

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/M.S.I (R44)

Date: 12/01/2022

No:- Format1.0/APAE Section/UAN No.MPCB-
CONSENT-0000124219/CR/2201000496

To,
M/s Sandeep Metalcraft Pvt Ltd
Plot No. D-16,MIDC Industrial Area
Hingna, Dist. Nagpur



Your Service is Our Duty

Sub: 1st consent to operate for expansion amalgamation with existing consent to operate under RED/MSI category.

Ref:

1. Earlier consent granted vide no. BO/JD(APC)/UAN No.59135/RO Nagpur/CC-1488 dtd. 19/03/2019 valid upto 31.10.2021
2. Consent to establish for expansion granted vide No. APAE Section/UAN No.115184/CE/CC-1749 dtd. 28/09/2021.

Your application No.MPCB-CONSENT-0000124219 Dated 23.10.2021

For: grant of 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 under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 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 to renewal is granted for a period up to 30/09/2025**
2. **The capital investment of the project is Rs.18.51 Crs. (As per undertaking submitted by pp (Existing consented CI Rs.15.66 cr. + proposed expansion CI Rs. 0.09 cr. + increased in CI by Rs.2.76 Cr =18.51Cr.)**
3. **Consent is valid for the manufacture of:**

| Sr No | Product | Maximum Quantity | UOM |
|----------|---|------------------|------|
| Products | | | |
| 1 | Machined Components for small arms, assembling parts & other military hardware like fuse primer components (with Anodizing, Spray Painting, Powder Coating, Electroless Nickel Plating, Al Chrom and Passivation) | 10000 | No/D |

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

| Sr No | Description | Permitted (in CMD) | Standards to | Disposal Path |
|-------|----------------|--------------------|-------------------|---------------|
| 1. | Trade effluent | 2.5 | As per Schedule-I | CETP |

| Sr No | Description | Permitted | Standards to | Disposal |
|--------------|--------------------|------------------|---------------------|-----------------------|
| 2. | Domestic effluent | 9 | As per Schedule-I | On land for gardening |

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

| Sr No. | Stack No. | Description of stack / source | Number of Stack | Standards to be achieved |
|---------------|------------------|--------------------------------------|------------------------|---------------------------------|
| 1 | 1 | Passivation section | 1 | As per Schedule -II |
| 2 | 2 | Anodizing Line | 1 | As per Schedule -II |
| 3 | 3 | powder coating booth | 1 | As per Schedule -II |
| 4 | 4 | Spray Painting Booth | 1 | As per Schedule -II |
| 5 | 5 | Pickling & phosphating | 1 | As per Schedule -II |
| 6 | 6 | DG Set 65 KVA | 1 | As per Schedule -II |

6. **Non-Hazardous Wastes:**

| Sr No | Type of Waste | Quantity | UoM | Treatment | Disposal |
|--------------|----------------------|-----------------|------------|------------------|---------------------|
| 1 | Metal Scrap | 100 | Kg/M | Sale | Authorized Recycler |

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

| Sr No | Category No./ Type | Quantity | UoM | Treatment | Disposal |
|--------------|---|-----------------|------------|-------------------------------------|-----------------|
| 1 | 21.1 Process wastes, residues and sludges | 10 | Kg/M | Incineration | CHWTSDF |
| 2 | 35.3 Chemical sludge from waste water treatment | 48 | Kg/M | Secured landfilling after treatment | CHWTSDF |

8. The Board reserves the right to review, amend, suspend, revoke 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. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before 60 days of expiry of consent to operate

Received Consent fee of -

| Sr.No | Amount(Rs.) | Transaction/DR.No. | Date | Transaction Type |
|--------------|--------------------|---------------------------|-------------|-------------------------|
| 1 | 250000.00 | MPCB-DR-8521 | 25/10/2021 | NEFT |
| 2 | 15000.00 | MPCB-DR-8985 | 25/11/2021 | NEFT |

Rs. 50000/- balance with Board will be adjusted during next renewal.

Copy to:

1. Regional Officer, MPCB, Nagpur and Sub-Regional Officer, MPCB, Nagpur II
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 10.00 CMD consisting of Other cod, Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Tertiary (Pressure sand filter, Dual media filter, Activated carbon filter) for the treatment of 2.5 CMD of trade effluent.
- B] The Applicant shall operate the 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 | Limiting concentration not to exceed in mg/l, except for pH |
|--------------|------------------------------|--|
| (1) | pH | 5.5 to 8.5 |
| (2) | Oil & Grease | 10 |
| (3) | BOD (3 days 27°C) | 30 |
| (4) | Total Suspended solids | 100 |
| (5) | Total Dissolved solids | 2100 |
| (6) | Nikel as Ni | 3 |
| (7) | Copper as Cu | 3 |
| (8) | Hexavalent Chromium as CR | 0.1 |
| (9) | Total Chromium as Cr | 2 |
| (10) | Zinc as Zn | 5 |
| (11) | Lead as Pb | 0.1 |
| (12) | Iron as Fe | 3 |
| (13) | Sulphates as SO ₄ | 400 |
| (14) | Phosphates as P | 5 |

- C] The Industry shall ensure connectivity of separate energy meter for pollution control system.
- D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be send to CETP butibori for further treatment. In no case, effluent shall find its way for gardening / outside factory premises.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 20 CMD for the treatment of 9 CMD of sewage.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

| Sr.No | Parameters | Standards (mg/l) | |
|--------------|-------------------|-------------------------|----------|
| 1 | BOD | Not to exceed | 30 mg/l |
| 2 | COD | Not to exceed | 100 mg/l |
| 3 | Suspended solid | Not to exceed | 50 mg/l |

C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise. In no case, sewage shall find its way for gardening / outside factory premises.

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 an 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) Act, 1974 and as amended, by installing water meters 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 | 0.00 |
| 2. | Domestic purpose | 10.00 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | 0.00 |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | 0.70 |
| 5. | Gardening | 0 |

6. 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 provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

| Stack No. | Source | APC System provided/proposed | Stack Height(in mtr) | Type of Fuel | Sulphur Content(in %) | Pollutant | Standard |
|-----------|------------------------|------------------------------|----------------------|---------------------|-----------------------|-----------------|-----------------------|
| 1 | Passivation section | Scrubber | 10.00 | - | - | Acid Mist | 35 Mg/Nm ³ |
| 2 | Anodizing Line | Scrubber | 10.00 | 0 0 -- NA-- | - | Acid Mist | 35 Mg/Nm ³ |
| 3 | Powder coating booth | Cyclone | 3.60 | - | - | Acid Mist | 35 Mg/Nm ³ |
| 4 | Spray Painting Booth | Scrubber | 5.50 | - | - | Acid Mist | 35 Mg/Nm ³ |
| 5 | Pickling & phosphating | Scrubber | 11.00 | - | - | Acid Mist | 35 Mg/Nm ³ |
| 6 | DG Set 65 KVA | Scrubber | 2.50 | Diesel 20 Ltr/Hr | 1 | SO ₂ | 6.0 Kg/Day |

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.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. 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 (C2E/C2O/C2R) | Amt of BG Imposed | Submission Period | Purpose of BG | Compliance Period | Validity Date |
|---------|-----------------------|-------------------|-------------------|--|-------------------|---------------|
| 1 | C to O | Rs. 5 Lakhs | 15 days | Towards O & M of pollution control system and compliance of consent conditions | Regular activity | 28/02/2026 |

BG Forfeiture History

| Srno. | Consent (C2E/C2O/C2R) | Amount of BG imposed | Submission Period | Purpose of BG | Amount of BG Forfeiture | Reason of BG Forfeiture |
|-------|-----------------------|----------------------|-------------------|---------------|-------------------------|-------------------------|
| NA | | | | | | |

BG Return details

| Srno. | Consent (C2E/C2O/C2R) | BG imposed | Purpose of BG | Amount of BG Returned |
|-------|-----------------------|------------|---------------|-----------------------|
| NA | | | | |

SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. 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 MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. 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.
6. 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.
7. 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.
8. 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).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.

11. 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 an extension or addition thereto.
12. 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.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. 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.
16. 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.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, 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.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. 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).
20. 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.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. 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.

24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. 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.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. 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.
28. 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, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. 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.
30. The firm shall submit to this office, the 30th day of September every year, the Environment 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.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. 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).
33. 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.

This certificate is digitally & electronically signed.
