

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24014701/24020781

Fax : 24024068/24023516

Website: <http://mpcb.gov.in>.

E-Mail: jdair@mpcb.gov.in



KALPATARU POINT, 3rd Floor,
Sion-Matunga Scheme Rd. No.8,
Opp. Sion Circle, Sion (East),
Mumbai-400 022.

RED/LSI

Consent No. BO/JD(APC)/ EIC No. EIC No.NK-10128-11/R/CC-464 Date:25/06/2012.

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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management Handling & Transboundary Movement) Rules, 2008.

[To be referred as Water Act, Air Act and HW (MH & TM) Rules respectively].

CONSENT is hereby granted to

M/s. Siemens Ltd.
Plot No.C-1, MIDC Ambad, Nashik,
Dist- Nashik.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(MH&TM) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to – 31.12.2016.
2. The Consent is valid for the manufacture of –

Sr. No.	Product Name	Maximum Quantity
1	Variable Speed AC Drive System upto 1100 KW	As Per Order
2	Variable Speed AC Drive Squirrel Cage motor Upto 1100 KW, Slipring Motor upto 3000 KW	
3	Programmable Control	
4	Rectifier Cubicles Associated Control & Supervisory Apparatus Equipment	
5	Data Acquisition logging & Control Systems	
6	Inverters for rolling stock of railways	
7	Audio frequency Track circuit of Railways	
8	Railway Signalling Products	
9	Auxilliary Inve-ter for AC Loco	
10	Traction Converter for Diesel Loco	
11	Electrical Contrl Cabinet	
12	Traction Converter for Electrical Multiple unit	
13	Auxilliary converters for EMu	
14	High frequency power supply	
15	SHOVEL	

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not be NIL.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 47.5 m³

(iii) **Trade Effluent Treatment:** N.A.

(iv) **Trade Effluent Disposal:** N.A.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

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

(vi) **Sewage Effluent Disposal:** The treated effluent shall be reused/recycled to maximum extent & excess if any shall be used on land for gardening only within premises. There shall not be any discharge outside the factory premises.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Aluminium Scrap	3710.00	Kg/Annum		By Sale
2	Copper Scrap	676.00	Kg/Annum		By Sale
3	Copper Scrap with silver contacts	0.00			By Sale
4	Factory Sweep	25030.00	Kg/Annum		By Sale
5	MS Scrap	30640.00	Kg/Annum		By Sale
6	PVC Channel Spools	7867.00	Kg/Annum		By Sale
7	Scrap Wire & Cable	3435.00	Kg/Annum		By Sale
8	Wooden Scrap	127400.00	Kg/Annum		By Sale

(viii) **Other conditions:** The industry shall monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules there under: The daily water consumption for the following categories is as under:

Domestic	50.0 CMD
Industrial processing generating Bio-Degradable waste water CMD
Industrial processing generating Non-Bio-Degradable waste water CMD
Industrial Boiler/Cooling etc.	141.0 CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT:**

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

A) Control Equipment:

- (i) Adequate Fume extraction system followed by dust collecting system of sufficient capacity shall be provided to furnace and to all sources of SPM/TPM & operated properly & continuously so as to achieve following standards.
- (ii) Scrubber provided to Paint Booth shall be operate & Maintain properly continuously so as to achieve following standards.
- (iii) There shall not any secondary (fugitive) emissions.

B) Conditions for D.G. Set:-

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically. 2] 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. 3] The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m. 4] 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. 5] Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer. 6] 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. 7] D.G. Set shall be operated only in case of power failure. 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

C) Standards for Emissions of Air Pollutants:

- (i) **The applicant shall observe the following fuel pattern:-**
- | | | | |
|------|-----------------|---------------|------------------------|
| (i) | SPM/TPM | Not to exceed | 150 mg/Nm ³ |
| (ii) | SO ₂ | Not to exceed | 80 kg/day |
- (ii) **The applicant shall observe the following fuel pattern:-**
- | | | |
|---------------|---------------------|-----------------|
| <u>Sr.No.</u> | <u>Type of Fuel</u> | <u>Quantity</u> |
| 1. | LPG | 65 kg/day |
| 2. | HSD | 3720 Lit/day |
- (iii) **The applicant shall erect the chimney(s) of the following specifications:-**

Sr. No.	Chimney Attached to	Height in Mtrs.
1	DG set 860 KVA	12*
2	DG set 20 KVA	4.0*
	DG set (180 KVA)	5.0*

(* Above roof top of building in which it is installed)

- (iv) 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.
- (v) 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.
- (vi) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions and ambient air quality Regularly.

6. CONDITIONS UNDER HAZARDOUS WASTE (MH & TM) RULES, 2008:

(i) The applicant shall handle hazardous waste as specified below:-

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.1 Used /spent oil	2000.00	Lit/Month	MPCB/CPCB Authorised Recycler
2	5.2 Wastes/residue containing oil (Oil Soak Saw dust)	10.00	Kg/Month	CHWTSDF
3	5.2 Wastes/residue containing oil (Oil Soak Cotton dust)	100.00	Kg/Month	CHWTSDF
4	5.2 Wastes/residue containing oil (Oil Filter)	5.00	Kg/Month	CHWTSDF
5	5.2 Wastes/residue containing oil (Oil contaminated rubber parts)	5.00	Kg/Month	CHWTSDF
6	20.1 Contaminated aromatic, aliphatic or naphthenic solvents	115.00	Kg/Month	CHWTSDF
7	21.1 Wastes and residues (Paint Residues)	Irrsepective of any quantum		CHWTSDF
8	31.1 Residues and wastes* (Lead Ash Solder Dross)	50.00	Kg/Month	CHWTSDF
9	33.3 Discarded containers / barrels / liners	As & When generated		CHWTSDF
10	21.1 Thermoset Plastic	As & When generated		CHWTSDF
11	21.1 Thermocol	As & When generated		MPCB/CPCB Authorised Recycler
12	B-21, Asbestos sheets	As & When generated		
13	Insulated copper wire scrap	2000	kg/Month	MPCB/CPCB Authorised Recycler
14	C-14 Batteris(Pencils Cells/ Lead Acid Batteries	As & When generated		MPCB/CPCB Authorised Recycler
15	Jelly filled copper cables	As & When Generated		MPCB/CPCB Authorised Recycler
16	E-waste	As & When generated		MPCB/CPCB Authorised Recycler
17	Tube lights, Mercury vapor lampos/CFL	As & When generated		CHWTSDF
18	Mercury Waste	As & When generated		CHWTSDF
19	Silica Gel	As & When generated		CHWTSDF

- a) The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
- b) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008.
- c) The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
- d) It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and shown & submitted to the Board as & when asked for.

7. 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.

8. General conditions:

- (i) 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, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.** The applicant shall not change or alter 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.
- (iv) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th September every year.
- (v) 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (vi) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- (vii) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.

- (viii) 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.
- (ix) The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
9. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
10. This is issued pursuant to the decision of Consent Committee meeting held on 30th May 2012 of the Board.
11. **The applicant shall submit the irrevocable operational bank guarantee of Rs.5.0/- Lakhs drawn in favour of RO MPCB Nashik within 15 days valid for one year towards compliance of the consent conditions and standards stipulated in the consent.**
12. The total capital investment of industry is Rs.49.39/- Crore


(Milind Mhaiskar, IAS)
Member Secretary

To,
M/s. Siemens Ltd.
Plot No.C-1, MIDC Ambad, Nashik,
Dist- Nashik.

Copy to:

1) Regional Officer, MPCB, Nashik 2) Sub-Regional Officer, MPCB, Nashik.

They are directed to obtain operational **bank guarantee of Rs.5.0/- Lakhs** from the **industry and** submit the performance report along with monitoring results within one month period and ensure the compliance of consent conditions.

3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	425000	168833	28 Oct 2011	IDBI

4] Cess Branch, MPCB.