Filters of Compressors.	5.2	10	Nos/M	Nil	CHWTSDF
15	Alumina From Air Drier.	34.2		Kg/M	Nil	CHWTSDF
16	Oil Contaminated Filters of D.G. Sets.	5.2		Nos/M	Nil	CHWTSDF
17	Silica Gel.	27.1		Kg/M	Nil	CHWTSDF
18	Silicon Primer.	27.1		Kg/M	Nil	CHWTSDF
19	Used Storage Batteries.	---		Nos/M	Nil	CPCB/MPCB Authorized Reprosesor.
20	Discarded Containers.( Spent/Grease/Chemicals.)	33.3		Nos/M	Nil	CPCB/MPCB Authorized Reprosesor.
21	Mobicut.			Bit./M	Nil	CPCB/MPCB Authorized Reprosesor.
22	Copper Scrap.			MT/M	Nil	CPCB/MPCB Authorized Reprosesor.
23	Used Sand.			Nos/M	Nil	CHWTSDF
24	Oil Soaked Cotton Waste & Hand Gloves.	5.2		Kg/M	Nil	CHWTSDF
25	E Waste			MT/M	Nil	CPCB/MPCB Authorized Reprosesor.
26	Quartz			Kg/M	Nil	CHWTSDF
27	Paint Sludge.	21		MT/M	Nil	CHWTSDF
28	Vacuum Interrupted Rejected Material		10	Nos/M	Nil	CPCB/MPCB Authorized Reprosesor.

8. The Board reserves the right to 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 competent authorities.

10. The consent is issued with the overriding effect on existing consent granted by the Board vide consent no BO/JD(APC)/EIC No. NK-13197-13/Renewal/CAC-5840 dated 10.07.2013.

11. Industry shall regularly dispose the sludge to CHWT/SDF or sending spent acid to authorized acid recovery plant (ARP)

For and on behalf of the  
Maharashtra Pollution Control Board

(Rajeev Kumar Mital)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	D	Date	Drawn On
1	Rs. 1,00,100/-	7168	28/03/2014	ICICI Bank

Copy to:

1. Regional Officer -M.P.C. B. Nashik and Sub-Regional Officer- M.P.C. B. Nashik and They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,
3. CC/CAC desk- for record & web site 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 of 24 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.

Sr No.	Parameters.	Standards prescribed by
		Board (If any)
	I. Compulsory Parameters	Limiting Concentration in mg/l except for pH
01	PH	5.5-9.0
02	Suspendd Solid.	100
03	BOD(3 days 27°C)	100
04	COD	250
05	Oil & Grease.	10
06	Total Dissolved Solids	2100
07	Chloride	600
08	Sulphate	1000
09	Chromium Cr	0.1
10	Copper	3.0
11	Iron	3.0

C] The treated trade effluent shall be reused/recycled up to the maximum extent & remaining shall be disposed on land for gardening after confirming the above standards. In no case the effluent shall find its way outside factory premises.

2) A] As per your consent application you have provided the sewage treatment system with the design capacity of 24 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.

(a)	Suspended Solids.	50 mg/l
(b)	BOD 3 days 27°C.	30 mg/l
(c)	COD	100 mg/l

C] The treated domestic effluent shall be reused/recycled up to the maximum extent & remaining shall be disposed on land for gardening after confirming the above standards. In no case the effluent shall find its way outside factory premises.

D] In case the treatment system is not provided for trade effluent and sewage then the standards and disposal mode prescribed at sr. no. 1-B & C of schedule I shall be applicable.

3) The Board reserves its right to demand new 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, fire pits or boiler feed	4.5
2.	Domestic purpose	116.0
3.	Processing whereby water is polluted & pollutants are easily biodegradable	15.0
4.	Processing whereby water is polluted & pollutants are not easily biodegradable and are toxic	NH
5.	Other such as agriculture, etc	4.0

- 6) The Applicant shall provide Sewage Water Pollution control system as per the conditions of EP Act, 1986 and shall maintain the same there under from time to time/ Environmental Clearance / CRP.

*(Handwritten signature)*

**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	S %	SO <sub>2</sub> Kg/Day
1.	Hot Water Generator.	---	11.0	HSD	22 Lit/Hrs	1	10.6
2.	Acid Scrubber (2 Nos.)	Scrubber	12.0	....	---	---	---
3.	D.G. Set.(625 KVA)	---	5.0	Diesel	150 Lit/Hrs	1	72
4.	D.G. Set.(360 KVA)	---	4.5				
5.	D.G. Set. (250 KVA x 2 Nos.)	---	2.5				
6.	RMU Welding Station-1.	Fume extraction system	9.5	....	---	---	---
7.	RMU Welding Station-2.	Fume extraction system	9.5	....	---	---	---
8.	Pump House	---	3.0	Diesel	10 Lit/Hrs	1	4.8

2. The Applicant shall provide and maintain Air Pollution control equipments as per the conditions of E.P. Act, 1986 and the rules made there under from time to time / Environmental Clearance guidelines. (Concern section shall mention specific control equipment)

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.

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
Acid Mist	Not to exceed	35 mg/Nm <sup>3</sup>

4. The Applicant shall obtain prior permission for providing additional control equipment, modification of existing equipment, replacement thereof or alteration or replacement of existing equipment well before its life come to an end or erection of new pollution control equipment.

5. The Board reserves its right to demand all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of control equipment, other in whole or in part as necessary)

**Schedule-III.  
Details of Bank Guarantees.**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	CtoO	Rs. 5 Lakh	15 days	Towards Operation & Maintenance of Pollution Control System so as to Achieve Consent Standard	29.02.2016	31.05.2016
2	CtoO	Rs. 2 lakhs	15 days	Towards regular disposal of sludge to CHWTSDF or sending spent acid to authorized ARP	29.02.2016	31.05.2016







system. A register showing consumption of chemicals used for treatment shall be maintained.

19) 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 shall be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c) Industry should make efforts in bringing 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 done 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 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 (diesel).

20) The industry should not cause any nuisance in surrounding area.  
21) 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 6 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

22) The applicant shall maintain green cover in the surrounding area.  
23) The applicant shall bring minimum 10% 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 31<sup>st</sup> May and number of trees planted by September end, with the Environment Stat.

24) The non-hazardous solid waste generated in the factory premises, sweepings, etc. be disposed of scientifically so as to avoid any nuisance / pollution. The applicant shall take necessary permissions from the authorities for disposal of solid waste.

25) The applicant shall not change the quantity, quality, the rate of discharge, temperature or the mode of discharge of effluents/emissions or hazardous waste or control equipment, provided for without the written permission of the Board. The industry will not carry out any activity if this consent has not been granted/without prior consent of the Board.

26) The industry shall ensure that the emissions from the activity are controlled so as to maintain a clean and safe environment around the factory premises.

27) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control (format can be downloaded from official site). The statement shall be duly supported with documentary evidences.

28) The industry shall submit official address and any change will be duly informed to the MPOB.

29) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. 1209 as amended.

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