


MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701		Kalpataru Point, 2 nd - 4 th Fl.
Fax: 24024068 / 24023516		Opp. Cine Planet Cinema,
Website: http://mpcb.gov.in		Near Sion Circle, Sion (E)
E-mail: mpcb@vsnl.net		Mumbai-400 022.

BO/JD(APC)/EIC No.NK-14492-13/O/CC- 309

Date: 09/01/2014.

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 (M&H) Rules respectively].

CONSENT is hereby granted to

**M/s. Perfect Circle India Ltd.,
Plot no.E-34,MIDC Satpur,
Tal and Dist -Nashik.**

Located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) 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 31.05.2017.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Piston Ring Casting	235	MT/M
2	Shims and Plates Casting	315	MT/M
3	Sleeve	50	MT/M

Without use of non ferrous scrap as a raw material till they obtain actual user registration from MPCB as per Hazardous Waste (Management, Handling & Tranboundary) Rules 2008.

3. CONDITIONS UNDER WATER ACT:

The daily quantity of effluent from the factory shall not exceed the following limits:-

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1	pH	Between	5.5 to 9.0
2	BOD 3 days 27 Deg. C.	Not to exceed	30 mg/l.
3	Suspended Solids	Not to exceed	100 mg/l.
4	TDS(Total Dissolved Solids)	Not to exceed	2100 mg/l.
5	COD	Not to exceed	250 mg/l.
6	Oil & Grease	Not to exceed	10 mg/l.
7	Chlorides	Not to exceed	600 mg/l.
8	Sulphates	Not to exceed	1000 mg/l.

(iv) **Trade Effluent Disposal:** The treated effluent shall be reuse / recycled back into the process for cooling purpose and remaining treated effluent shall be used on land for gardening in the factory premises. There shall not be any discharge outside the factory premises and in no case trade effluent shall find its way into nearby stream /river. The industry shall become a member of CETP as and when proposed.

(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 27o C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** The treated effluent shall be used on land for gardening / plantation only.

(vii) **Other Conditions:** Industry should 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 amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

Sr. no.		Qty
I	Domestic purpose	35 CMD
II	Industrial Processing	24 CMD
III	Industrial Cooling	64 CMD
IV	Agriculture Gardening	65 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. Non Hazardous Solid wastes-

Sr.No	Type of waste	Quantity	Treatment
1	Furnace Slag	8.0 MT / M	Sale to authorized party
2	Dust from dust collector	160 MT / M	Sale to authorized party
3	Water based grinding muck	60 MT / M	Sale to authorized party

6. CONDITIONS UNDER AIR ACT :

The applicant shall comply with the provisions of the Air (Prevention and Control of Pollution) Act, 1986 and the Air (Prevention and Control of Pollution) Rules, 1987.

The applicant shall install and maintain the following air pollution control equipment:

1. Bag filter for dust collection from the furnace.

2. Water based grinding muck collection system.

(B) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	335	Ltrs/Day

(C) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Ring Tumbling -I	11
2	Ring Tumbling -II	8
3	Spru Tumbling -I	11
4	Spru Tumbling -II	11
5	Shot Blasting - Machine-I	12
6	Shot Blasting - Machine-II	12
7	D.G.set (2X250 KVA)	8

(D) Standards for Emissions of Air Pollutants:

i	SPM/TPM	Not to exceed	150 mg/Nm ³
ii	SO ₂	Not to exceed	5.2 Kg/Day.

(E) Control Equipment:

- I. Dust Collection system of sufficient capacity shall be provided to source of SPM/TPM.
- II. Adequate fume extraction system followed by dust collector of sufficient capacity shall be provided at all dust generating locations and operated properly.
- III. There shall not be any secondary (fugitive) emissions.

(F) Conditions for D.G. Set.

- I. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- II. 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.
- III. The industry shall take adequate measures for control of noise levels from its premises within the permissible limit of noise level less than 75 dB (A) day time and less than 70 dB (A) night time. Day time shall be from 06:00 AM to 06:00 PM and night time shall be from 06:00 PM to 06:00 AM. The industry shall also provide acoustic enclosure for all noisy equipment and shall also provide acoustic treatment for all noisy equipment. The industry shall also provide acoustic treatment for all noisy equipment. The industry shall also provide acoustic treatment for all noisy equipment. The industry shall also provide acoustic treatment for all noisy equipment.

- VI. 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
- VII. D.G. Set shall be operated only in case of power failure
- VIII. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

(G) 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.

(H) 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.

(I) 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.

(7) CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

- (i) The Industry shall handle hazardous wastes as specified below.

Sr.No	Item No. of Process generating HW as per Schedule-I	Type of waste	Quantity	unit	Disposal
1	5.1	used/spent oil	2.0	MT/Month	SPCB/CPCB authorized reprocessor or/CHWTSDF.
2	5.2	Oil base muck	60	MT/Month	
3	5.2	Oil soaked cotton waste and hand gloves	1.0	MT/Month	CHWTSDF.
4	34.3	ETP sludge	1.0	MT/Month	CHWTSDF

(ii) Treatment: - NIL

(iii) The authorization is based on the information provided by the applicant and the same is subject to the availability of the required facilities for the disposal of the waste.

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) Industry shall comply with following general conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – 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 to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant 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 & conditions of this consent regarding pollution levels.
- v. 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.
- vi. 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.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric 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.

xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

(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) The applicant shall not use non ferrous scrap as a raw material without obtaining necessary authorization from the CPCB ,failing which closure direction will be issued .

(11) Industry shall submit the Bank Guarantee of Rs. 5/- Lakhs validity up to 30/09/2017 in the Board within 15 days towards operation and maintenance of pollution controlling systems so as to achieve consent standards / and compliance of the same.

(12) This Consent is issued pursuant to the decision of the Consent Committee meeting dtd. 13.12.2013.

(13) The total Capital investment of the industry is Rs. 35.31 Crs.

For and On Behalf of the
Maharashtra Pollution Control Board,

(Rajeev Kumar Mital, IAS)
Member Secretary

To,
M/s. Perfect Circle India Ltd.,
Plot no.E-34,MIDC Satpur,
Tal and Dist –Nashik.

Copy to:

1) Regional Officer-Nashik, MPCB, Nashik.

2) Sub regional Officer –Nashik, MPCB, Nashik.

- They are directed to obtain bank guarantee from the industry and submit compliance report within month along with monitoring reports.

3) Chief Accounts Officer, MPCB Mumbai.

4) Received Consent fee as per revised consent Fee GR dated 25.8.2011.

Amount	DD Number	Date	Drawn on
Rs.2,55,100/-	602681	27.06.2013	Yes Bank
Rs 41,250/-	602768	08.08.2013	Yes Bank

5) Cass Branch, MPCB