

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent order No: - Formate 1.0 BO/AST/ PN-17291-13/12th/CAC/8852 **Date- 13/11/2014**
To,

M/s Umicore Autocat India Pvt Ltd,
Sr.No. 1295,1296,1122,1140 & 1129,03
Village Mouje Shirwal,
Taluka-Khandala, Dist-Satara.

Subject: Consent to Establish RED category.
Ref : 1. Minutes of CAC meeting held on 12.09.2013.

Your application: CE1304000628
Dated: 22.04.2013

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 Wastes (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, II, III & IV annexed to this order:

1. The consent is granted upto the commissioning of the unit for a period of five years or whichever is less.
2. The actual capital investment of the industry is Rs.90.26 Crs. (As per C.A.Certificate submitted by industry)
3. **The Consent is valid for the manufacture of -**

Sr. No.	Product Name	Maximum Quantity
1	Emission Control Catalysts	833334.00 Nos/M
2	Precious Metals Containing Solution	2 MT/M
3	Precious Metals Containing Slurry/Cake	2 MT/M

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	16	As per Schedule -I	Recycle. Excess 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.	DG set	1	As per Schedule -II
2.	Process vents	11	As per Schedule -II
3.	Fire fighting Pump	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Used/Damaged Pellets (Wooden or Plastic)	60 No / M	--	Local Municipality
2	Card Board & other packaging material	600 Kg / M	--	Local Municipality
3	Substrates out of specification (ceramic)	600 Kg / M	--	Sent back to the Vendor
4	Raw materials out of specification	80 Kg / M	--	Sent back to the Vendor
5	Various types of non contaminated empty containers (Bottles, bags, packaging material, drums, IBCs)	200 Kg / M	--	Sent back to the Vendor or Local Municipality

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

Sr No	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used/Spent Oil	5.1	2.5	Kg/D	---	To authorized recycler.
2	Filters, cartridges, rags, cotton wipers, other miscellaneous oily waste	5.2	2.5	Kg/D	---	To authorized recycler or CHWTSDF, Ranjangaon
3	Sludge/screenings/ Spent Carbon/ Membrane /Media/Spent resin.	34.3	35	Kg/D	---	CHWTSDF, Ranjangaon
4	Spent Solvents	50.2	50	Kg/D	---	CHWTSDF, Ranjangaon

	waste/Chemicals					
7	Other waste: Contaminated personal protective equipment (PPES), other miscellaneous industrial and laboratory waste etc	Sch -II Testing	7.5	Kg/D	---	CHWTSDF, Ranjangaon

8. The 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 exemption from obtaining necessary NOC/permission from any other Government authorities.
10. This consent is issued pursuant to the certificate issued by Executive Engineer, Irrigation dept dtd 28.8.2013.
11. This consent issued as per request of industry vide letter dtd.02.11.2013 & with overriding effects on earlier consent granted by Board vide no. Formate 1.0 BO/AST/PN-17291-13 /12th /CAC/9952 dtd 21.10.2013

For and on behalf of the
Maharashtra Pollution Control Board

(Rajeev Kumar Mital)
Member Secretary

Received Consent fee of-

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	125100	736617	25.02.2013	Corporation Bank

Copy to:

1. Regional Officer -Pune and Sub-Regional Officer-MPCB, Satara: They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A) As per your application, you have proposed to install the combined Effluent Treatment Plant (ETP) with the design capacity of 24 CMD.
 B) The Applicant shall operate the combined 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
		Limiting Concentration in mg/l, except for pH
01	pH	5.5 to 9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	30
04	Total Dissolved Solids	2100
05	Suspended Solids	100
06	COD	250
07	Chlorides	600
08	Sulphates	1000

- C) The treated effluent shall be recycled/reused to the maximum extent for toilet flushing. Excess shall be disposed on land for gardening on 13 acres of land.
- 2) In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable.
- 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/ 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 in mine pits or boiler feed	4 CMD
2.	Domestic purpose	10 CMD
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	26 CMD
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and	2 CMD

1) All the effluents from the industry shall be treated in the combined effluent treatment plant (ETP) and the treated effluent shall be recycled/reused to the maximum extent for toilet flushing. Excess shall be disposed on land for gardening on 13 acres of land.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to provide the Air pollution control (APC) system and shall also erect following stacks 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 Kg/Day
1	Water Scrubber (Pd-N dissolving), Pt-Cl & Rh-Cl dissolving units, Water Scrubber (Pt-N dissolving), PMS Local Extraction with minor fume contents	Scrubber & Stack	14	N.A	N.A	----	----
2	H ₂ SO ₄ Scrubber	Scrubber & Stack	14	N.A	N.A	----	----
3	Rinse water precipitation unit	Stack	14	N.A	N.A	----	----
4	PMS exhaust organic production unit	Stack	14	N.A	N.A	----	----
5	Washcoat mixing 1,2,3,4+5 dry offgas, Washcoat mixing 1,2,3,4+5 wet offgas, Coater Line 1,2,3,4/ Leister/Fume cabinets	Central deduster & Stack	14	N.A	N.A	----	----
6	Furnace Line 1,2,3,4	Stack	14	N.A	N.A	----	----
7	Lab Exhaust	Stack	14	N.A	N.A	----	----
8	Lab Area : Local Extraction with minor fume contents (caustic), Lab Sample Preparation: Local Extraction with minor fume contents, Coater Production: Local Extraction with minor fume contents	Stack	14	N.A	N.A	----	----

	Chrstian Coater, Customer Sample Production: Batch Furnace, Thermoshock						
10	Recovery Plant: Reduction Process	Stack	14	N.A	N.A	----	----
11	Recovery Plant: all other processes	Stack	14	N.A	N.A	----	----
12	DG Set	Stack	3 (Above the roof o the building)	HSD	35kg/Hr	0.5	16.8
13	Fire Fighting Pump	Stack	1.5(Abov e the roof o the building)	HSD	----	----	----

- 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.
- 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 ³ .
HCL	Not to exceed	35ppm
Cl ₂	Not to exceed	3 ppm
NH ₃	Not to exceed	50 mg/Nm ³
HC	Not to exceed	150 mg/Nm ³
Acid mist	Not to exceed	35 ppm

- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacemenalteration well before its life come to an end or erection of new pollution control equipment.
- 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 (C to R)	Amt of BG Imposed	Submissi on Period	Purpose of BG	Compliance Period	Validity Date
NA						

Maharashtra Pollution Control Board

Schedule-IV

General Conditions:

The following general conditions apply as per type of the industry

- 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) 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.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) 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
- 7) /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 at a environment.
- 8) The industry should comply with the Hazardous Waste (MH & TM) Rules, 2008 and

- 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 obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 12) 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).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) 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.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) 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.
- 17) The industry should not cause any nuisance in surrounding area.
- 18) 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.
- 19) The applicant shall maintain good housekeeping.
- 20) The applicant shall bring minimum 33% of the available open land under green cover/afforestation. The applicant shall submit a detailed statement for the same to the Board for its consideration.

- 21) 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.
- 22) 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.
- 23) 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.
- 24) 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).
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.