

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/EIC No. PN-18678-13 /CAC-CELL/CC/CAC-472
Date- 16/01/2014

To,
Tata Motors Limited,
Pimpri, Pune - 411 018

Subject: Renewal of Consent under RED category.

Ref : 1. Earlier Consent granted vide no. Consent No. BO/JD(APC)/EIC No. PN
15187-12/O/CC-727, dtd 27/12/2012 valid up to 30/9/2013
2. Minutes of CAC meeting held on 06.01.2014

Your application: CR1308000063

Dated: 02/08/2013

For: Renewal of Consent.

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 from 01/10/2013 to 30/09/2014
2. The actual capital investment of the industry is Rs. 6552.98 Crs. (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 MT/A |
|---------|--|--------------------------|
| 1. | Commercial and passenger vehicles | 3,00,000 Nos./Year |
| 2. | Power generation (with DG Sets; 3 x 11.6 MW) | 34.8 MW |

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 | 6047 | As per Schedule -I | On land for gardening |
| 2. | Domestic effluent | 3810 | 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. | Boiler | 53 | As per Schedule -II |
| 2. | Process vents | 21 | As per Schedule -II |
| 3. | DG set | 16 | As per Schedule -II |

6. Conditions about Non Hazardous Wastes:

| Sr. no. | Type Of Waste | Quantity & UoM | Treatment | Disposal |
|---------|--|----------------|--------------------------------------|--|
| 1 | Canteen waste | 3,476.39 MT | Partly through in-house Biogas plant | (i) Bio-gas plant within premises/ (ii) Through PCMC disposal system |
| 2 | Scrap packaging material including paper, corrugated cardboard, plastic, thermocole, wood and mixed trash / garbage from office and shops | 25,680.55 MT | NIL | By sale |
| 3 | Scrap auto glass and electrical parts – windshield glass, rear view mirrors, head/tail lights, indicators, bulbs, switches, horns, window winders, fan motors, wipers, speedometer units, speakers, etc. | 20,000 MT | NIL | By sale |
| 4 | Scrap CI, MS, Aluminium chips, burr, forgings, etc., | 25,000 MT | NIL | By sale |
| 5 | Sheet metal scrap | 1,50,000 MT | NIL | By sale |
| 6 | Scrap empty containers (jerry cans, barrels, cartridges, bottles, tins, drums, carbuoys) | 30,000 MT | NIL | By sale |
| 7 | Scrap rubber, plastic, tyres etc | 1,000 MT | NIL | By sale |
| 8 | Electrical scrap – radiators, motors, starters, wiring harness, armatures, fused luminaries, capacitors, switches, chokes, regulators, flexible conduits, conduit pipes, electrical panels, etc. | 1,000 MT | NIL | By sale |
| 9 | Scrap forgings, casting, fasteners, structural material, grinding wheels, air filters etc. Scrap Asbestos Free Brake shoes/liners | 25,000 MT | NIL | By sale |
| 10 | Scrap glass-wool used for insulation (Generated at the time of dismantling obsolete A/C Plants, Thermopacs, piping, false ceilings etc.) | 250 MT | NIL | CHWTSDF |
| 11 | Scrap roof/door liners (Generated due to material rejection and dismantling of prototype vehicles etc.) | 100 MT | NIL | CHWTSDF |
| 12 | Digested bio-manure from biogas plant | 204 MT | NIL | Used in-house as fertilizer for gardening |

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 | All types of scrap/waste oil / fuel 'LOTS' disposed through scrap auction / tender | 5.1 | 1210 | MT/Y | Nil | Sale to CPCB / MPCB "Registered Re-cyclers" / CHWTSDF |
| 2. | Wastes/residues containing oil | Oily scum / sludge from ETP | 5.2 | 737 | MT/Y | Nil | CHWTSDF |
| 3. | Wastes/residues containing oil | Grinding Sludge | 5.2 | 2000 | MT/Y | Nil | CHWTSDF |
| 4. | Wastes/residues containing oil | Scrap Fuel Filters (Warranty claim failed parts + servicing of own vehicles) | 5.2 | 10 | MT/Y | Nil | CHWTSDF |
| 5. | Lead slag/Lead bearing residues | Scrap lead tyre balancing weights | 9.1 | 15 | MT/Y | Nil | Sale to CPCB / MPCB "Registered Re-cyclers" |
| 6. | Acid residues | Tank bottom sludge from Frame & Cowl / Cab Pre-treatment process | 12.1 | 25 | MT/Y | Nil | Club with Category 12.5 for disposal to CHWTSDF |
| | Alkali residues | | 12.2 | | | | |
| 7. | Phosphate sludge | Phosphating sludge from Pre-Treatment line at Paint Shops | 12.5 | 100 | MT/Y | Nil | CHWTSDF |
| 8. | Asbestos-containing residues | Insulating material/ Scrapped vehicle parts/ Personal Protective Equipment containing asbestos | 15.1 | 20 | MT/Y | Nil | CHWTSDF |
| | Discarded asbestos | | 15.2 | | | | |
| 9. | Contaminated aromatic, aliphatic or naphthenic solvents not fit for originally intended use | All kinds of contaminated / waste / spent - flushing thinner, solvents, IPA, acetone etc. | 20.1 | 500 | KL/Y | Nil | By sale to MPCB authorised Spent Solvent Re-processors / CHWTSDF |
| | Spent solvents | | 20.2 | | | | |
| 10. | Wastes and residues | Paint sludge, obsolete paint, hardened paint residues, paint soaked garbage etc. | 21.1 | 2000 | MT/Y | Nil | CHWTSDF/ Through CPCB/MoEF "Registered Re-cyclers" for conversion into industrial paint/primer |
| 11. | Wastes/residues (not | Uncured/scrap/ | 23.1 | 100 | MT/Y | Nil | CHWTSDF |

| Sr. No | Type Of Waste | Category | Quantity | UOM | Treatment | Disposal | |
|--------|---|--|----------|------|-----------|----------|---|
| | made with vegetable or animal materials) | compound, sealants, glues, adhesives, putty, resins, hardeners, plasticizers, etc. | | | | | |
| | | Pattern waste from R & D Activity | | | | | |
| | | Scrap FRP | | | | | |
| 12. | Flue gas cleaning residue | Soot from chimney / duct cleaning | 34.1 | 100 | MT/Y | Nil | CHWTSDF |
| 13. | Toxic metal-containing residue from used - ion exchange material in water purification | Spent resins (from DM Plant) | 34.2 | 50 | MT/Y | Nil | CHWTSDF |
| 14. | Chemical sludge from waste water treatment | Sludge from ETP - from Industrial and Domestic stream | 34.3 | 1500 | MT/Y | Nil | CHWTSDF |
| 15. | Spent catalyst | Spent nickel / alumina catalyst from Heat Treatment Shop | 35.2 | 5 | MT/Y | Nil | CHWTSDF |
| 16. | As per Schedule-2 chemical characterization done by NEERI | Bag-filter dust from Shot-blasting process | | 800 | MT/Y | Nil | CHWTSDF |
| 17. | 'Hazardous Waste' as per Schedule-4: List of Non-Ferrous Metal Wastes applicable for registration of Re-cyclers | Copper based scrap consisting of brass / bronze / copper cuttings, punching, bushing, turning & boring scrap etc. (LOT No. HB-18P) | | 300 | MT/Y | Nil | CHWTSDF |
| 18. | | Scrapped brass, copper, aluminium, turning & boring mixed with MS chips etc. & cotton waste and rags beyond segregation (LOT No. HB-20) | | 300 | | Nil | CHWTSDF |
| 19. | | Used / scrapped electrical PVC coated copper cable, telephone cables, jelly filled telephone cables, copper druid etc., (LOT No. HB-956) | | 500 | MT/Y | Nil | Sale to CPCB / MPCB "Registered Re-cyclers" |
| 20. | | Scrap copper based radiators/heat exchangers items with / without bracket along aluminium/MS | | 600 | MT/Y | Nil | Sale to CPCB / MPCB "Registered Re-cyclers" |

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| Sr. No. | Type Of Waste | Category | Quantity | UOM | Treatment | Disposal |
|---------|--|---|----------|------|-----------|--|
| | attached to it (LOT No. HB-103) | | | | | |
| 21. | Used/scrapped copper electrodes, electrical motors & allied parts armatures, starters, pumps, transformer coils etc. (LOT No. HB117, HB118, HB117/1) | — | 300 | MT/Y | Nil | Sale to CPCB / MPCB "Registered Re-cyclers" |
| 22. | Scrapped/Used Lead Acid Batteries with/without MS box, caps etc. (LOT No. HB-03) | — | 400 | MT/Y | Nil | Sale to CPCB / MPCB "Registered Re-cyclers" |
| 23. | 'Hazardous Waste' as per Schedule-I of the "e-waste (Management Handling) Rules 2011" notified on 12/05/11 | e-waste (waste electrical and electronic equipment) | — | 500 | MT/Y | Nil Sale to CPCB / MPCB "Registered Re-cyclers" |

8. Industry to submit clarification for cooling water losses to this within 15 days from the date of issue of this consent.
9. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the
Maharashtra Pollution Control Board

(Rajeev Kumar Mital, IAS)
Member Secretary

Received Consent fee of -

| Sr. No. | Amount(Rs.) | DD. No. | Date | Drawn On |
|---------|-------------|---------|-----------|-----------|
| 1 | 1,41,67,820 | 903831 | 29/7/2013 | HDFC Bank |

Copy to:

1. Regional Officer -Pune
He is directed to return the existing BG's of the industry.
2. Sub-Regional Officer - Pimpri-Chinchwad, MPCB, They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

(Signature)

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 12,274 CMD. (After primary treatment, Effluent is combined with partly treated sewage for secondary biological treatment).

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 | Standards prescribed by Board (If any) |
|--------|---------------------------------|--|
| | I. Compulsory Parameters | 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 | Chromium (Hexavalent) | 0.1 |
| 06 | Cyanide | 0.2 |
| 07 | Suspended Solids | 100 |
| 08 | COD | 250 |
| 09 | Chloride | 600 |
| 10 | Sulphate | 1000 |
| 11 | Zinc | 5 |
| 12 | Iron | 3 |
| 13 | Nickel | 3 |
| 14 | Copper | 3 |
| 15 | Total Chromium | 2 |

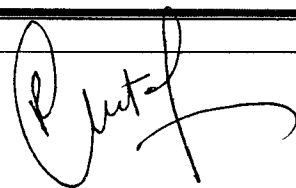
C) The treated effluent 6047 CMD shall be disposed in Colony and for Avenue Tree Plantation and excess shall be disposed on land of 61.28 acres for gardening gardening/irrigation.

2) A.] As per your consent application, you have provided the sewage treatment system (After primary treatment, sewage is combined with partly treated industrial effluent for secondary biological treatment).

D] 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.

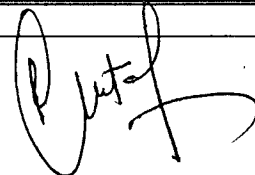


- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

| Sr. no. | Purpose for water consumed | Water consumption quantity (CMD) |
|---------|--|----------------------------------|
| 1. | Industrial Cooling, spraying in mine pits or boiler feed | 1360 |
| 2. | Domestic purpose | 4500 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | 7700 |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | 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.

Maharashtra Pollution Control Board

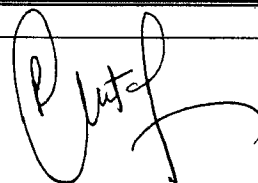


Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) 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. | ERC - EDC (South side), Test Bed Exhaust System | NA | 20 | NA | --- | --- | --- |
| 2. | ERC - EDC (North side), Test Bed Exhaust System | NA | 20 | NA | --- | --- | --- |
| 3. | PT Tunnel Duct- I (J11/J12) | NA | 14 | NA | --- | --- | --- |
| 4. | PT Tunnel Duct - II (J11/J12) | NA | 14 | NA | --- | --- | --- |
| 5. | Surfacer Booth - FOZ Duct #1(J11/J12) | NA | 23 | NA | --- | --- | --- |
| 6. | Surfacer Booth - Tack Rag Duct #1(J11/J12) | NA | 23 | NA | --- | --- | --- |
| 7. | Surfacer Booth Duct#1 (J11/J12) | Water Screen | 23 | NA | --- | --- | --- |
| 8. | Surfacer Booth Duct #2 (J11/J12) | Water Screen | 23 | NA | --- | --- | --- |
| 9. | Top Coat Booth - Tack Rag Duct #1(J11/J12) | NA | 23 | NA | --- | --- | --- |
| 10. | Top Coat Booth - Feather Duster Duct #1(J11/J12) | NA | 23 | NA | --- | --- | --- |
| 11. | Top Coat Booth Duct #1(J11/J12) | Water Screen | 23 | NA | --- | --- | --- |
| 12. | Top Coat Booth Duct #2(J11/J12) | Water Screen | 23 | NA | --- | --- | --- |
| 13. | Top Coat Booth Duct #3(J11/J12) | Water Screen | 23 | NA | --- | --- | --- |
| 14. | Top Coat Booth Duct #4(J11/J12) | Water Screen | 23 | NA | --- | --- | --- |
| 15. | Top Coat Booth - FOZ Duct #1(J11/J12) | NA | 23 | NA | --- | --- | --- |
| 16. | Polishing and Buffing Zone Exhaust Duct (J11/J12) | NA | 23 | NA | --- | --- | --- |
| 17. | Wax Booth Duct#1(J11/J12) | NA | 23 | NA | --- | --- | --- |
| 18. | Wax Booth Duct#2 (J11/J12) | NA | 23 | NA | --- | --- | --- |
| 19. | Off-line Touch up Exhaust Duct- (provision for 6 units) (J11/J12) | NA | 13 | NA | --- | --- | --- |
| 20. | 275 IDI Diesel engine test bed exhaust ducts (12 Nos.) H7 | NA | 16.5 | NA | --- | --- | --- |
| 21. | Diesel engine test bed exhaust ducts (12 Nos.) H8 | NA | 16.5 | NA | --- | --- | --- |
| 22. | E3,18-19(E), Thermopac (Thermic Fluid Heater), 1E3, TP06 (South) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 23. | E3,18-19(E), Thermopac (Thermic Fluid | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |



| Sr. No. | Stack Attached To | APC System | Height in Mtrs. | Type of Fuel | Quantity & UoM | S% | SO ₂ Kg/Day |
|---------|--|------------|-----------------|---------------|----------------|-----|------------------------|
| | Heater),2E3,TP06 (Middle) | | | | | | |
| 24. | E3,19-20(E),Thermopac (Thermic Fluid Heater),3E3,TP06 (North) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 25. | E6,18-19(E),Steam Generator (Sharp Vapor-400Kg Boiler) - 3 units | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 26. | E6,18-19(W), Thermopac (Thermic Fluid Heater),7E6,TP06 (East) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 27. | E6,17-18(W), Thermopac (Thermic Fluid Heater), 1E6,TP06 (East) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 28. | E6,17-18(W), Thermopac (Thermic Fluid Heater),2E6,TP06 (Middle) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 29. | E6,17-18(W), Thermopac (Thermic Fluid Heater),3E6,TP06 (West) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 30. | E6,18-19(W), Thermopac (Thermic Fluid Heater), 8E6,TP06 (Middle) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 31. | E6,18-19(W), Thermopac (Thermic Fluid Heater), 9E6,TP06 (West) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 32. | E6,19-20(W), Thermopac (Thermic Fluid Heater), 4E6,TP06 (West) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 33. | E6,19-20(W), Thermopac (Thermic Fluid Heater), 5E6,TP06 (Middle) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 34. | E6,19-20(W), Thermopac (Thermic Fluid Heater), 6E6,TP06 (East) | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 35. | E2,27-28(W), LCV Frame Paint Baking Oven Burner#1 | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 36. | E5,18-19 (W), Steam Generator | NA | 24.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 37. | DD1 Paint Shop (South end), Thermopacs (2Nos. Thermic Fluid Heater), 1DD1 & 2DD1 TP06 | NA | 29.5 | LDO | 72 kg/hr | 1.8 | 62.21 |
| 38. | Main Canteen (5 Nos.) Vaporax Fully Automatic Packaged Boiler (#443,#992,#444) & Revomax Automatic Packaged Steam Generator(#927,#415) | NA | 22.15 | LDO/ Gas Fuel | 72 kg/hr | 1.8 | 62.21 |
| 39. | J2, A2-A3 (South end), Aquatherm, Burner#1 (Thermax-Fully Automatic Hot Water Boiler) | NA | 35.75 | LDO | 300 kg/hr | 1.8 | 259.2 |
| 40. | J2, A2-A3 (South end), Aquatherm, Burner#3 | NA | 35.75 | LDO | 300 kg/hr | 1.8 | 259.2 |

| Sr. No. | Stack Attached To | APC System | Height in Mtrs. | Type of Fuel | Quantity & UoM | S% | SO ₂ Kg/Day |
|---------|---|-----------------|-----------------|--------------|----------------|-----|------------------------|
| | (Thermax-Fully Automatic Hot Water Boiler) | | | | | | |
| 41. | J1, B2-C2(E), CED-Paint Baking Oven Burner#1,#2, | NA | 36.5 | Gas Fuel | 27 kg/hr | --- | |
| 42. | J1, A2-B2(E), CED-Paint Baking Oven Burner#4 | NA | 33.5 | Gas Fuel | 9 kg/hr | --- | |
| 43. | J1, A2-B2(E), CED-Paint Baking Oven Burner#5 | NA | 32 | Gas Fuel | 9 kg/hr | --- | |
| 44. | J1, E1-F1(E), Pre Treatment - Water Dry-off Oven Burner | NA | 35.2 | Gas Fuel | 9 kg/hr | --- | |
| 45. | J4, J4-K4(W), Service Block, Thermax-Fully Automatic Hot Water Boiler Burner#3 | NA | 30 | Gas Fuel | 300 kg/hr | --- | |
| 46. | J4, J4-K4(W), Service Block, Thermax-Fully Automatic Hot Water Boiler Burner#1 | NA | 30 | Gas Fuel | 300 kg/hr | --- | |
| 47. | J4, J5-K5(E), Service Block, Revomax Automatic Packaged Steam Generator Burner#3 | NA | 24 | Gas Fuel | 300 kg/hr | --- | |
| 48. | J4, J5-K5(E), Service Block, Revomax Automatic Packaged Steam Generator Burner#1 | NA | 24 | Gas Fuel | 300 kg/hr | --- | |
| 49. | Sealer Baking Oven Burner#1&3, J2, B2-C2 (W) | NA | 20 | Gas Fuel | 9 kg/hr | --- | |
| 50. | Sealer Baking Oven Burner#2, J2, B2-C2 (W) | NA | 20 | Gas Fuel | 9 kg/hr | --- | |
| 51. | Finish Paint Baking Oven Burner#1, J2, B3-C3 (E) | VOC Incinerator | 20 | Gas Fuel | 9 kg/hr | --- | |
| 52. | Finish Paint Baking Oven Burner#2, J2, B3-C3 (E) | VOC Incinerator | 20 | Gas Fuel | 9 kg/hr | --- | |
| 53. | Finish Paint Baking Oven Burner#3, J2, B3-C3 (E) | VOC Incinerator | 20 | Gas Fuel | 9 kg/hr | --- | |
| 54. | Finish Paint Baking Oven Burner#4, J2, A3-B3 (E) | VOC Incinerator | 20 | Gas Fuel | 9 kg/hr | --- | |
| 55. | Surfacer Paint Baking Oven Burner#1&2, J2, B3-C3 (E) | VOC Incinerator | 20 | Gas Fuel | 18 kg/hr | --- | |
| 56. | Surfacer Paint Baking Oven Burner#3, J2, B3-C3 (E) | VOC Incinerator | 20 | Gas Fuel | 9 kg/hr | --- | |
| 57. | Surfacer Paint Baking Oven Burner#4, J2, A3-B3 (E) | VOC Incinerator | 20 | Gas Fuel | 9 kg/hr | --- | |
| 58. | Kirloskar - Finish/Surfacer Paint Baking Oven Burner #1, E7, 24-25 (W) | NA | 18 | LDO | 27 kg/hr | 1.8 | 23.33 |
| 59. | Kirloskar - Finish/Surfacer Paint | NA | 18 | LDO | 27 kg/hr | 1.8 | 23.33 |

Patel

| Sr. No. | Stack Attached To | APC System | Height in Mtrs. | Type of Fuel | Quantity & UoM | S% | SO ₂ Kg/Day |
|---------|--|-----------------|-----------------|--------------|----------------|------|------------------------|
| | Baking Oven Burner #2, E7, 25-26 (W) | | | | | | |
| 60. | AED-Paint Baking Oven Burner#1, E6, 15-16 (W) | NA | 18 | LDO | 27 kg/hr | 1.8 | 23.33 |
| 61. | AED-Paint Baking Oven Burner#2, E6, 16-17(W) | NA | 18 | LDO | 27 kg/hr | 1.8 | 23.33 |
| 62. | Aquatherm PT-CED Area, Paint Shop (J11/J12) | NA | 30 | Gas Fuel | 20 SCM/hr | --- | |
| 63. | Under body sealant oven exhaust duct#1 (J11/J12) | NA | 16.4 | Gas Fuel | 4.3 SCM/hr | --- | |
| 64. | CED oven flue gas#1 | VOC Incinerator | 15.4 | Gas Fuel | 4.3 SCM/hr | --- | |
| 65. | CED oven flue gas#2 | VOC Incinerator | 15.4 | Gas Fuel | 3.7 SCM/hr | --- | |
| 66. | CED oven flue gas#3 | VOC Incinerator | 15.4 | Gas Fuel | 7.6 SCM/hr | --- | |
| 67. | CED oven flue gas#4 | VOC Incinerator | 15.4 | Gas Fuel | 14 SCM/hr | --- | |
| 68. | Surfacer oven flue gas - I | VOC Incinerator | 23 | Gas Fuel | 4.3 SCM/hr | --- | |
| 69. | Surfacer oven flue gas - II | VOC Incinerator | 23 | Gas Fuel | 2.1 SCM/hr | --- | |
| 70. | Top coat oven flue gas - I | VOC Incinerator | 23 | Gas Fuel | 4.3 SCM/hr | --- | |
| 71. | Top coat oven flue gas - II | VOC Incinerator | 23 | Gas Fuel | 2.1 SCM/hr | --- | |
| 72. | Under body sealant oven exhaust duct#2(J11/J12) | NA | 16.4 | Gas Fuel | 2.1 SCM/hr | --- | |
| 73. | 3 Nos. Non-IBR Boilers (for pre-heating FO for use in 30MW DG Set) | NA | 30 | HFO | 47.5 kg/hr | 4 | 91.2 |
| 74. | Paint Stripping Unit - Behind Fire Station | Cyclone Filter | 30 | Gas Fuel | 10 SCM/hr | --- | |
| 75. | DG set No. 1 (1 No. left & 1 No. right), 3125 KVA | NA | 20 | LDO | 430 kg/hr | 1.8 | 371.5 2 |
| 76. | DG set No. 2 (1 No. left & 1 No. right), 3125 KVA | NA | 20 | LDO | 430 kg/hr | 1.8 | 371.5 2 |
| 77. | DG set No. 3, 2780 KVA | NA | 20 | LDO | 430 kg/hr | 1.8 | 371.5 2 |
| 78. | DG set No. 4, 2780 KVA | NA | 20 | LDO | 430 kg/hr | 1.8 | 371.5 2 |
| 79. | DG set No. 5 (1 No. left & 1 No. right), 3125 KVA | NA | 20 | LDO | 500 kg/hr | 1.8 | 432 |
| 80. | DG set No. 6 (1 No. left & 1 No. right), 3125 KVA | NA | 20 | LDO | 500 kg/hr | 1.8 | 432 |
| 81. | DG set No. 7 (1 No. left & 1 No. right), 3125 KVA | NA | 20 | LDO | 500 kg/hr | 1.8 | 432 |
| 82. | DG set No. 8 (1 No. left & 1 No. right), 3125 KVA | NA | 20 | LDO | 500 kg/hr | 1.8 | 432 |
| 83. | DG set no 1 (North) standby power supply for CED system - J11/12 Paint Shop, 320 KVA | NA | 8 | HSD | 5 kg/hr | 0.05 | 1.2 |
| 84. | DG set no 2 (South) standby power supply for CED system - J11/12 Paint Shop, 320 KVA | NA | 8 | HSD | 5 kg/hr | 0.05 | 1.2 |
| 85. | DG set: Standby Power | NA | 6 | HSD | 5 kg/hr | 0.05 | 1.2 |

| Sr. No. | Stack Attached To | APC System | Height in Mtrs. | Type of Fuel | Quantity & UoM | S% | SO ₂ Kg/Day |
|---------|---|------------|-----------------|--------------|----------------|------|------------------------|
| | supply for Fogtec® (fire-fighting) system at J11/12 Paint Shop, 320 KVA | | | | | | |
| 86. | DG set ERC, 125 KVA | NA | 12 | HSD | 2.5 kg/hr | 0.05 | 0.6 |
| 87. | MAN DG Set No. 1 (South), 11.6 MW | NA | 65.6 | HFO | 2470 kg/hr | 4 | 4742.4 |
| 88. | MAN DG Set No. 2 (Middle), 11.6 MW | NA | 65.6 | HFO | 2470 kg/hr | 4 | 4742.4 |
| 89. | MAN DG Set No. 3 (North), 11.6 MW | NA | 65.6 | HFO | 2470 kg/hr | 4 | 4742.4 |
| 90. | Bio-gas fired DG Set, 50 KVA | NA | 4 | Bio-gas | | --- | |

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 |
|--------------------|---------------|------------------------|

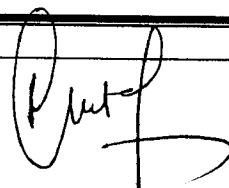
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to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

(Handwritten Signature)

Schedule-III
Details of Bank Guarantees

| Sr. No. | Consent (C to E/O/R) | Amt of BG Imposed | Submissi on Period | Purpose of BG | Compliance Period | Validity Date |
|---------|----------------------|-------------------|--------------------|-------------------------------------|-------------------|---------------|
| 1 | C to R | Rs. 5 lakhs | 15 Days | For O&M of Pollution control system | 30.09.2014 | 31.01.2015 |

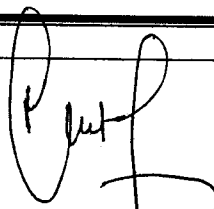
Maharashtra Pollution Control Board



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) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker if applicable.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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 Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 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.**
- 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) 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
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) 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.
- 25) 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).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) 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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