

MAHARASHTRA POLLUTION CONTROL BOARD

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

Consent No: Format 1.0:- BO/CAC-CELL/EIC No. PN- 26263 -15 /O/CAC- 420
Date- 8/01/2016

To,
M/s. Godrej & Boyce Mfg. Co. Ltd.
(Lawkim Motors Group)
Gat No. 431, Shindewadi,
Tal - Khandala, Dist- Satara.

Subject: 1st Consent to Operate for expansion and amalgamation with existing
Consent to Operate in RED category.

- Ref : 1. Consent to Operate granted by the Board vide BO/JD (APC)/EIC No. PN-
199979 - 13/O/CC-4668 Dt.17/05/2014.
2. Consent to Establish for expansion granted by the Board vide no. BO/
CAC-CELL/EIC No.PN-24889-15/CAC-Cell-4544 dtd. 21.04.2015.
3. Minutes of the CAC meeting held on 09.12.2015.

Your application: CO1507000361.

Dated: 10.07.2015

For: 1st Consent to Operate for expansion and amalgamation with existing Consent
to Operate in RED category 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 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 for a period up to 31.12.2016.
2. The total capital investment of the industry is Rs. 97.61 Cr. (Existing CI- Rs.
73.24 Cr + Expansion CI- Rs. 24.37 Cr. as per C.A. Certificate submitted by
industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in Nos./Month
1.	Special Purpose Electric Motors	250,000
2.	Motor Components & Parts	105,000
3.	Commercial and Industrial Motors	75,000
4.	Hermetic Compressors	25,000

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	19	As per Schedule -I	Reuse & recycle up to maximum extent and remaining on land for gardening
2.	Domestic effluent	50	As per Schedule -I	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.	Annealing Exit Exhaust	1	As per Schedule -II
2.	Annealing Burn off	1	As per Schedule -II
3.	Steam bluing exhaust	1	As per Schedule - II
4.	Producer gas	1	As per Schedule - II
5.	Producer gas	1	As per Schedule -II
6.	Producer gas	1	As per Schedule -II
7.	D G set 1250 KVA	1	As per Schedule - II
8.	D G set 1250 KVA	1	As per Schedule - II
9.	D G set 750 KVA	1	As per Schedule -II
10.	Electrical furnace 2086	1	As per Schedule -II
11.	Electrical furnace 2086	1	As per Schedule - II
12.	Electrical furnace 2085	1	As per Schedule - II
13.	Electrical furnace 2085	1	As per Schedule - II
14.	Electrical furnace TCS	1	As per Schedule - II
15.	Electrical furnace TCS	1	As per Schedule - II
16.	Electrical furnace TCS	1	As per Schedule - II
17.	Electrical furnace 2087	1	As per Schedule - II
18.	Electrical furnace 2087	1	As per Schedule - II
19.	Induction Heating	1	As per Schedule - II
20.	Paint Booth Assy Line	1	As per Schedule - II
21.	Paint Booth varnishing	1	As per Schedule - II
22.	Powder coating 1	1	As per Schedule - II
23.	Powder coating 2	1	As per Schedule - II
24.	Powder coating 3	1	As per Schedule - II
25.	Varnishing exhaust (6 nos.)	1	As per Schedule - II
26.	Baffco Furnaces (4 nos.)	1	As per Schedule - II
27.	Plasma cutting machine	6 nos.	As per Schedule - II
28.	Compressor welding carrier	4 nos.	As per Schedule - II
29.	Compressor welding Godrej	1	As per Schedule - II
30.	Paint booth	1	As per Schedule - II
31.	Phosphating section	1	As per Schedule - II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Metal, Thread, Paper & Other waste materials	875 MT/Month	-	Sale

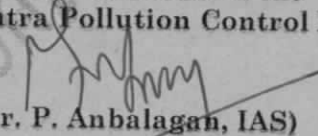
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Spent Oil	5.1	5000	Lit/M	-	Sale to authorized reprocessor
2	Wastes/ Residue containing oil	5.2	300	Kg/D	-	CHWT/SDF
3	Phosphate Sludge	12.5	300	Kg/M	-	CHWT/SDF
4	Distillation Residue	20.3	250	Kg/M	-	CHWT/SDF

5	Chemical sludge from waste water treatment	34.3	150	Kg/D	-	CHWTSDF
6	Waste & Residues of painting	21.1	125	Kg/D	-	CHWTSDF
7	Discarded Containers	33.3	2000	Nos./ Y	-	Sale to authorized reprocessor

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 with overriding effect to the earlier consent granted by the Board to the existing unit vide no. BO/JD (APC)/EIC No. PN-199979-13/O/CC-4668 dtd. 17.05.2014.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	Rs.50,100/-	311935	13/06/2015	State Bank Of India

Copy to:

1. Regional Officer MPC Board, Pune & Sub-Regional Officer, M. P. C. Board 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 provided the Effluent Treatment Plant (ETP).
B) The Applicant shall operate the ETP to treat the trade effluent and domestic 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	5.5-9.0
02	Oil & Grease	10
03	B. O. D.	100
04	C. O. D.	250
05	T. D. S.	2100
06	Chlorides	600
07	Sulphate	1000
08	Suspended Solid	100
09	Phosphate	0.2
10	Total Metal	5.0

- C) Metal Bearing effluent shall be recycled 100% & remaining shall be disposed on land for gardening on 7 acres of land. There shall not be any discharge outside the factory premises.
- 2) A) As per your consent application, you have provided sewage treatment plant (STP) system with the design capacity 60 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.
- (1) Suspended Solids. Not to exceed 50 mg/l.
 - (2) BOD 3 days 27°C. Not to exceed 30 mg/l.
 - (3) COD Not to exceed 100 mg/l.
- C) The treated effluent shall be used on land for gardening/plantation only after confirming to the above standards. In no case the effluent shall find its way outside the factory premises.
- 3) 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	25
2.	Domestic purpose	63
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	22.8
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil

- 4) 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 installed the Air pollution control (APC) system and erected following stack (s) and to observe the following fuel pattern-

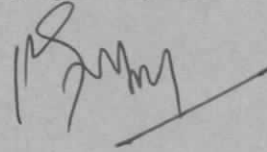
Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Qty & UoM	S %	SO ₂ Kg/D
1.	Annealing Exit Exhaust	Scrubber	9	LPG	12 Kg/hr	----	----
2.	Annealing Burn off	Scrubber	9	LPG	12 Kg/hr	----	----
3.	Steam bluing exhaust	Scrubber	9	LPG	11 Kg/hr	----	----
4.	Producer gas	---	9	Biomass	50 Kg/hr	0.06	6
5.	Producer gas	---	9	Biomass	50 Kg/hr	0.06	6
6.	Producer gas	---	9	Biomass	50 Kg/hr	0.06	6
7.	D G set 1250 KVA	---	30	HSD	175 Lit/hr	1	21.6
8.	D G set 1250 KVA	---	30	HSD	175 Lit/hr	1	21.6
9.	D G set 750 KVA	---				----	----
10.	Electrical furnace 2086	---	10	Electricity	---	----	----
11.	Electrical furnace 2090	---	10	Electricity	---	----	----
12.	Electrical furnace 2085	---	10	Electricity	---	----	----
13.	Electrical furnace 2085	---	10	Electricity	---	----	----
14.	Electrical furnace TCS	---	10	Electricity	---	----	----
15.	Electrical furnace TCS	---	10	Electricity	---	----	----
16.	Electrical furnace TCS	---	10	Electricity	---	----	----
17.	Electrical furnace 2087	---	10	Electricity	---	----	----
18.	Electrical furnace 2087	---	10	Electricity	---	----	----
19.	Induction Heating	---	10	Electricity	---	----	----
20.	Paint Booth Assy Line	---	10	Electricity	---	----	----
21.	Paint Booth varnishing	---	9	Electricity	---	----	----
22.	Powder coating 1	---	9	---	---	----	----
23.	Powder coating 2	---	9	---	---	----	----
24.	Powder coating 3	Dust Collector	9	HSD	85 Lit/hr	1	
25.	Varnishing exhaust (6 nos.)	Dust Collector	9	HSD	45 Lit/hr	1	21.6
26.	Baffco Furnaces (4 nos.)	Dust Collector	9	HSD	45 Lit/hr	1	21.6
27.	Plasma cutting machine	---	9 each	---	---	----	----
28.	Compressor welding	---	10 each	LDO		----	----

	carrier						
29.	Compressor welding Godrej	---	9 each	---	---	----	----
30.	Paint booth	---	9 each	---	---	----	----
31.	Phosphating section	---	9 each	---	---	----	----

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. (Concern section shall mention specific control equipments)
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 ³ .
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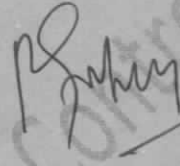
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement or alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves 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

Existing BG of Rs. 5 Lakh imposed as per the Consent granted vide dtd.
17.05.2014 is as under -

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs. 5 Lakh	Already submitted	O & M of pollution control systems.	31.12.2016	30.04.2017.



Schedule-IV

General Conditions:

- 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) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 4) 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 Hazardous 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 obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 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) 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.
- 13) 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.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) 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.

- 16) 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 MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 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 coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 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 dt. 16.11.2009 as amended.

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