

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

RED/LSI

Consent No. BO/JD(APC)/ EIC NO NK-11577-12/R/CC-782 Date: 27/12/2012
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. KSPG Automotive India Pvt. Ltd.,
Plot No. A-3, MIDC Ahmednagar,
Dist: Ahmednagar.

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 - 31.12.2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product	Maximum Quantity
1	Metal Powder	97.00 MT/Month
2	Bearing (Unplated)	13.00 Lacs Nos/ Month
3	Bearing (plated)	12.00 Lacs Nos/ Month
4	Sintered Strip	1.30 Lacs RMT/ Month
5	Aluminium Tin Strip	1.50 Lacs RMT/ Month
6	White Metal Strip	2000.00 RMT / Month
7	Billet Casting	90.00 MT/ Month
8	Centrifugal Castings	4000.00 Nos/ Month
9	Bushes	10.00 Lacs Nos/ Month

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 110.0 m³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 45.0 m³.
- (iii) **Trade Effluent Treatment:** The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1)	pH	Between	5.5 to 9.0
2)	Temperature	Should not exceed	5 c above the ambient
		Temperature of the	receiving body.
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3 days 27°C	Not to exceed	30 mg/l.
4)	COD	Not to exceed	250 mg/l.
5)	Oil & Grease	Not to exceed	10 mg/l.
6)	TDS	Not to exceed	2100 mg/lit.
7)	Chlorides	Not to exceed	600 mg/l.
8)	Sulphates	Not to exceed	1000 mg/l.
9)	Lead	Not to exceed	0.1 mg/l.
10)	Copper	Not to exceed	3.0 mg/l.
11)	Nickel	Not to exceed	3.0 mg/l.

(iv) **Trade Effluent Disposal:** The metal bearing industrial effluent shall be segregated and reused back into the process and remaining treated effluent shall use on land for gardening in the factory premises only. There shall not be any discharge of effluent outside factory premises.

(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 domestic effluent shall be reused/recycle in the process to the maximum extent and remaining shall be used on land for gardening / plantation in factory premises only. There shall not be any discharge of effluent outside factory premises.

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

Sr.	Type of Waste	Qty.	Unit	Treatment and Disposal
1	Scrap AI tin Deform Bearings (MS Base)	5.00	MT/M	By sale to Authorized Scrap Dealer.
2	Scrap AI tin Deform Bearings (MS Base)	5.00	MT/M	
3	Scrap AI tin coated strips & Pices (MS Base)	7.00	MT/M	
4	Scrapped Tooling	0.20	MT/M	
5	Scrap AT pounced strips (MS Base)	3.00	MT/M	
6	Scrap MS Turning Heavy	2.00	MT/M	
7	Scrap AT ABB Bur	3.00	MT/M	
8	Scrap AT pounced strips (MS Base)	3.00	MT/M	
9	Scrap AT tukadi, pieces & slitting	12.00	MT/M	
10	Scrap tin saw Dust	0.10	MT/M	
11	Scrap Electrical Cables	0.05	MT/M	
12	Wooden Scrap	5.00	MT/M	
13	Scrap MS Turning	13.00	MT/M	
14	Scrap Broken Crucibles	0.40	MT/M	
15	Scrap steel strips (Bare steel MS Base)	15.00	MT/M	
16	Light steel scrap	2.00	MT/M	
17	Garbage	10.00	MT/M	
18	Heavy steel (MS with SS lining)	5.00	MT/M	
19	Broken Machinery Scrap	5.00	MT/M	
20	Scrap Linishing burr (Steel)	4.00	MT/M	
21	Scrap AT ABB Bur	3.00	MT/M	
22	Plastic Scrap	0.80	MT/M	
23	Scrap AI tin coated strips & pices (MS Base)	7.00	MT/M	
24	Scrap Linishing Belt	0.20	MT/M	
25	Scrap Tin Dross	0.75	MT/M	
26	Foundry Mitti	0.20	MT/M	

(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	60.0	CMD
Industrial processing generating Bio-Degradable waste water	120.0	CMD
Industrial processing generating Non-Bio-Degradable waste water	---	CMD
Industrial Boiler/Cooling etc.	60.0	CMD
Any other and gardening.	15	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:

- 1) Fume extraction system followed by scrubber provided to Alloy plating & Bush Plating and dust collector/scrubber provided to all sources of emission to control the process emissions shall be operated and maintained properly so as to achieve following emission standards.
- 2) Industry shall provide secondary (fugitive) emissions control system for emission occurs during the process of loading of raw material as well as unloading the product i.e while powering.

B) Conditions for DG Sets: -

1. Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
2. Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall 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.
3. The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting and control measures.
4. Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
5. A proper routine and preventive maintenance procedure for DG Set shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
6. The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
7. The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
8. In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.

C) Standards for Emissions of Air Pollutants:

- | | | | |
|-------|-----------------|---------------|------------------------|
| (i) | SPM/TPM | Not to exceed | 150 mg/Nm ³ |
| (ii) | SO ₂ | Not to exceed | 547 kg/day |
| (iii) | Acid Mist | Not to exceed | 35 mg/Nm ³ |
| (iv) | Lead | Not to exceed | 10 mg/Nm ³ |

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD	0.36 KL/Day
2.	LPG	0.59 MT/day
3.	Furnace Oil	0.40 KL/Day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Fume Cupboard 1 No	7.00
2	Linishing m/c sinter plant 1 No	9.50
3	White Metal Milling m/c	10.50
4	Fume Cupboard 1 No	6.00
5	White Metal black Brushing	11.00
6	White Metal Tin Bath	11.00
7	Billet Casting 1 No	8.50
8	Brush Plating Shop 1 No	13.50
9	White Metal Tin Bath	11.00
10	New Powder Plant 1 No	19.00
11	Manul Plating 1 No	5.25
12	Centrifugal Casting 1 No	9.00
13	Alloy Plating 1 No	10.50
14	Plating SL-90 Gen Set 1250 KVA 1 No	5.50
15	A/T Plant brushing m/c 1 No	10.00
16	D. G. Set (600 KVA) 6 Nos.	15.50
17	Bush annealing Ind.Furnace 1 No	9.50
18	White Metal Linishing m/c	10.50
19	Powder Plant Old Stack 1 No	30.50
20	Billet Casting 1 No	12.75
21	Alloy Plating 2 No	10.50
22	New Powder Plant 1 No	30.00
23	A/T Plant Linishing m/c	9.50
24	Welding m/c 1 No	9.00
25	Grind tool Linishing 1 No	8.50
26	A/T Plant pit oven	9.80
27	A/T Plant A-17*A-123 Linishing m/c	10.50
28	A/T Plant off line brushing	9.00
29	White Metal GM refining Furnace	10.50
30	Alkaline Degreasing	11.00

- (v) 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.
- (vi) 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 industry shall handle hazardous wastes as specified below.

Sr. No.	HW Category & Type of HW	Qty/Month	Unit	Disposal
1.	Scrap Copper, Lead strips, Tukadi, slitting, Deformed bearings, Punch Putta, Filter Powder, Copper Waste & scrap (CL Boring Burr)	80.60	MT	CPCB approved Scrap dealer
2.	Copper dross dust ash	7.22	MT	
3.	Aluminium Dross dust ash	8.0	MT.	Sale to Authorized reprocessor
4.	Foundry ash	0.2	No.	
5.	Scrap Linishing Burr/A-17X Material	6.00	MT	
6.	5.2 Wastes/residue containing oil	400.00	Lit	CHWTSDF, M/s MEPL Pune
7.	33.3 Discarded containers / barrels / liners (Empty MS barrels (205 lit))	15.00	Nos	
8.	33.3 Discarded containers / barrels / liners (Empty plastic barrels)	50.00	Nos	
9.	33.3 Discarded containers / barrels / liners (Empty Plastic Carbuoy)	30.00	Nos	
10.	33.3 Discarded containers / barrels / liners (Used PP Jigs)	0.05	MT	
11.	GM155 Dross	0.51	MT	CPCB approved Scrap dealer
12.	34.4 Chemical sludge arises from waste water treatment	3.00	MT	CHWTSDF, M/s MEPL Pune
13.	15.2 Discarded asbestos (Used asbestos related product)	0.15	MT	
14.	Mercury tubes/Thermometer/CFL	0.10	MT	
15.	12.4 Sludge from bath containing organic solvents (Used TCE)	0.375	MT	
16.	Grinding Wheels Dust	0.50	MT	
17.	5.2 Used greae/oil sogged cotton chindhi, cloth paper	0.2	MT	
18.	Glass Wool /Waste FRP	0.05	MT	
19.	E waste	0.005	MT	

(ii) The authorization is here by granted to operate a facility for collection, storage, transport & disposal of hazardous waste.

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.

(i) 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 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 per 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.
- (i) 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.
- (ii) 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.
- (iii) 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 housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- 9. **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.
- 10. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
- 1. **This is issued pursuant to the decision of Consent Committee meeting of the Board held on 6th December, 2012 & with the approval of the Hon'ble Chairman of the Board.**
- 12. **The applicant shall submit the irrevocable Operational Bank Guarantee of Rs.5,00,000/- drawn in favour of Regional Officer, M.P.C.B., Nashik within 15 days valid for one year period, towards Operation and Maintenance of Pollution control system so as to achieve consented standards.**

13. The capital investment of industry is Rs. 50.98 Crores.

For and On Behalf of the
Maharashtra Pollution Control Board,

(Rajeev Kumar Mital, IAS)
Member Secretary

To,
M/s. KSPG Automotive India Pvt. Ltd.,
Plot No. A-3, MIDC Ahmednagar,
Dist: Ahmednagar.

Copy to:

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

-They are directed to obtain the bank guarantee of Rs.5.0/- Lakhs from the industry as per consent condition no. 12 & 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	300100	002097	18 Oct 2011	HDFC Bank

4) Cess Branch, MPCB.